



Ultra Video Gallery 4

User Guide

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Overview

Ultra Video Gallery (UVG) is a **DotNetNuke** (DNN) application designed to work in DotNetNuke websites ONLY. This documentation assumes that you have prior experience with the DotNetNuke environment. For further information about DotNetNuke, please refer to DNN information found at www.dotnetnuke.com.

Why need Ultra Video Gallery

Video clip is everywhere in our world, you can take it by your home digital camera / computer camera / mobile phone, you can get it from your DVD or VCD disk, you can record your screen by screen recorder softwares to make learning courses, you can find favorite videos on Youtube or other video community websites, but it may not be an easy job to share videos in various formats on your DotNetNuke website.

A common experience is to upload videos to Youtube and embed it back to your website, this may be a possible solution if you have only 1 or 2 videos, but it won't work if you have numerous videos because you are not able to offer a comprehensive video list for your users, and your video contents are delivered with youtube logo instead of your own logo.

Is there a better solution? Yes, Ultra Video Gallery is the best choice to host videos in DotNetNuke since 2007.

What can Ultra Video Gallery do?

Allow site users to add new videos: in some case you add videos by your self, but in community websites you allow your site users to add videos, UVG works in both situations, the configuration module can be used to set which roles are allowed to add new items.

Encode uploaded videos for internet usage: similar to Youtube, UVG allows you to upload videos in any popular formats, below you can find an incomplete list, once a video is uploaded, UVG encode it to Flash Video(.flv) format or MP4 format with H264 encoding, both formats are specially designed for internet usage with a good balance of video quality and bandwidth cost.

Play videos in flash video player: after video encoding, all videos can be played in our integrated flash video player, the video player is a group of modules which allows you to watch the video, rate it, comment it, share it... etc.

Below is an incomplete list of supported formats

	<p>Microsoft WMV 1/2/3 .wmv, .wm, .asf,</p>		<p>Mpeg-2 encoded DVD video .mpg, .vob</p>
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Real Media

.rm, .rmvb,



Mpeg 1/2

.mpg, .mpeg, .mpe



Apple Quicktime

.mov



Mobile phone video format

.3gp, .3g2



DivX/XVID/Motion Jpeg

.avi



Apple/Sony mp4

.mp4, .m4v

UVG video player shares color scheme and layout with [Ultra Media Gallery](#) player. So it is ideal to use both products on your website together and present similar user experience.

According to Adobe's report, Flash Player is available on 99.1% computers on internet, and UVG prompts your visitors to install it when unavailable, so you can expect to safely deliver your video content to all visitors.

Ultra Video Gallery contains many sub modules & applications, below is a summary:

1. **UVG_ActiveUsers**

This module displays a list of most active users in past specific days.

2. **UVG_AddVideo**

The main module of UVG, you can add new videos from your local computer, an internet URL, a piece of html code, or even from your webcam.

3. **UVG_CategoryList**

This module allows you to manage and list video categories, parent categories will be ignored in this module.

4. **UVG_CategoryListNested**

Similar to above one, but a category tree will be displayed if there are parent/child categories.

5. **UVG_Commercial**

This module allows you to manage 4 kinds of commercials, please note this module is available in both standard edition and professional edition, but only in professional edition your commercials is played by UVG.

6. **UVG_CompactPlayer**

This module allows you to play a fixed or dynamic video in a compact player interface.

7. **UVG_Configurations**

This module allows you to do global configurations.

8. **UVG_FreeSeriesList**

Similar to UVG_FreeVideoList, this module displays an incomplete series list with various sort options

9. **UVG_FreeVideoList**

This module renders an incomplete video list, you can use it to create latest videos module, most popular videos module... and more. You also can use it together with profile modules.

10. UVG_MediaCenter

This brand new module in UVG 4 allows you to list, watch, rate and comment videos in a single module.

11. UVG_MySeries

This module allows current logged in user to manage his own video series.

12. UVG_MyVideos

This module allows current logged in user to manage his own videos.

13. UVG_PendingVideos

If you enable video approval, new videos appears in this module, video managers can approve or reject pending items.

14. UVG_SearchInput

This module allows you to search videos with a given keyword.

15. UVG_TagList

This module displays tag cloud, you can click a tag to see all videos with it.

16. UVG_VideoList

The major video listing module in UVG, you can define up to 5 criterias so your visitors can easily browse it.

17. UVG_VideoPlayer

This is not a real module, in DNN terminology it is a "Module Definition", 5 sub modules are included in this definition because they must be used together.

a) UVG_Player

All videos are played in this module, color schemes and layouts can be adjusted in module settings, you should not be strange with this if you used Ultra Media Gallery before.

b) UVG_VideoInformation

Displays basic information for current video, the content to be displayed in this module is fully template-driven.

c) UVG_VideoComments

This module allows your visitors to post comments for current video and see comments posted by other peoples.

d) UVG_VideoRating

This module allows your visitors to rate current video and use email notification to share it. The link to post current video to 7 popular social networking websites also can be found.

e) UVG_RelatedVideos

This module renders a list of videos which have common tags as current playing one, and other videos from this author.

18. UVG_WatchHistory

This module renders a list of latest watched videos.

19. UVG Converter 4

The client-side desktop application, this tool can encode videos on your local computer and upload encoded files to UVG on remote website.

What's new in UVG 4

UVG supports H264 encoding since version 3, the video quality of H264 encoded videos is far more clearer than traditional flv videos, but in version 4 we upgraded our encoding engine to lift the video quality to a new level.



Above screenshot shows the quality difference between UVG 3 and UVG 4 under default configurations, compare it in details and you will see the video generated by UVG 4 is much clearer and smoother, it completely removes unpleasant color blocks in prior version. Beside that, the bitrate of the video in UVG 4 is only about 60% percent of UVG 3, which means it will be more fast for visitors to download and saves your bandwidth and storage space cost.

With the enhanced video encoding engine, it's now possible to deliver true HD 720p or even 1080p videos on DotNetNuke.

Below is a list of most important enhancements in UVG 4.

1. **Better quality, smaller file size**
as stated above.
2. **iPhone / iPad support**
UVG 4 support H264 “baseline” profile, this kind of videos works perfectly on iPhone and iPad.
3. **Media Center**
The new UVG_MediaCenter module offers complete different look & feel to deliver video contents, it allows you to browse, watch, rate and comment videos in a single DotNetNuke module.
4. **Flexible encoding strategy**
UVG 4 allows you encode a low quality and a high quality version for each video uploaded. You can configure it to use flv + h264 encoding, or h264 + h264 encoding, or flv encoding only... remember H264 encoding is supported in UVG Professional Edition only.
5. **Sub Categories**
You can create unlimited levels of sub categories in UVG 4.
6. **Easily add videos from Youtube**
Youtube offers different formats of embed codes to embed a video to elsewhere, they may have different size, color and behavior, but UVG can convert these embed codes to have a unique appearance. This also works when you add a youtube video just with “from internet URL” option.
7. **HTML 5 <video> tag support**
<video> tag in HTML 5 standard allows you to deliver video contents without any 3rd party plugin like Flash, UVG 4 allows you to use this tag instead of flash for specific browsers.
8. **Live video record**
If you have a Flash Media Interactive Server or Flash Media Development server(FMS), UVG allows you to record videos with your webcam and publish it via RTMP protocol.

For more information on the latest enhancements to UVG, please see the [Release Notes](#) on bizmodules.net.

System requirements

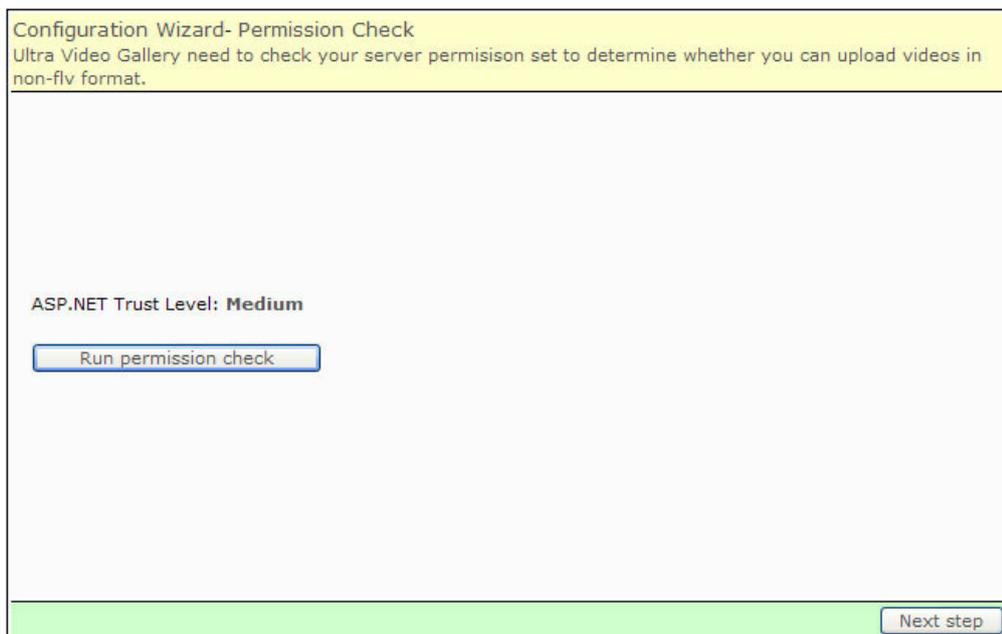
Ultra Video Gallery is designed to work in **ALL DNN 4.5.x and higher** websites, including but not restricted to 4.5.x, 4.6.x, 4.7.x, 4.8.x, 4.9.x., 5.0.x and 5.5.x.

Ultra Video Gallery even works on websites run in "medium trust" on shared servers but there are some restrictions.

Luanching External Process

To encode videos and capture video screenshot, UVG need support from a series of codecs, these codecs are included in our "binary pack", you must install it together with UVG, if you don't install it UVG is not able to encode any videos to flv or mp4 format, for further information about the binary pack please refer to "**Installation guide**" chapter.

To interact with the binary pack, Network Service account must have EXECUTE permission on /Desktopmodules/UltraVideoGallery/Binaries folder, if this permission is denied by your server configuration the online encoding will not work, to check this permission please simply add UVG_Configurations module to a page, then you can see UVG Configuration Wizard, below is a screenshot of the 1st step of this wizard:



Click **Run permission check** button to check it, if you don't pass it UVG only allows you to add flv videos, mp3 audio and flash movie(.swf), this doesn't mean you are not able to use UVG, our client side application - UVG Converter is specially designed to work in this case, you can use it to encode videos on your local computer.

You are always able to add videos from an internet URL or embed code, because it doesn't depend on the external process permission, you can leave the binary pack alone if you only use internet videos.

ASP.NET Trust Level

Trust level is another restriction, the most popular trust levels are **Full Trust** and **Medium Trust**.

If your website run in Medium trust, you are likely not able to pass permission check mentioned

above, besides, the file upload progress bar doesn't work, the good news is it is not critical, UVG displays a message saying "Please wait while we upload your file" instead of the graphical progress bar.

If your website run in Full trust, a graphical progress bar is displayed while uploading.

The current trust level can be seen in configuration wizard, this wizard can help you to configure UVG to ensure all features works properly so you must finish it before adding any videos.

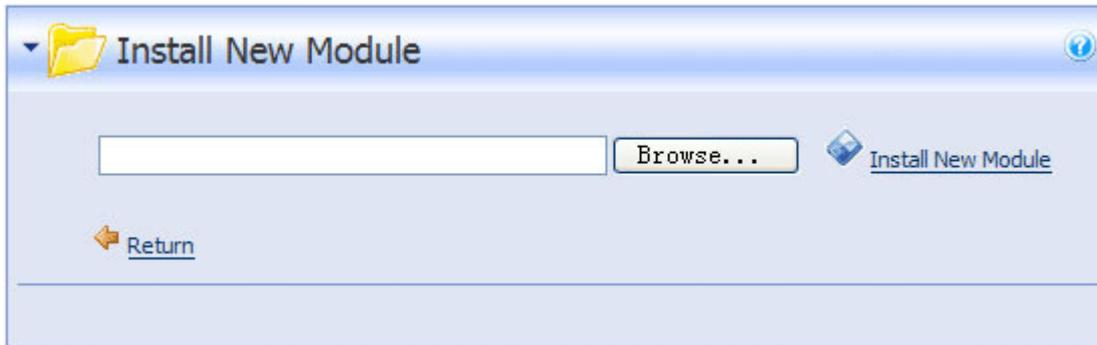
Fully UVG-Supported Hosting

In most case you don't need to choose a special hosting company to run Ultra Video Gallery, the existence of UVG Converter ensures every body can use this product even you don't pass the permission check, however, if you do want to use UVG it self to do online video encoding, you may consider to move your website to a fully UVG-supported hosting company, click [here](#) to see our recommendations.

Installation guide

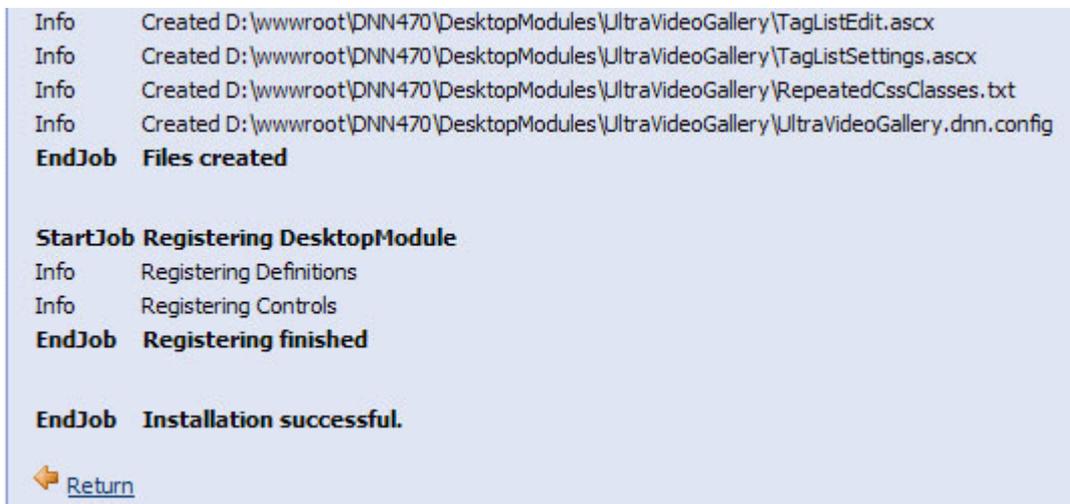
The installation file of Ultra Video Gallery contains 2 parts, standard module **PA** (Private Assembly) and **binary pack file**.

You can install module PA as normal DNN modules, just login with **Host** account, navigate to the Host menu item, and click on the Module Definition and then click on the **Install New Module** from the drop down menu to continue installation and the following screen appears:



Click on the Browse button to open the dialog window for locating the PA, locate the module PA you downloaded and press Install New Module.

The installation begins and in short period of time the screen informing you successful completion is displayed:



In normal installation process, you shouldn't see any red messages in this screen, there must be some problems if you do get any red messages, in this case please first ensure the module PA you downloaded is not corrupted, for testing purpose you can try to open it in winzip; another possible reason is windows Network_Service account doesn't have write permission on your DNN folder, you can try to install another module to see whether it report same error, if so please contact your server administrator to correct permission misconfiguration. If you still have trouble with it, please send the error message to us for trouble shooting.

UVG 4 is designed to be compatible with DNN 5, but the installation process in DNN 5 is a little different, in a default DNN 5 website, you may get this warning when install UVG:

The package contains files with invalid File Extensions.

Ignore File Restrictions?

This is because a file with asmx extension is in the PA which is not allowed by a default DNN website, to fix this problem, simple add asmx to Host Settings -> Advanced Settings -> Other Settings -> File Upload Extensions box., or just check **Ignore File Restrictions** before continue.

If you want to configure UVG to do online video encoding which allows you to upload videos in non-flv format, you should follow instruction below to install the binary pack, however, if you just add internet videos or use UVG Converter to add new videos, you can skip the rest part of this chapter.

The binary back is a zip file which contains necessary codecs and utilities, you can download it [here](#), to install it is very simple, just unpack it to get a folder named "Binaries", then please copy all files in this folder to /DesktopModules/UltraVideoGallery/Binaries folder on your website, if your website is located on a remote server, you may need to do it by FTP.

Comparing with prior versions, UVG 4 binary pack contains some extra files, so you should install it again when upgrade from UVG 2 or UVG 3, you can make a full upload of the Binaries folder, or compare their difference and only upload changed items.

Upgrade guide

When upgrade from prior versions, you should carefully read this chapter before continue.

Binary pack

UVG 4 binary pack contains some new files, you should install the binary pack again when upgrade from UVG 2.x or 3.x, for further information please refer to previous chapter.

License

Since Ultra Video Gallery 4.x, the version number of your license is required to be same as the version number of the PA installed, so you will be required to activate UVG once again after upgrading from any prior version to UVG 4.

Basically, you need to follow these steps to upgrade from UVG 1/2/3 to UVG 4:

1. Obtain the PA of UVG 4. You can download it in Snowcovered "My Downloads" page, you may need to contact us by email if you did not purchase it on Snowcovered.
2. Find out your serial number which was used to activate UVG. If you cannot remember it you can visit below URL to retrieve it:
<http://www.bizmodules.net/DesktopModules/BizModulesIONConnector/Resend.aspx?sku=UVG&email=Your Email Address>
3. Upgrade your license to UVG 4. To perform the upgrade you need to use our [license upgrade program](#).
4. Install UVG 4 to overwrite prior version. Please refer to the Installation Guide chapter for details.
5. Reactivate UVG with your original serial number. You can find an activation link when add a new video.

Uninstallation guide

Please be aware that once you uninstall this product, all data you entered are lost and there isn't any opportunity to recover them, so please make appropriate backups before uninstallation if necessary.

To uninstall this product, please first navigate to UVG_Configurations module, at the bottom of this module you can see **Preuninstall** button, click this button to roll back changes UVG made to your web.config during configuration wizard, then you can safely uninstall this product.

In order to uninstall it, Navigate to the Host menu item, and click on the Module Definitions, scroll to the bottom of the module list, you can see 10+ definitions with the prefix of "UVG_". just click  button before each of them and then click  button.

Sometimes you are not intend to uninstall this product permanently, what you need is just a fresh installation of this product, but, it may take quite a long time to uninstall all sub modules. In this case, it is suggested to uninstall **UVG_AddVideo** only, because all database objects are linked with this module, so reinstallation of UVG_AddVideo equals reinstallation of UVG.

In typical DNN uninstallation process, there isn't a chance to delete related files in File System, so the uploaded files still keep in server disk after uninstallation, you can leave them alone, or delete them manually, to delete them, please simply delete the root folder of this product in each sub portal(if exist): \$Portal Root/UltraVideoGallery, you can delete them by FTP or File Manager under Admin menu.

Obtaining technical support

As a licensed user of a Biz Modules product, we offer you long-term technical support, for the life of the product, should you require technical support at any time.

Priority support is provided in the Biz Modules technical support forum. In the forum you can browse topics submitted by other users, or post a new topic if you find that your issue has not yet been discussed in the forum.

You can reach the support forum at: <http://www.bizmodules.net/Forums/tabid/55/Default.aspx>

For brief questions about Ultra Video Gallery and for all other matters regarding Biz Modules, email: service@bizmodules.net, if you failed to receive a reply within 48 hours, please try to contact our hotmail account: rongers@hotmail.com.

Getting started

Creating UVG Tabs

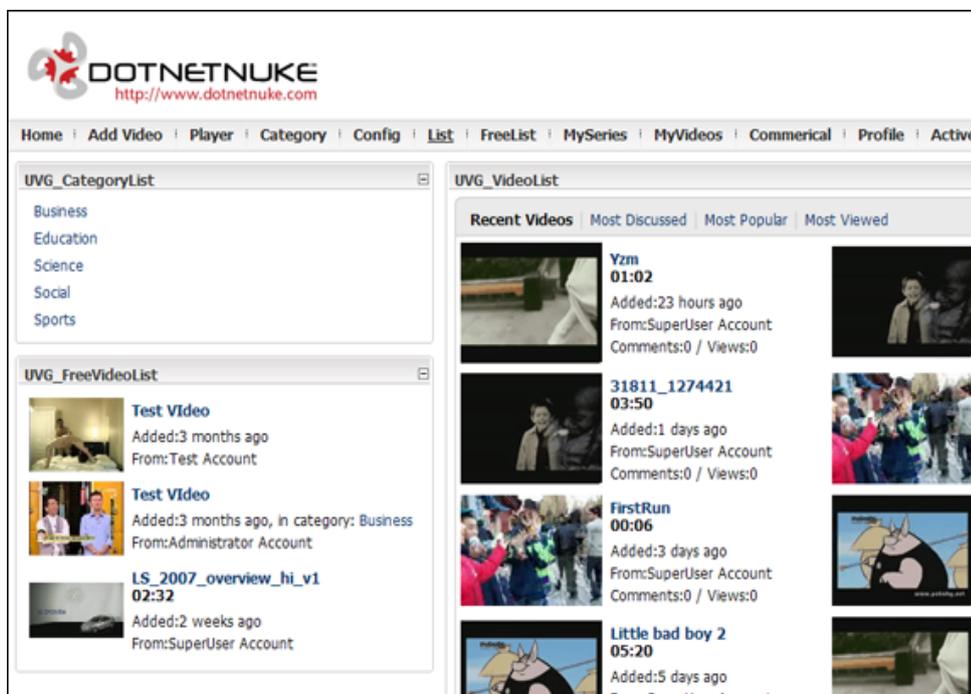
There are 2 ways to organize tabs to host UVG modules, in this chapter we discuss how to setup UVG tabs in traditional way, but if you use the new UVG_MediaCenter module in UVG 4, you no longer need the **Video List** and **Video Player** tab, for further information please refer to “**Media Center**” chapter.

Ultra Video Gallery includes multiple sub modules, after installation you should create some tabs to organize them, typically, we recommend you to build your website with at least these tabs:

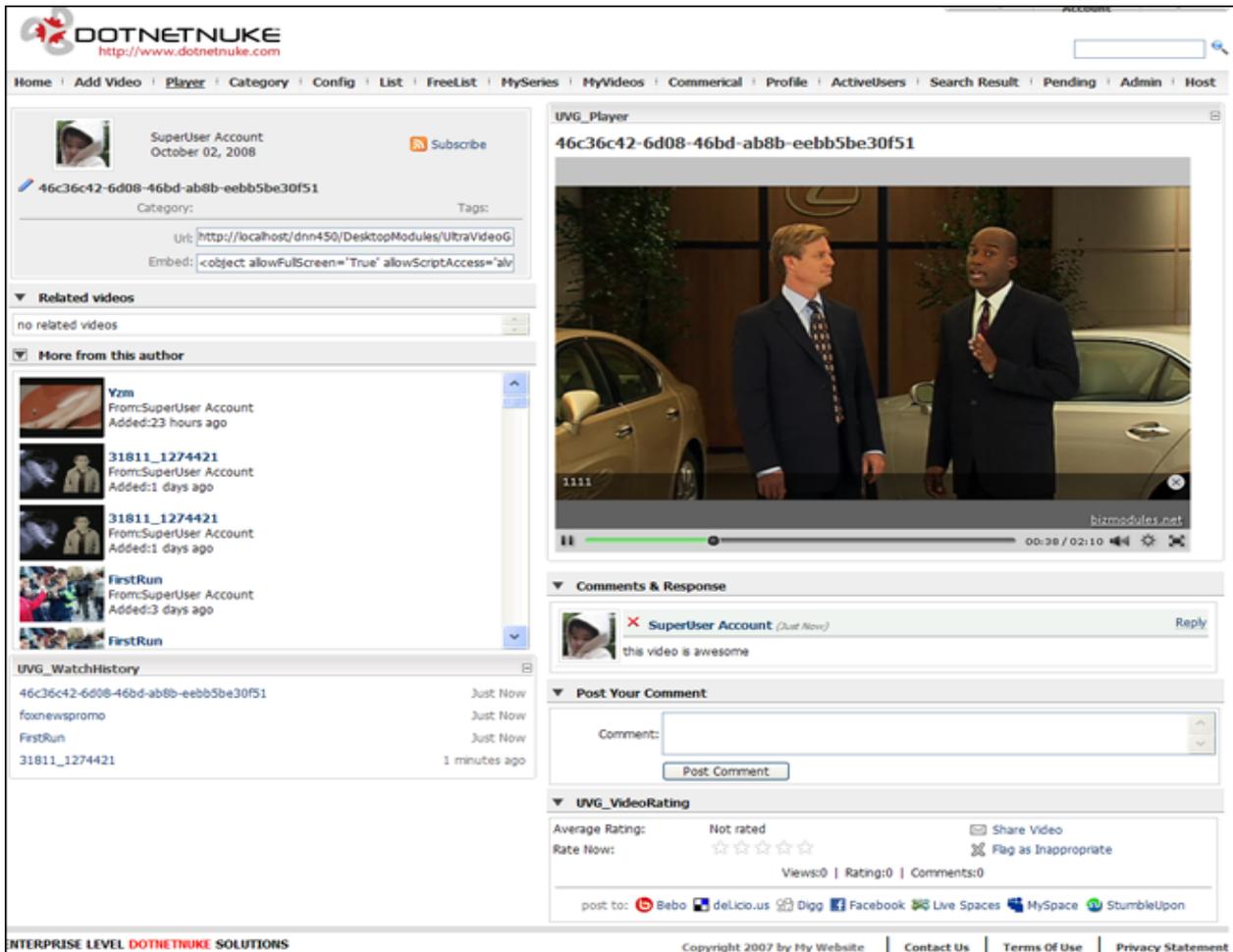
Configurations: at first, you must create a configurations tab, and place UVG_Configurations module on this tab to do global configuration, this tab should be open to admin users only.

Add Videos: secondly, you should have an “Add Videos” tab, and place UVG_AddVideo module on it so users can add new videos through it, this tab should be open to public users if you allow all site users to add videos.

Video List: thirdly, you must have a video list tab, UVG_VideoList module must be placed on this tab to provide a major entry to browse all videos, you also can place UVG_CategoryList and UVG_TagList module on this tab so users can filter videos be categories and tags. Below is a typical video list page:



Video Player: At last, you should create a video player tab to host UVG_VideoPlayer module, so your users can click a video in video list tab and watch it in this tab. Please note the UVG_VideoPlayer definition contains 5 sub modules: UVG_Player, UVG_VideoComments, UVG_VideoRating, UVG_VideoInformation and UVG_RelatedVideos, once you add it to a tab, all of them are added, but you may need to adjust their panes and sort orders. Below is an example:



In this example we have UVG_VideoInformation, UVG_RelatedVideos and UVG_WatchHistory in left pane, UVG_Player, UVG_VideoComments and UVG_VideoRating in center pane.

Above 4 tabs are indispensable for any DNN website, the only exception is to use UVG_MediaCenter module instead, when use this module the Video List and Video Player tab are combined.

The tabs described below may also be useful depends on your business circumstance.

My Videos: you can create such a tab to host UVG_MyVideos module, which allows video authors to edit their own works, it is particularly useful if your videos are collected from multiple users.

My Series: this tab can be combined with My Videos tab, in this tab you should place a UVG_MySeries module where video authors can manage their own video serieses.

Video Approval: if you enable video moderation, you should create such a tab to host UVG_PendingVideos, here you can review video submissions and approve/reject them.

It's suggested that all UVG tabs are placed under a root-level parent tab on your website, The parent tab can also be used as the video list tab, the benefit is that users can see video listings by simply click on a root-level menu item, however, you also can make the parent tab as an empty stub, and place your video list tab under it.

Please note the video player tab must be hidden, users should pick a video in video listings to enter the video player tab, if the user enter video player tab directly, Ultra Video Gallery doesn't know what to play, in this case the default video is loaded, if you want to replace or remove the default video, just simply change or delete /Desktopmodules/UltraVideoGallery/FirstRun.flv.

Hello world!

Now let's create a sample Hello world video to demonstrate how to use this product in the simplest manner.

We assume you already read and done necessary works described in previous chapter, now please navigate to your Add Videos tab, the add video wizard appears:

We choose "This video doesn't belong to a video series" and press continue:

Please ensure "Upload a video from local computer" is checked, now please download the demo video from this url: <http://www.bizmodules.net/Portals/0/Downloads/HelloWorld.zip>, save it to your local disk.

If you unzip it you get 3 files:

- HelloWorld.flv
- HelloWorld.jpg
- HelloWorld.txt

The original format of this video is AVI, however, considering some users may not pass the permission check in configuration wizard, we convert it to flv by UVG Converter to ensure it works on all websites.

Now please locate the file downloaded in Video field, then press upload button, the upload progress bar appears informing you the file is being uploaded, if you test it on local website you may not see it because the file get uploaded almost instantly.

Video Source Add video wizard (step 2 of 3)

Upload a video from my local computer
 Add a video in flv format from an internet url
 Add a video or other medias from a piece of html code

E:\Working\HelloWorld.zip

Video: **Please wait while we upload your file**
Transferred 59.26 KB of 85.19 KB in total, 17.83 KB/s.

time elapsed.:00:01 remaining:00:00

Series: This video doesn't belong to a video series

Supported formats: 3g2, 3gp, asf, avi, flv, m4v, mov, mp3, mp4, mpe, mpeg, mpg, rm, rmvb, swf, wm, wmv, vob

A few seconds later, you should be navigated to the last step of the add video wizard, here you can enter your video title, description and tags before watch it:

Basic Information Add video wizard (step 3 of 3)

Screenshot:  Raw file: **HelloWorld.flv**
Time:

Title:

Description:

Video Category: <None Specified>

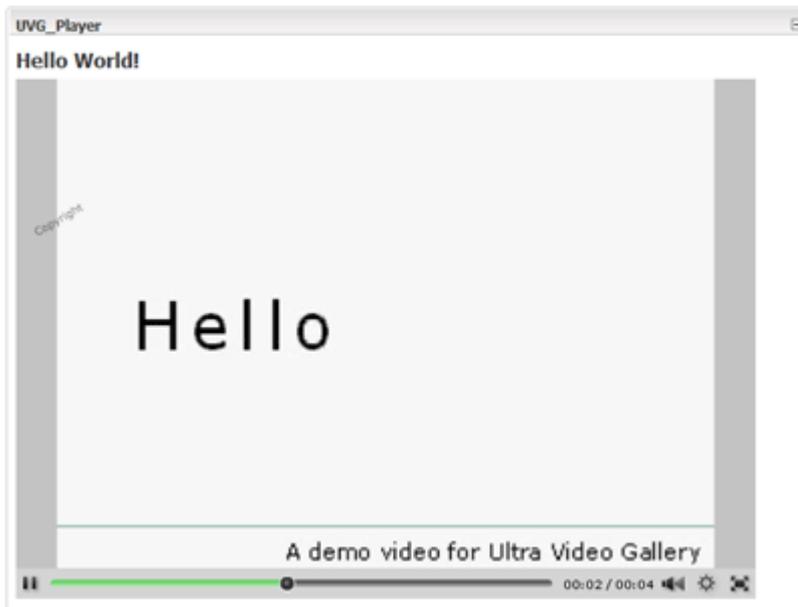
Tags: Tags are keywords which best describe your video, *separated by space*

BroadCast Options

Video approved Featured video
*leave it blank to use default options.

Or

Click Save & Watch button to finally see the Hello World video in UVG player:

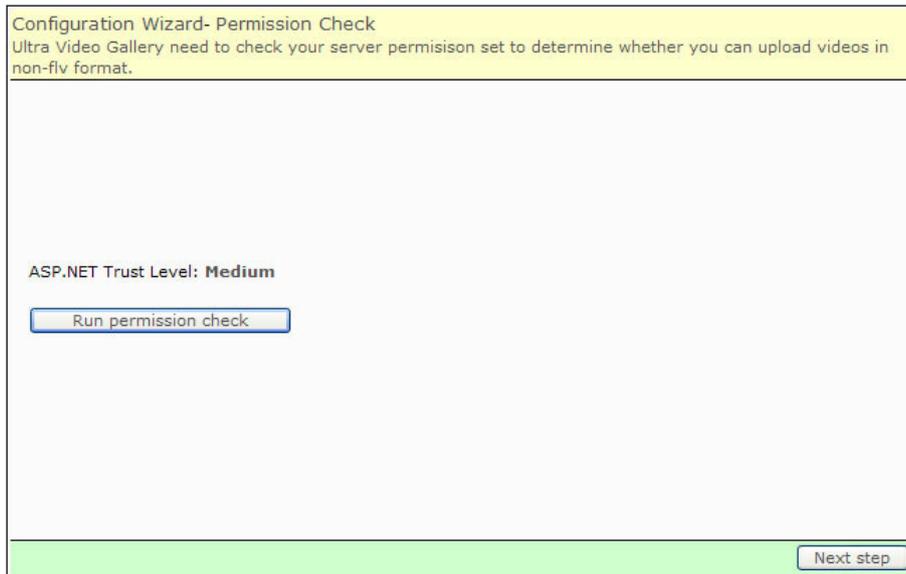


Very simple, isn't it? Ultra Video Gallery is designed to be powerful yet easy to use.

Configuration guide

The UVG_Configurations module is used to configure this product, when you use it for the 1st time, it launches Configuration Wizard, after finish it you see the normal configuration screen.

Below is the 1st step of the configuration wizard:



In this step, you must run permission check to see whether your server is qualified for online video encoding, if this permisison is not available UVG only allows you to add flv video, mp3 audio, flash movie(.swf), or add video from internet, however, you can use UVG Converter instead to add videos in non-flv format.

Click Run permission check button and you get this message if you pass it:

Successfully passed permission check, now you can upload videos in any format.

If the binary pack is not installed or it can't be reached, you get this message:

The binary pack is not installed, or Network_Service account doesn't have necessary permissions to access it, you are not able to upload any non-flv videos now.

Otherwise you get this message:

Permission check failed, you are not able to upload any non-flv videos now.

Generally this means Network_Service account doesn't have Execute permission on /DekstopModules/UltraVideoGallery/Binaries folder.

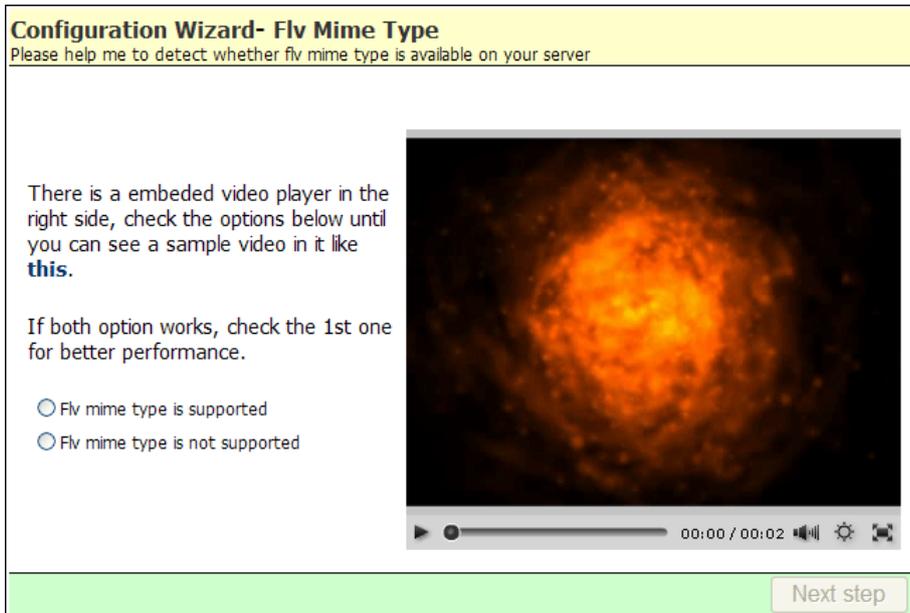
For further information please refer to "Installation guide" chapter in the User Guide.

If you have full access to your server and can alter server permissions, you can follow this instruction to make appropriate changes before continue.

Now let's go to next step, in this step Ultra Video Gallery require you to make necessary changes to your web.config:



Click Update button to proceed, a backup of your web.config is created in site root, in next step UVG tells you the correct procedures to uninstall this product, be sure you know what to do before continue:



In this step please help Ultra Video Gallery to detect whether FLV mime type is enabled on your web server, please note this step only handles “flv” mime type, if you use H264 encoding please make sure your IIS support “mp4” mime type, under default IIS 7 settings mp4 mime type is not supported.

Click a radio box in left and go to next step:

Configuration Wizard- Allowed Formats

Please select which video formats are allowed to be uploaded

Please note some video formats have high qualigh and large file size, for example: avi, vob, mpg and wmv, frequently upload of these files will reduce your server performance.

It is suggested to allow all video formats except these high quality formats.

UVG also support some extra video formats, like VCD video, if you want to include it please add corresponding file extension(.dat for VCD) to Host Settings -> Advanced Settings -> Other Settings -> File Upload Extensions box.

3g2

3gp

asf

avi

flv

m4v

mov

mp3

mp4

mpe

mpeg

mpg

rm

rmvb

swf

wm

wmv

vob

In this screen you can select allowed video formats, please note only flv,swf and mp3 are available if you didn't pass the permission check in 1st step. click Next button to enter the last step:

Configuration Wizard- Upload Limitation

Make appropriate settings to prevent large uploads

Max File Size KB, e.g 100 MB = 102400 KB

This option dictates the size limatation of the videos upload to your web server, please note this limitation affects to Ultra Video Gallery only.

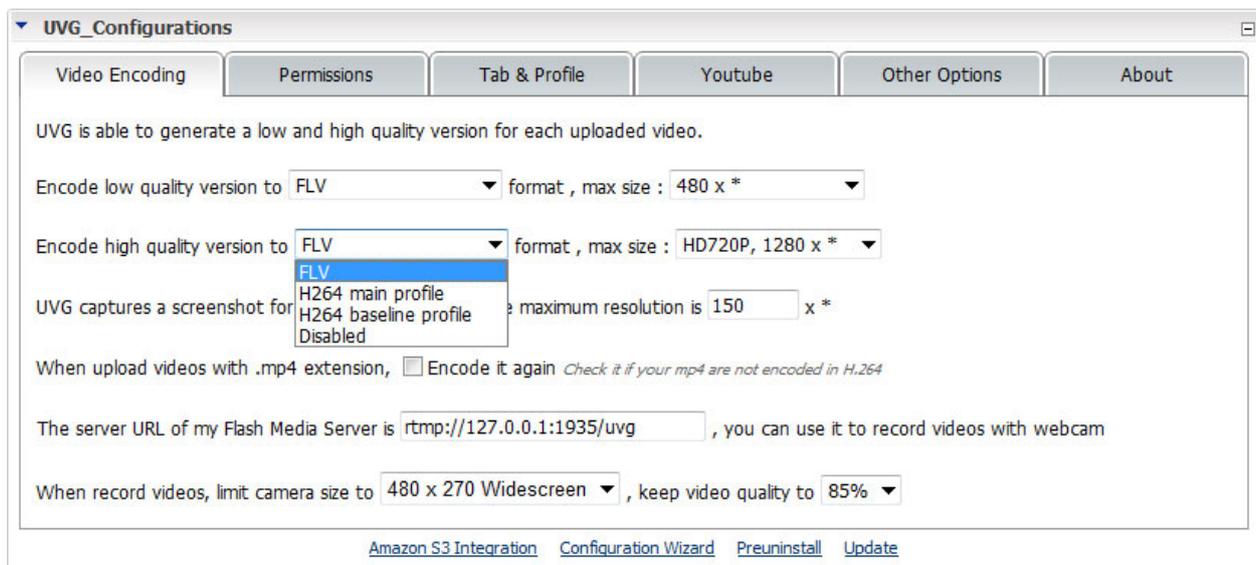
After applying this change, you should alter `configuration -> system.web -> neatUpload -> maxNormalRequestLength` if you want to change the traditional `maxRequestLength` option on `httpRuntime` section. you will get a "Total size > xxxxxxx bytes" error when upload files without UVG if this option is not properly set, in this case please set `maxNormalRequestLength` to a value greater than xxxxxxx.

The video upload progress bar in UVG is provided by a modified version of `NeatUpload`, which is covered by the Lesser General Public License. click [here](#) to download our modified source code for this assembly.

Here you can alter the file size limitation when upload new videos, you can leave it blank to disable this limitation, if your website run under Medium Trust this option is disabled.

Regarding to file size limitation, a new configuration node is required in IIS 7 to allow file uploads larger than 30MB, if you use IIS 7 please read [this post](#).

Now press the Finish button to exit the wizard and the normal configurations screen appears:



Video Encoding

The 1st section is video encoding strategy, UVG is able to encode a low and high quality version for each video uploaded, if your UVG is professional edition, you can choose all 3 types of encoding, otherwise you can choose FLV encoding only.

H264 encoding creates videos with much better quality and smaller file size, so we suggest you to use H264 for both low and high quality version, if you use UVG professional edition.

If you use UVG standard edition, you can use FLV for both low and high quality version, but use different video size, for example, use 320 x * for low quality version and use 640 x * for high quality version.

In above screenshot you can see both “H264 baseline profile” and “H264 main profile” are available for selection, refer to [Wikipedia](#) if you don’t know what is it.

Basically, the baseline profile works on smart phones like iPhone or iPad, so if you would like to deliver videos to iPhone/iPad users, we suggest you to use H264 baseline profile for low quality version while use main profile for high quality version. Please remember the max video size for baseline profile is 640 * 480 while the max size of main profile is unlimited, you can choose 1280 x * to deliver HD 720p videos or manually alter ConfigurationsNormal.ascx to support 1080p – if your server has enough bandwidth.

Our video encoding engine works as long as you pass the permission check, however, it may take a lot of time and CPU resource, so we suggest you to use UVG Converter instead if you have bulk videos to add.

When a video is uploaded, UVG check its original resolution and aspect ratio, if the uploaded video is smaller than the max width, its original resolution is kept, if it’s bigger, UVG resize it and keep its original aspect ratio, so you can upload videos in any aspect ratio, 4:3, 16:9, or even 2.35:1, whatever.

This tab also contains settings for live video recording, for further information please refer to **Live video recording** chapter.

Permissions

The permission tab looks like this:

Video Encoding	Permissions	Tab & Profile	Youtube	Other Options	About
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Users who can add videos

Administrators Registered Users Subscribers

Users who can add videos(with from internet url and embed code option only)

Administrators Registered Users Subscribers

Users who can manage all videos

Administrators Registered Users Subscribers

Enable view permission On categories and individual videos

In UVG_VideoList module, remove videos without permission to watch

Redirect to when users try to watch a video without permission

[Amazon S3 Integration](#)
[Configuration Wizard](#)
[Preuninstall](#)
[Update](#)

You can choose which roles are allowed to add videos in this portal, these users also can edit their own videos through UVG_MyVideos module.

You also can dictate which users are able to manage all videos, a user with this permission is able to edit/delete any videos within this portal and Approve/Reject pending items if moderation is enabled.

View permission allows you to set the permission to watch a video, the permission can either be set on category level or video level.

In default, a user is able to see videos which he donot have view permission in UVG_VideoList module, but he will receive notifications about insufficient permission when try to watch it. You can optionally check the option to remove videos without permission in UVG_VideoList. But please note this brings performance decrease since UVG have to analyze each video.

Please note videos without permission will always be visible in UVG_FreeVideoList module.

Tab Locations & Profile Provider

UVG is a site wide application, some modules need to know where other modules are so they can interact, in "Tab & Profile" tab you can see these options:

Video Encoding	Permissions	Tab & Profile	Youtube	Other Options	About
----------------	-------------	---------------	---------	---------------	-------

My player tab is
UVG_VideoPlayer module must be placed on this tab, UVG redirects to this tab when users pick a video in any kind of video list, however, you can set a dedicated player tab for each category

My listing tab is
UVG_VideoList module must be placed on this tab, UVG redirects to this tab when users click a category in UVG_CategoryList module.

My search tab is
UVG_VideoList module must be placed on this tab, UVG redirects to this tab when users search for something.

Get user avatar from

Active Forums Active Social Smart-Thinker Profile DNN Forum

When choose "DNN Forum" in above list, enter the Module ID of the forum instance:

[Amazon S3 Integration](#)
[Configuration Wizard](#)
[Preuninstall](#)
[Update](#)

The **Player Tab** dictates the tab to be directed when click a video in video listing modules, which must host a UVG_Player module.

The **Listing Tab** dictates the tab to be directed when click a category in UVG_CategoryList, which must include a UVG_VideoList module.

The **Search Results Tab** dictates the tab to be directed when user submit a search in UVG_SearchInput, or click a Tag in UVG_TagList. This tab must include a UVG_VideoList module.

In UVG_ActiveUsers, UVG_VideoComments and UVG_MediaCenter module, an avatar of a user can be displayed together with the user name, the avatar can be retrieved from your profile modules, for further discussion please refer to **Rating and comment** chapter.

Add videos

Basically, UVG allows you to add videos in 5 ways:

- Upload video from your local disk
- Add video from an internet url
- Add video from embed code
- Record a live video from your webcam
- Upload video by UVG Converter.

In this chapter we only discuss first 3 ways.

Upload video from your local disk

As you can see in Hello World chapter, it is quite simple to upload a video from your local disk, the video you uploaded can be in any format if you passed permission check in configuration wizard, otherwise you are limited to add flv video and mp3 audio only like below screenshot:

You can upload a screenshot together with your video, if you do pass the permission check, you are not required to upload a video screenshot because UVG capture it while encode the video.

Add video from an internet url

Some users intend to store their videos on a dedicated server or another internet storage provider, UVG allows you to do this by adding videos from an internet URL, check “Add a video in flv format form an internet URL” in the 2nd step of add video wizard and you will see this screen:

Video Source
Add video wizard (step 2 of 3)

Upload a video from my local computer
 Add a video in flv format from an internet url
 Add a video or other medias from a piece of html code

Video url:

Screenshot url:

Series: This video doesn't belong to a video series

Supported formats: flv, mp3

You must provide the URL of your flv/mp4 video and screenshot before continue.

UVG records your last choice of video source when add new videos, so if your last video is an internet video the “add from internet” option is automatically checked when you enter UVG_AddVideo module again.

Add video from embed code

Most video websites offers "Embed Code" which allows you to embed a video on their website to elsewhere on internet, embed code is a piece of html code which allows you to watch a video with the vendor's own video player.

As an example, when watch a video on DailyMotion.com, the embed code can be got in below textbox:



Copy it to your clipboard, go to UVG_AddVideo module and check "Add a video or other medias from a piece of html code", you get a screen similar to this:

Video Source
Add video wizard (step 2 of 3)

Upload a video from my local computer
 Add a video in flv format from an internet url
 Add a video or other medias from a piece of html code

Embed code:

Screenshot url:

Series: This video doesn't belong to a video series

Supported formats: All

Paste the embed code to the corresponding textbox, optionally provide the screenshot of this video

and press Continue , after saving this video you can watch it in UVG with DailyMotion video player.

You may have noticed that the embed textbox is a free input, UVG doesn't check it at all, so actually you are not limited to embed videos only, you can embed an article, a picture, a flash game, a flash gallery built in Ultra Media Gallery... whatever.

Accepted video types

In default, UVG_AddVideo module accepts all types of videos, but you can disable the ability to add videos from local disk or internet URL if you wish.

Click **Module Settings** in the module menu of first step of UVG_AddVideo module, below screen appears:

Module Settings	
Videos Accepted	<input checked="" type="checkbox"/> Upload a video from my local computer
	<input checked="" type="checkbox"/> Record a video with my webcam and microphone
	<input checked="" type="checkbox"/> Add a video from an internet url or Youtube
	<input checked="" type="checkbox"/> Add a video or other media from a piece of html code
Video Category	Users can choose categories after adding a video, you also can restrict videos added in this module to be placed in <input type="text" value="Broadcast"/>
Update Cancel	

Here you can choose whether to accept all 4 kinds of videos in this module, beside that, you can limit videos added in this module to be automatically placed in specific category.

In previous chapter we discussed the permission to add videos, admin users can grant a user to add video from local disk, or from internet. Assuming we have a user, UserA , who have permission to add videos from local disk and internet, what happens when UserA try to use UVG_AddVideo module, which accepts video from internet only? UserA will not be able to upload videos from local disk, although sufficient permission is granted. However, this doesnot prevent UserA from adding videos from local disk in **another instance** of UVG_AddVideo.

Youtube integration

You can add video from Youtube to UVG with either “from internet URL” or “from embed code” option, when choose “from internet URL” you should provide the URL to watch it like this:

<http://www.youtube.com/watch?v=HEeh1BH34Q>

When add video from Youtube, you DONOT need to provide the screenshot URL, UVG is able to automatically determine it, so simply paste the URL above to the 2nd step of UVG_AddVideo wizard and press continue:

Video Source Add video wizard (step 2 of 3)

Upload a video from my local computer
 Record a video with my webcam and microphone
 Add a video from an internet url or Youtube
 Add a video or other media from a piece of html code

Video url
Screenshot url

Series This video doesn't belong to a video series

Supported formats : flv, mp3

The thing that actually happen is, this video is converted to an embedded video before saving, if you go back to UVG_VideoList and watch the video just added, you will see it's being played in Youtube's video player.

To change the appearance of the youtube video player, goto “Youtube” tab in UVG_Configurations module:

Authorized users can add videos from youtube, when add with "from internet url" option, UVG will convert it to an embedded video, use below options to dictate the appearance of the embedded youtube player.

Player Size : x Center it

Menu bars color : # Border color : # Show border

Show buttons : Full screen Video information Screen

Play : HD Loop Auto play

Include related videos

Apply to youtube videos added with "from embed code" option too

[Update Existing Youtube Videos](#)

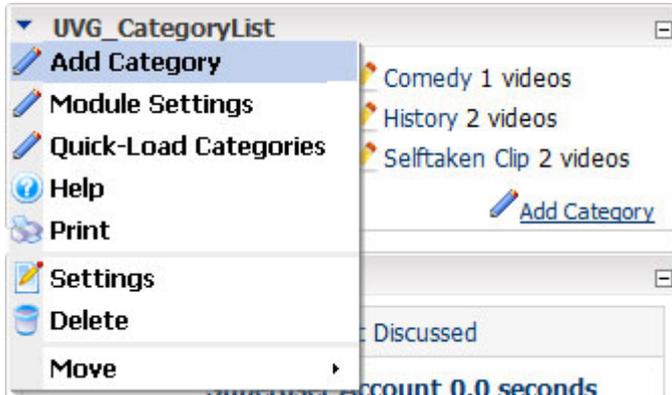
You can change the size of the player, color scheme, and buttons to use, the changes will be applied to any new added youtube video, or you can use the button at bottom to update existing videos.

In default, above conversion only apply to Youtube videos added with “from internet URL” option, you also can apply it to youtube videos added with “from embed code” option so all videos on your website can have unique appearance. To do this, simply make sure below option is checked in UVG_Configurations module:

Apply to youtube videos added with "from embed code" option too

Work with category

The UVG_CategoryList module can be used to manage video categories and display a category list, it looks like this:



Click **Add Category** to add a new category like this:

Edit Category

Parent This category have no parent

Category

View Order

Player Tab <None Specified> ▼

Listing Tab <None Specified> ▼

[Update](#) [Cancel](#)

The View Order field is used to sort categories, you can enter a free text like A or 1, please note $1 > 0$, $A > AA > AB > B$.

You can put your category in root level or under another category, but please note the UVG_CategoryList module only list videos that doesnot belong to any parent category, if you want to get a category tree, use UVG_CategoryListNested module instead.

Do you remember the Player Tab and List tab option in UVG_Configurations module? These 2 options affects all videos in your portal, however, you can setup a dedicated player tab and list tab for specific video category. In above screenshot you can find those options.

When click **Module Settings** from UVG_CategoryList's module menu this screen appears:

Module Settings

Columns

Html Body

```

<table>
<tr>
  <td class='Normal'>[EDITLINK]</td>
  <td class='Normal'><a
href='[CATEGORYLINK]'>[CATEGORYTITLE]
</a> [VIDEOCOUNT] videos</td>
</tr>
</table>

```

Show all categories even no view permission

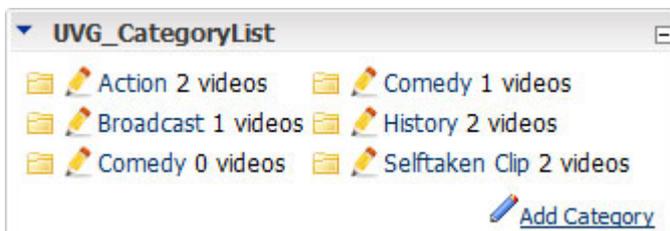
[Update](#) [Cancel](#)

Enter a value bigger than 1 if you want to display multiple categories in single line.

The display template of this module can be adjusted in html body section, below tokens can be used to represent specific data:

- [CATEGORYTITLE] – the name of your category
- [VIDEOCOUNT] – number of videos in this category
- [CATEGORYLINK] – the link to UVG_VideoList module
- [EDITLINK] – the link to edit it

For example, use [VIDEOCOUNT] token to show the number of videos in each category:



When click a category, UVG navigate to Listing Tab set in UVG_Configurations, which should contain a UVG_VideoList module, in most case your expected behavior is to show videos in selected category only, but it doesn't work in this way in default, you should click Module Settings from UVG_VideoList's module menu, and ensure **Category** option is set to "set by querystring":

Other Options

Default Timeline

Page Size

Videos Per Row

Category

- <All categories>
- <Set by querystring>
- Business
- Education

After this change, UVG_VideoList module still display videos in all categories in default, but as long as a category is selected in UVG_CategoryList module, only videos in this category are displayed.

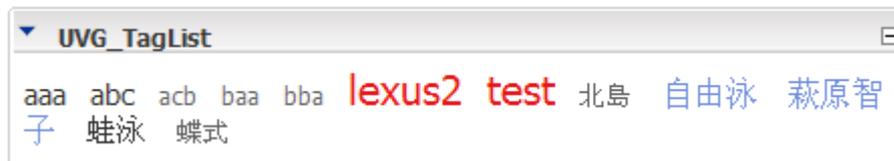
Work with tags

Tag is keywords which best describe your video, in the last step of add video wizard you can see a text box to enter tags:

Tags: Tags are keywords which best describe your video, *separated by space*

You can use a space (" ") to separate 2 tags, if your tag contains spaces you should replace it to \ + space (" \ "), for example, your video contains 2 tags, one is "Ultra Video Gallery", another one is "Demo", you should write it in this way: Ultra\ Video\ Gallery Demo

The UVG_TagList module displays tag cloud on your website:



Tags are sorted alphabetically; the color and size of a tag is determined by its popularity. You can customize TagCloudLevel1 – TagCloudLevel4 in module.css if you want to change its look and feel.

In Module Settings screen of UVG_TagList you can change its display template, these tokens are available in body template.

- [TAG] – the tag name
- [TAGID]
- [TAGLINK]
- [AUTHORID] – the id of the user who created this tag
- [AUTHOR] – the display name of tag author
- [AUTHOR_USERNAME] - the user name of tag author
- [VIDEOCOUNT] - the number of videos with this tag
- [CREATEDDATE]
- [CLOUDCSSCLASS] – the css class names base on the popularity of this tag

When click a tag in tag cloud, you can see videos with this tag in UVG_VideoList, remember the **Search Results Tab** option in UVG_Configurations module? UVG redirect to this tab when a tag is clicked.

Manage videos

UVG_MyVideos module allows video authors to manage videos created by him self.

The screenshot displays the UVG_MyVideos interface. At the top, there's a 'Sort by' menu with options: Title, Time, Date Added, Views, and a checked 'Descending Order' option. Below this is a list of three video entries. Each entry includes a thumbnail, a title, an 'Add' date and time, a 'Time' duration, a 'Raw file' name, 'Views' count, and 'Series / Category' information. To the right of the list is a 'Filter & Search' panel with a search input field, a 'Series' dropdown, and a 'Category' dropdown. Below that is an 'FTP Upload' panel with a close button and a message explaining that videos can be uploaded via FTP to a specific path on the server. A red '1' is visible at the bottom of the FTP Upload panel.

The sort by menu in top of this module and search form in top right corner can help you to find specific video.

Except the ability to upload videos in UVG_AddVideo module, you also can upload by FTP, what you have to do is just open your FTP client software, upload local videos to specific path on remote server, then refresh the My Videos page, the video uploaded will be displayed in right side, click the add button to add it to UVG.

You can manage your own videos in UVG_MyVideos module, but how to manage videos created by other users? Try to watch a video created by other user, you can find an edit entry in UVG_VideoInformation module like this:

The screenshot shows the UVG_VideoInformation module for a video titled 'Kiss.H264'. At the top left is a user profile for 'SuperUser Account' with a profile picture and a 'Subscribe' button. Below the video title, there are fields for 'Category:', 'Tags:', 'Url:', and 'Embed:'. The 'Url:' field contains the text 'http://localhost/dnn450/DesktopModules/UltraVideoG' and the 'Embed:' field contains '<object allowFullScreen='True' allowScriptAccess='alv'.

A few users want to manage all videos in UVG_MyVideos module, even the video is not created by him self, this feature is not publicly supported in UVG 4, but simply add “**SuperMode =True**” to the URL of My Videos page is ok.

Work with video series

Video Series is a video group, multiple videos can be placed in single series so your visitors can watch them together.

In the 1st step of add video wizard, you can see these options:

The 3rd option allows you to add new videos to an existing video series, the 2nd option allows you to create a new video series:

You should enter a title and optional description for your series, a series can be assigned to a video category, but please note videos belongs to a series no longer have a category option.

Can I attach an existing video to a series? The answer is yes, find this video and edit it, in the edit screen you can see **Series** section.

Enter the name of your series in this text box, this textbox support auto-complete, you just need to enter first 2 characters and UVG will list all series with this prefix. Clicking the green button will attach current video to selected series.

UVG_MySeries module can be used to manage your own video serieses, you can place it on a dedicated page or together with your UVG_MyVideos module.

My Video Series		1 - 7 of 7		Filter & Search	
	New Series Added: 1/10/2009 5:01:29 PM Broadcast: Public	Videos: 4 Views: 0	Play	<input type="text" value="Search:"/>	Category: <All categories>
	Series created in web form Added: 1/10/2009 4:55:49 PM Broadcast: Public	Videos: 0 Views: 0	Play		
	Free style swiming Added: 10/24/2008 10:44:46 AM Broadcast: Public	Videos: 2 Views: 0	Play		
	Free videos Added: 10/6/2008 2:28:29 PM Broadcast: Public	Videos: 3 Views: 0	Play		

Click Edit button to edit an existing series, you will see this screen:

Edit Series

Series Title:

Series Description:

Category: [<None Specified>](#)

[Update](#) [Delete](#) [Cancel](#)

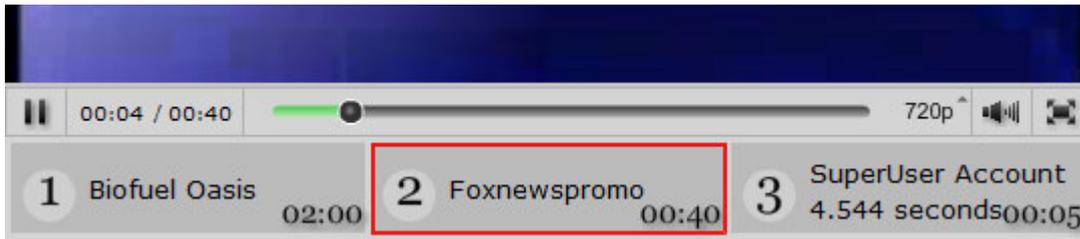
Videos in this series

	video title goes here... Added: 1/9/2009 11:08:04 PM Raw file: dnn450	Time: 04:26 Views: 0	Play
	1199100 Added: 1/9/2009 11:20:09 PM Raw file: dnn450	Time: 03:13 Views: 0	Play

[Detach all](#)

You can detach specific or all videos from this series, or use arrow buttons to adjust sort order.

When watch a video in series, UVG load other videos in this series together with the selected video, you can find a button to watch each of them in the bottom of UVG video player like below screenshot:



UVG_FreeSeriesList

Similar to UVG_FreeVideoList, UVG_FreeSeriesList module can be used to display series with various sort options, below is a screenshot:

In the settings screen of this module you can define up to 2 list types, below tokens can be used in the display template:

[CATEGORY] - Category name

[SERIESTITLE] - Series title

[LINK] - The link to watch this series

[SCREENSHOT] - The screenshot url of the 1st video in this series

[SCREENSHOTWIDTH] - The screenshot width set in UVG_Configurations module

[VIEWS] - Number of views of all videos in this series

[COMMENTS] - Number of comments

[VIDEOCOUNT] - Number of videos in this series

[SERIESID]

[AUTHORID]

[AUTHOR] - Author display name

[AUTHOR_USERNAME]

[CREATEDAGO] - How long ago this series is created

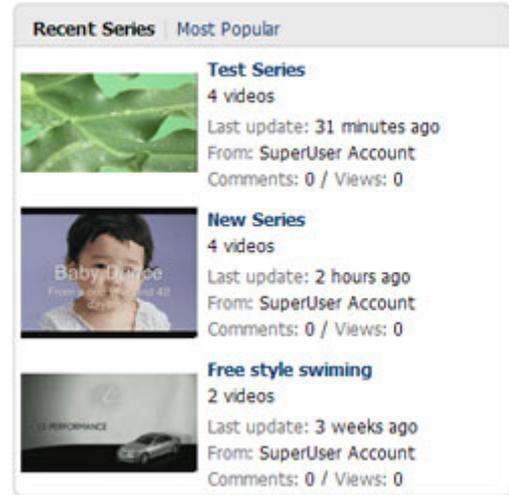
[LASTUPDATEDATE] - The time when the last video is added to this series

[LASTUPDATEDATE:Date Format] - Format last update date in specified format string

[LASTUPDATEAGO] - How long ago this series get the last video

[DESCRIPTION] - Series description

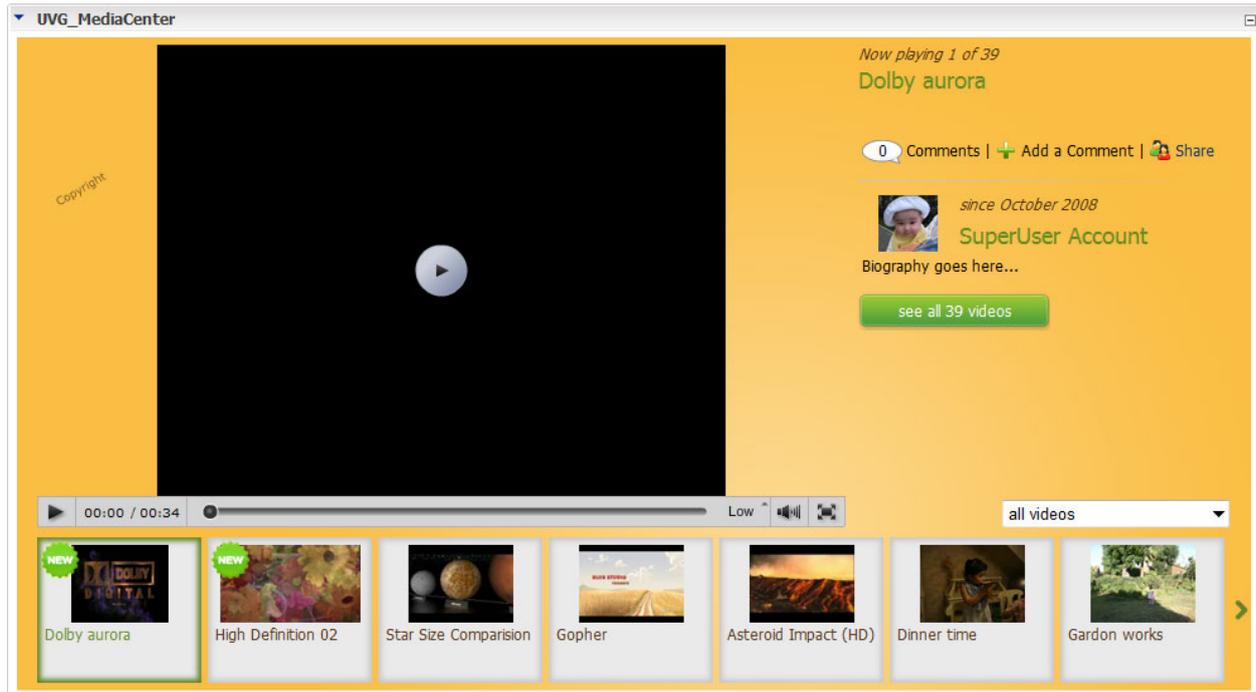
[DESCRIPTION:X] - Left X characters in description



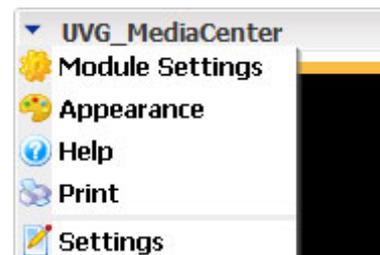
Media Center

Since the 1st version of UVG, we introduced the traditional way to organize tabs to host UVG modules, you need to implement **Video List** and **Video Player** tab so users can click a video in the 1st tab and watch it in the 2nd tab. You may have got used to that, but UVG 4 offers a completely different way to deliver video contents.

To do that, add an instance of UVG_MediaCenter to your DNN page:



In the drop down menu of this module you can find **Appearance** and **Module Settings** as shown in right side, click Appearance if you would like to customize colors, watermark and other behaviors of the video player in upper left area, you may have noticed there is also a Appearance menu in UVG_VideoPlayer module, but they are independent, e.g. changes you make in UVG_MediaCenter will not affect UVG_VideoPlayer.



This module supports all types of videos, including embed videos, the 3rd item in above screenshot is embedded from youtube, when click on it the youtube player is loaded in upper left area.

The bottom section is video list, you may have seen the 1st and 2nd video are marked as “New”, in the **Module Settings** page you can configure videos added in how many days to be marked as “new”.

The upper right area displays the video title and description, it also offers a link to see comments posted by other users and another link to add a comment.

The author information is displayed below comment links, it also has a button to see all other videos posted by current author. If your videos are uploaded by same user you may not need this area, in this case simply disable “**Show author info and other videos**” in **Module Settings**, below is a screenshot of the Module Settings page:

Module Settings	
Player Size	640 x 360 Widescreen ▼
Mode	All videos in this portal ▼
Options	<input checked="" type="checkbox"/> Allow category selection
	<input checked="" type="checkbox"/> Show author info and other videos
	Sort by: Recent Video ▼
New Videos	Mark videos added in recent 7 ▼ days as new.
Background	#FABE44
Update Cancel	

Player size is used to set the size of the UVG video player, but please note it applies to non-embedded videos only, for embedded videos, UVG is not able to control its size because the size is set in embed code itself, in this case UVG still reserve such a area for it, if the embed video is smaller than reserved area, it works without any problem, but if the embed video happen to be larger than the reserved area, the exceeding part will not be visible.

Mode option is used to set which videos to be played in this module, it defaults to “all videos in this portal”, but you can also select “video in a series”, “video in a category” or “video with a tag”.

If you would like your visitors to be able to choose a video category, select “**Allow category selection**”.

In **Sort by** area you can choose the default sort order of videos.

UVG_MediaCenter is iPhone/iPad compatible.

Advanced Topics

Live video recording

UVG 4 is able to record live videos from webcam, but it must work together with Flash Media Server (FMS).

Before using this feature, please be aware there are 3 different versions of flash media server:

1. Flash Media Streaming Server
2. Flash Media Interactive Server
3. Flash Media Development Server

Only the 2nd and 3rd one supports live video recording, the interactive server can be purchased on Adobe's website, the development server can be downloaded for free but it is limited to 10 simultaneous connections.

If you have your interactive server or development server setup, or you created a shared FMS hosting, you can now download the server-side application for live recording from [here](#). Unpack it to get a folder named "uvg", a few plain text files can be found in this folder, now copy this folder to the applications folder of your FMS, it defaults to:

C:\Program Files (x86)\Adobe\Flash Media Server 3.5\applications

Or

C:\Program Files\Adobe\Flash Media Server 3.5\applications

Then you can enter the URL of the server-side application in UVG_Configurations module, it should be something like this:

The server URL of my Flash Media Server is , you can use it to record videos with webcam

When record videos, limit camera size to , keep video quality to

If your FMS doesn't run in default 1935 port, you can change it or just leave the port number blank.

Another thing to notice is the 1935 port(or other ports used by your FMS) must be allowed in your firewall, otherwise UVG is not able to connect.

After all settings above, you will have the record option in the 2nd step of UVG_AddVideo module.

Video Source Add video wizard (step 2 of 3)

- Upload a video from my local computer
- Record a video with my webcam and microphone
- Add a video from an internet url or Youtube
- Add a video or other media from a piece of html code

Video

Your computer doesnot have a webcam.

OK

Duration: 0:00:00

Delete Publish **REC**

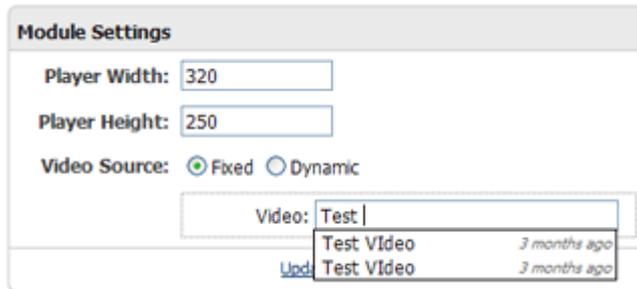
Series This video doesn't belong to a video series

Above message is shown when you donot have a webcam, if webcam is available, you will be able to use the red REC button to record a video, once finished, click the stop button and finally click the Publish button to publish it to UVG, your video will not be saved if not published.

Compact player

Some video websites have a player on their homepage playing their promoted video, this feature is also supported in UVG 3.

Add UVG_CompactPlayer module to a page, this module looks like UVG_Player, but it's smaller, and no unnecessary controls. Click Module Settings to configure it.



Module Settings

Player Width:

Player Height:

Video Source: Fixed Dynamic

Video:
 3 months ago
 3 months ago

The video source option dictates what video to play, it can be a fixed video, or a dynamic video, when choose fixed video, you can enter your video name with auto-complete.

Fixed Dynamic

When choose Dynamic video option, you can choose most viewed video, most popular, top rated... etc.

Condition: ▼

Timeline: ▼

Category: ▼

Work with video listing modules

In UVG 3, only 2 modules can be used to generate video listings:

- UVG_VideoList
- UVG_FreeVideoList

UVG_VideoList is the major video listing module, we've discussed it many times in former chapters, this module allows you to order videos by up to 5 criterias, now let's check its settings screen:

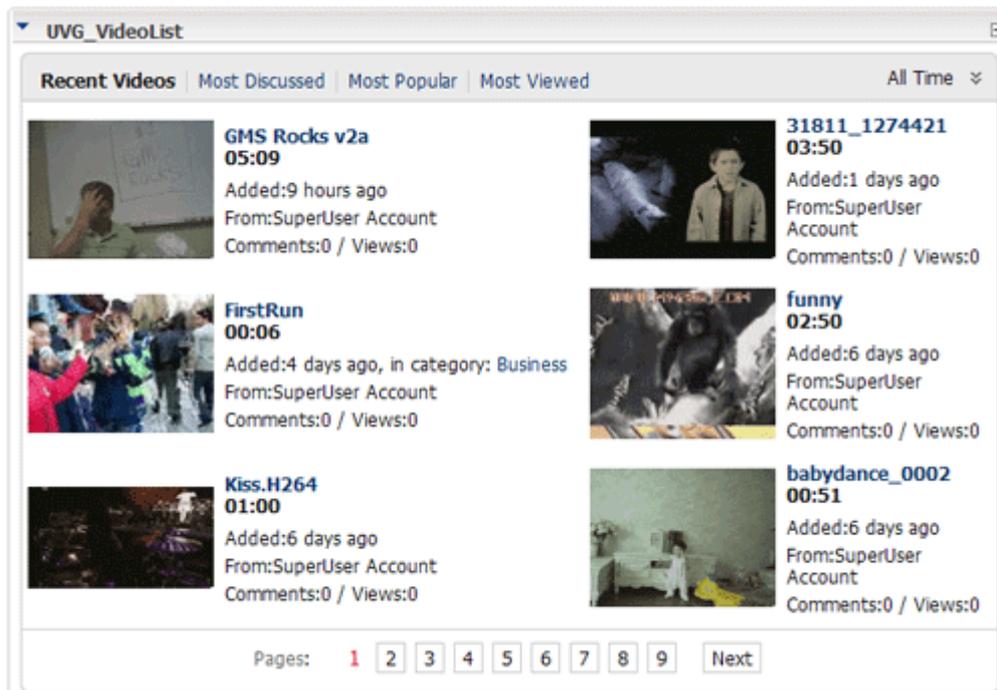
Only the 1st list type is necessary, all others are optional.

Display Template can be used to customize layout and appearance of your video items, available tokens can be found in the end of this chapter. Please note videos in a series and not in a series can have different display templates.

Default Timeline can be either Today, This Week, This Month, or All Time, when set to Today UVG only list videos created in past 24 hours in default.

Category option is used to set the scope of videos, you can set it to all categories, specific category or the category set by querystring.

Assume you setup 4 list types, page size to 6, and default time to All Time, below is a typical output of this module:



This module supports partial rendering, if ASP.NET ajax is installed on your website, clicking paging buttons in the bottom, sorting menus in the top, and timeline option in top right corner, will cause a postback in ajax manner without page refresh.

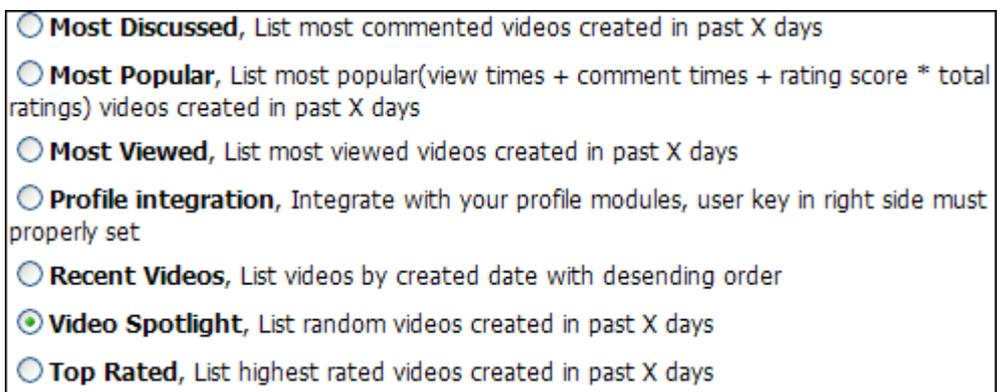
In prior versions, UVG have 3 extra listing modules:

- UVG_LatestVideos
- UVG_PopularVideos
- UVG_VideoSpotLight

These modules are no longer available in UVG 3, these features can be replicated by new UVG_FreeVideoList module.

The Settings screen of UVG_FreeVideoList is similar to UVG_VideoList, but you can select 2 list types only.

Available list types are listed below:



Selecting **Recent Videos** equals to UVG_LatestVideos module, selecting **Most Popular** equals to UVG_PopularVideos, and selecting **Video Spotlight** equals to UVG_VideoSpotlight.

The **profile integration** list type can be used to be integrated with your profile modules.

UVG_FreeVideoList also supports partial rendering.

Below tokens can be used in the display template of both UVG_VideoList & UVG_FreeVideoList.

[VIDEOTITLE] - Video title

[CREATEDDATE]

[DESCRIPTION]

[LINK] - The link to watch this video

[SCREENSHOT]

[SCREENSHOTWIDTH] - The screenshot width set in UVG_Configurations module

[VIEWS] - Number of videos

[VIDEOID]

[CREATEDAGO] - How long ago this video is created

[COMMENTS] - Number of comments

[AUTHORID]

[AUTHOR] - Author display name

[AUTHOR_USERNAME]

[TAGS]

[LENGTH] - Video length

[AVERAGERATING] - Average rating score

[CREATEDDATE:Date Format] - Format created date in specified format string

[RATINGSTARS] - Display rating score with star icons

[DESCRIPTION:X] - Left X characters in description

These extra tokens are available for videos in series:

[SERIESTITLE]

[SERIEDESCRIPTION]

[SERIESINDEX] - The index of this video in series

[SERIESVIDEOS] - Number of videos in this series

Video moderation

Video moderation is disabled in default, if some of your videos are from untrusted users you may consider to enable this option. In UVG_Configurations module, you can find these options:

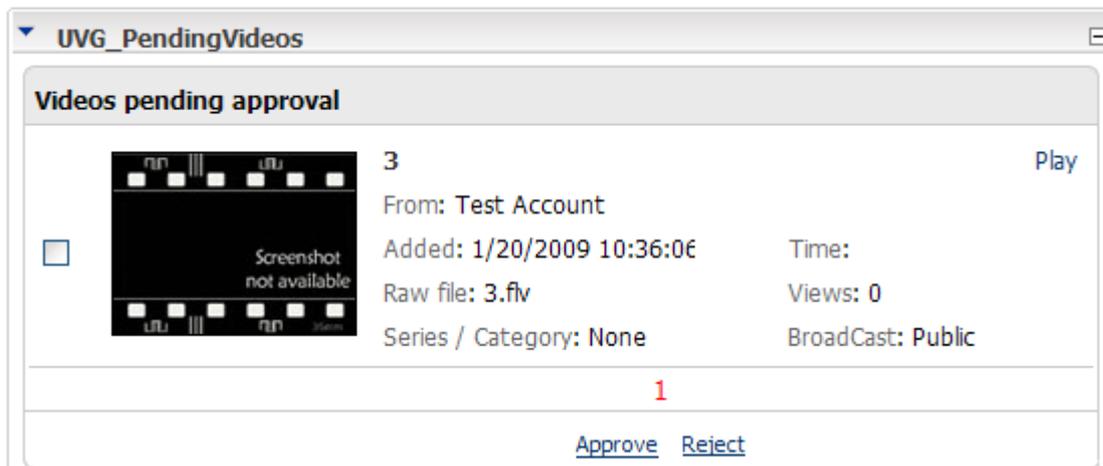
Need Approval Notify Moderators

Checking **Need Approval** enables moderation process in your entire portal, check **Notify Moderators** if you want to send an email to all video managers when there is a new video added and need to be approved.

Now please ensure both of them are checked, then login as a normal user and try to add a new video, in the last step of add video wizard you will get this message: This video is not approved.

Unapproved video can be watched by your self but it doesn't appear in video lists, so nobody else can see it.

Login as a video manager, and check Video Approval page which contains a UVG_PendingVideos module:



You can select one or more videos and Approve or Reject them, rejected videos are deleted from your server.

A notification email is sent to the author once a video is approved or rejected, the email template can be customized in SharedResourceFile.ascx.resx.

View permission

In default, all videos in UVG are public, in some case you may want to restrict some users from watching specific videos, this can be done by view permission feature.

UVG allows you to set view permission on both category and video level, if you don't set view permission on video level, the settings in category level is applied; if it is also not set on category level, this video become public.

To demonstrate this feature I enable view permission on category level in UVG_Configurations module, the view roles option is now available in edit category screen.

Edit Category

Category

View Order

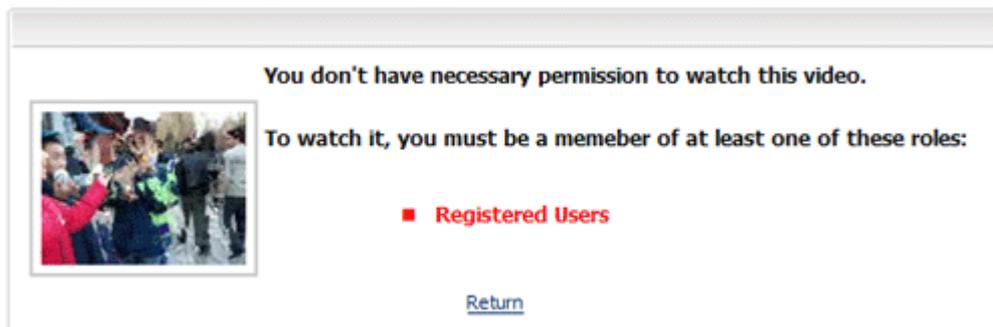
View Roles Administrators Subscribers
 Registered Users All Users

Player Tab ▼

Listing Tab ▼

[Update](#) [Delete](#) [Cancel](#)

View roles defaults to blank, so this category is public to all users, change it to "Registered Users" and save changes, then I logout my current session so I'm not a member of registered users, I get this message when I try to watch a video in this category:



In "Permission" tab of UVG_Configurations module you can find this option:

In UVG_VideoList module, remove videos without permission to watch

This option is turned off in default, thus UVG_VideoList doesn't check view permission of each video, so videos which can't be watched by current user are still displayed in this module. When this option is turned on however, UVG_VideoList will check view permission for every video and remove items without permission to watch. This brings performance decrease so turn it on when you really need it.

View permission is very useful when you want to benefit from your videos, for example, you can create 3 roles in your website, Bronze Member, Silver Member, and Golden Member, users in Bronze

Member can watch limited videos, Silver Member can watch more videos and Golden Member can watch all videos, then you can allow site users to pay for subscription of these roles, DNN itself support role subscription, your users can pay you by paypal to become a member of specific role in a predefined period.

In some case, you may want to direct your visitors to a dedicated DNN page when they don't have permission to watch a video, in this page you tell your visitors what to do, for example, to subscribe to a premium role, this redirection page can be set by **Redirection Tab** in UVG_Configurations module.

Video player customization

UVG_Player module is used to play flv and mp4 videos, the typical appearance of this module look like this:

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Similar to Ultra Media Gallery, you can change colors, text size and behaviors of this player, click Module Settings in module menu to enter the settings screen:

Video Player Appearance Settings

Gallery Size X

Player Size X

Gallery Background # Alpha: ▾

Player Background # Alpha: ▾

Item Background #

Item Background Alpha ▾

Item Size X

Video Series Border Color When Hover #

Border Of Current Item #

Font Size ▾

Auto Adjust Width

Background Color #

Play Progress Bar Color Of Played Part #

Unlike UVG 2, there are 2 size options in the top of the appearance settings screen, **Gallery Size** is the size of the entire flash player, player size is the size of the video area, when set player size smaller than gallery size, you can display a **Background** commercial in the gallery stage, refer to **Commercial & Advertisement** chapter for further information.

If you don't use Background commercial, you can set player size equals to gallery size.

For all color fields, you can directly enter the color hex value, or click the color block beside it to select a color from a graphical color picker, please note the color picker works in IE only.

The Load Default Settings button in Appearance settings can load default values from an xml file, if you want to edit the default values you just need to alter Default.xml under /Desktopmodules/UltraVideoGallery folder.

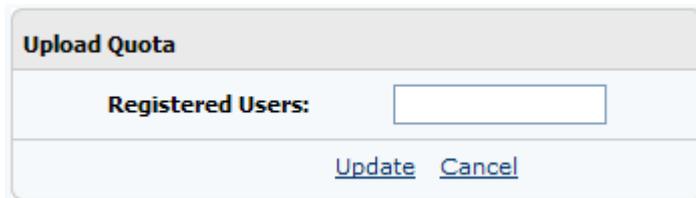
Video upload quota

Quota is the max number of videos a user can add, when you collect videos from site users, you may want to restrict them from adding numerous videos.

In UVG_Configurations module, you can find a checkbox to activate this feature:

Upload Quota

Check it and save changes, then you can see a link to edit quota details beside this option, click it and following screen appears:



Upload Quota

Registered Users:

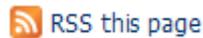
[Update](#) [Cancel](#)

All Composing roles defined in UVG_Configurations module are listed here, you can enter a positive value if you want to limit this role from adding more videos, leave it blank to allow this role adding unlimited videos, if a user belongs to 2 or more roles, the maximum quota of these roles is applied.

If the quota of a user is reached, this user won't be able to add more videos on your website.

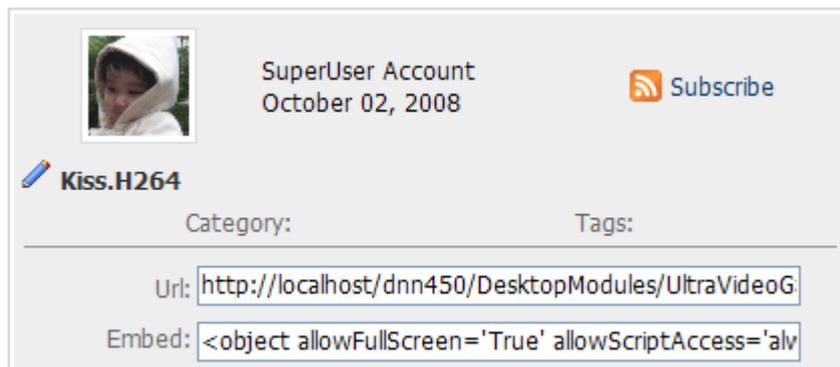
RSS subscription

Rss subscription allows you to subscribe to a video listing, in the bottom of UVG_VideoList module you can find this link:



UVG_VideoList allows you to sort videos by 6 criterias, like Recent Videos, Most Popular, Most Discussed... etc, videos sorts in the rss equals to the sorts in UVG_VideoList, e.g. if you click Most Popular in UVG_VideoList and then click RSS this page, you get a rss feed which sort videos by popularity.

Another enhancement introduced in UVG 3 is the ability to subscribe to specific video author, when you watch a video you can see this link in UVG_VideoInformation module:



Clicking the Subscribe button to get a rss feed which includes videos created by this author only.

In default, the url to watch a video in Video Player page on your website is included in the rss feed, so subscribers come to your website to watch a video, in some case you may want to publish the direct link of the video file in the rss feed, this url can be delivered by rss **enclosure** tag.

To do this, please find and open Feed.aspx in /Desktopmodules/UltraVideoGallery folder, locate this line:

```
<% LoadRss(False)%>
```

And change to

```
<% LoadRss(True)%>
```

Just save changes and try again, for further information about enclosure tag please refer to wikipedia.

Video search

UVG implemented the standard `ISearchAble` interface provided by DNN core, so you can search videos from standard DNN search form, besides that, there is a dedicated search module in UVG which can be used to search videos in a more effective way.

To implement UVG own search functionality, you should specify the Search Results Tab in UVG_Configurations module at first. A UVG_VideoList module must be placed in this page which is used to show search results. If you don't have a dedicated search results tab you can use your Video List page instead.

Then you should place a UVG_SearchInput module somewhere, in Module Settings there is an option to run this module in compact mode.

When submit a new search, UVG search specified keyword in video tag, video title and video description.

The screenshot shows a web form titled "UVG_SearchInput". It contains two input fields: "Keyword:" with an empty text box, and "Category:" with a dropdown menu currently set to "All Categories". Below these fields is a "Search" button.

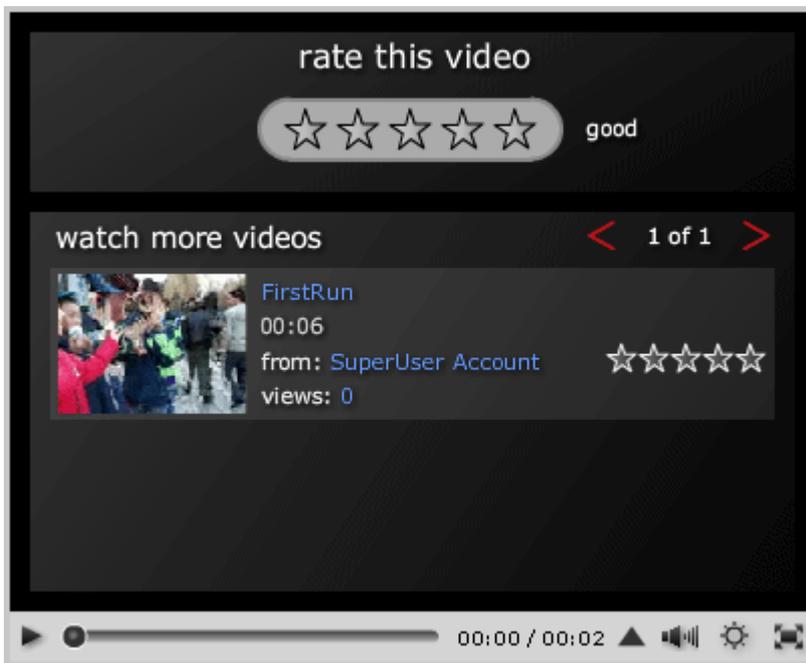
Rating and comment

UVG_VideoComments and UVG_VideoRating are sub modules of UVG_VideoPlayer, they are used to rate video and post video comments.

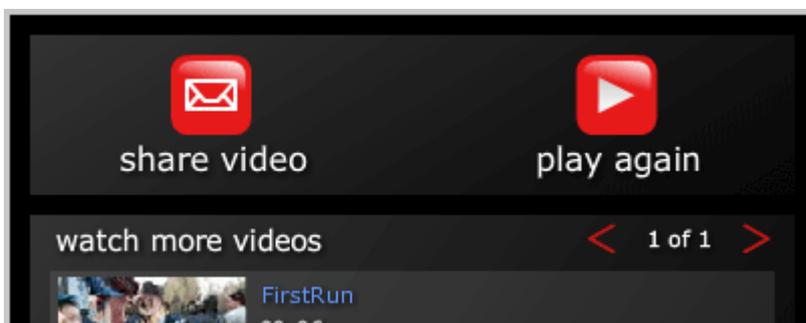
In default, all visitors can post rating and comment, if you want to limit anonymous users from rating a video, please enable **Login before rating a video** option in UVG_Configurations module.

For each individual user, only 1 rating but multiple comments can be posted to single video.

In UVG video player, if a video doesn't belong to a video series, and it have common tags with some other videos, related videos screen appears when reach the end of this video:



A rating form is available in the flash player, this promote participations of your site visitors so it will definitely promote your website. However, if you don't like it you can disable **Show rating form in related videos screen** option in Module Settings so the traditional **Replay** and **Share** buttons are displayed instead:



UVG_VideoComments module supports Captcha validation which ensures the one who post video comment is human, when you watch a video as a anonymous user you can see the captcha control:

▼ Post Your Comment

Name: (required)

Email: (required, hidden)

Comment:

Security code: 

Enter the code shown above:

You must enter your name/email/comment and security code to post a comment, once you pass the captcha validation, UVG won't require you to validate again during your session, you will find the captcha control is hidden, your name and email are filled in corresponding textboxes automatically when you watch another video.

Existing comments are displayed in UVG_VideoComments module like this:

▼ Comments & Response



pengtsen (5 minutes ago) Reply

great!

A default avatar is displayed for this user, actually it can be integrated with your profile module so the avatar of this user in your profile module is displayed rather than the default picture. Please note this works for registered users only, for comments posted by anonymous users – even he passed the captcha validation – UVG is not able to get his avatar.

Currently these profile modules are supported:

- Active Forums
- Active Social
- Smart-Thinker Profile
- DNN Forum

If you use Active Forums, please copy below text to **Profile Provider – Type** textbox in UVG_Configurations module:

`BizModules.UltraVideoGallery.Profile.ActiveForums, BizModules.UltraVideoGallery.ActiveForumsProfileProvider`

The type string for Smart-Thinker profile is:

`BizModules.UltraVideoGallery.Profile.SmartThinkerProfile,
BizModules.UltraVideoGallery.SmartThinkerProfileProvider`

The type string for DNN Forum is:

`BizModules.UltraVideoGallery.Profile.DNNForum, BizModules.UltraVideoGallery.DNNForumProfileProvider`

If you use DNN Forum, an additional Module ID should be specified, which is the id of your forum module.

UVG is also able to retrieve avatar from Active Social, but the profile provider is not included in the public PA, to use it, please first download the profile provider [here](#), and apply this type string:

BizModules.UltraVideoGallery.Profile.ActiveSocial, BizModules.UltraVideoGallery.ActiveSocialProfileProvider

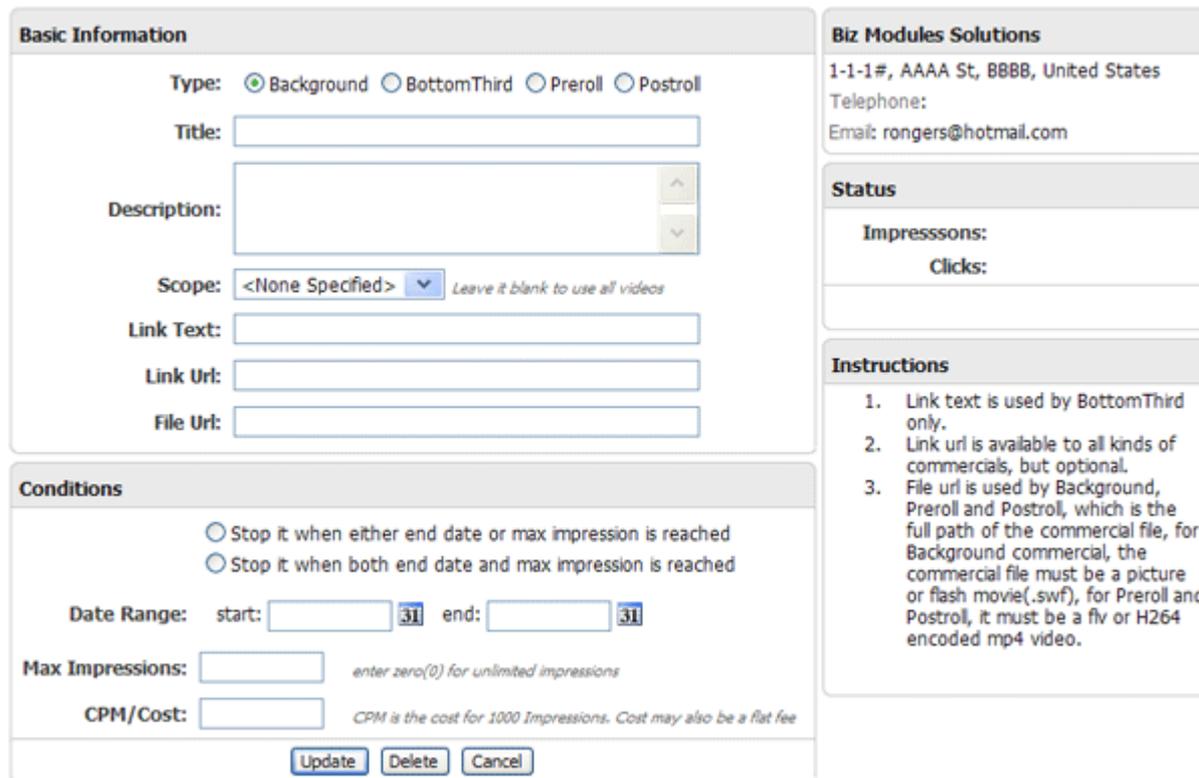
Commercial & Advertisement

Before reading this chapter please be aware this feature is available in UVG Professional Edition only, in Standard Edition you also can create and manage commercials but UVG player doesn't play them.

Since videos added from embed code are not played in UVG video player, all commercials doesn't work for embedded videos.

Before creating a commercial in UVG, you should create a **Vendor** first, Vendors are companies or organizations which place commercials on your website, to manage your vendors, login with portal administrator account and visit Admin - Vendors page. If your commercials belong to different vendors, be sure to create all of them.

Then add UVG_Commercial module to a DNN page, you can see a list of all vendors in this portal, click  button beside vendor names to manage commercials of this vendor, then click **Add New** button to add a new item.



Basic Information

Type: Background BottomThird Preroll Postroll

Title:

Description:

Scope: Leave it blank to use all videos

Link Text:

Link Url:

File Url:

Conditions

Stop it when either end date or max impression is reached
 Stop it when both end date and max impression is reached

Date Range: start: end:

Max Impressions: enter zero(0) for unlimited impressions

CPM/Cost: CPM is the cost for 1000 Impressions. Cost may also be a flat fee

Biz Modules Solutions

1-1-1#, AAAA St, BBBB, United States
 Telephone:
 Email: rongers@hotmail.com

Status

Impressions:
 Clicks:

Instructions

1. Link text is used by BottomThird only.
2. Link url is available to all kinds of commercials, but optional.
3. File url is used by Background, Preroll and Postroll, which is the full path of the commercial file, for Background commercial, the commercial file must be a picture or flash movie(.swf), for Preroll and Postroll, it must be a flv or H264 encoded mp4 video.

You can see 4 kinds of commercials are supported by UVG:

Background, you can display a background picture or flash movie(.swf) in your video player, a valid jpeg picture or swf movie url must be specified in **File Url** field.

BottomThird, bottomthird is text advertisement displayed in lower part of the video player when a video is being played, the **Title** field in above screenshot dictates the title of the advertisement, the **Description** field dictates the body of the advertisement, **Link Url** field dictates the link target when click on it, and **Link Text** dictates the label of the hyperlink.

Preroll & Postroll, it's easy to understand, these 2 are played before or after your video content, only **File Url** in above screenshot is necessary, which should be a valid url of a flv video, if the flv file is stored within your website, you can ignore the domain name, otherwise you should provide the full

path, for example, UVG runs on <http://yourdomain.com/dnn>, the flv video is mycommercial.flv under your portal root folder, you can just type /dnn/portals/0/ mycommercial.flv as File Url.

Scope dictates the applying scope of this commercial, when set it to empty, this commercial applies to all videos in your entire portal, when set it to a video category, only videos in this category are applied.

Conditions section dictates in which conditions this commercial is active, you can set a start and end date for it, or limit it by setting a max impression number.

Having created your commercials, UVG video player picks specific commercials every time you watch a video, the logic to pick commercials is a bit complicated, below is the basic principle.

1. When watch a video in specific category, UVG prefers to pick a commercial in this category, if no item is found, commercials applies to entire portal is picked.
2. When watch a video which doesn't belong to any series, UVG only pick 1 preroll, 1 postroll, 1 bottomthird and 1 background commercial(if exist).
3. When watch a video which belongs to a series, let's say there are X videos in this series, UVG picks 1 preroll, 1 postroll, X bottomthird and X background commercial.

Below is a typical screen showing how UVG video player present your commercials.

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The area between 2 red borders is used to display **Background** commercial, in Module Settings of the player you can set gallery size and player size, if player size equals to gallery size or they are close, there may not be enough place to show background commercial, in this case background commercial is ignored.

The area in green border is used to play your video content, however, **Preroll & Postroll** commercials are played here too, please note the control bar below the video area is disabled when playing preroll and postroll commercials, so your visitors must wait until the commercial is finished.

The area in blue border is used to display **BottomThird** commercial, the close button can be used

to hide it when your visitor is not interested.

When watch videos in series, UVG only play the Preroll and Postroll commercial for once, when your visitor watch the 2nd video he won't see them again. However, the BottomThird and Background commercials refresh when he click other videos in this series so you can have more valid impressions.

UVG add an impression record to database once a commercial is hitted, the record contains impression time, audience name, IP, video being watched ... etc.

When a commercial is finished, e.g. reaches it's date period limitation or max impression number, it's stopped by UVG and the status is changed to Finished in UVG_Commercial module.

You can click **Archive** button in UVG_Commercial module to archive a finished item, related database records are deleted and a CSV report is generated by UVG, which includes the impression and click history of this commercial, you can send this report to your advertiser to show there is no fraud.

Status
Finished
Impresssons: 192
Clicks: 0
Archive

In default, UVG always pick commercials (if there is active item) when watch a video, this can be changed to **sometimes**, e.g. only pick commercials for X times in Y video watches. This feature is supported by UVG but not offered as a setting option.

Locate UVG_CommercialPick stored procedure in your database, this procedure looks like this:

```
ALTER procedure [dbo].[UVG_CommercialPick]
@CategoryId int,
@Max int
AS
```

```
--The probability to pick a commercial, 0 ~ 100
DECLARE @PickProbability int
set @PickProbability = 100
--Variables below should not be changed
.....
```

You can change the probability by directly changing @PickProbability variable.

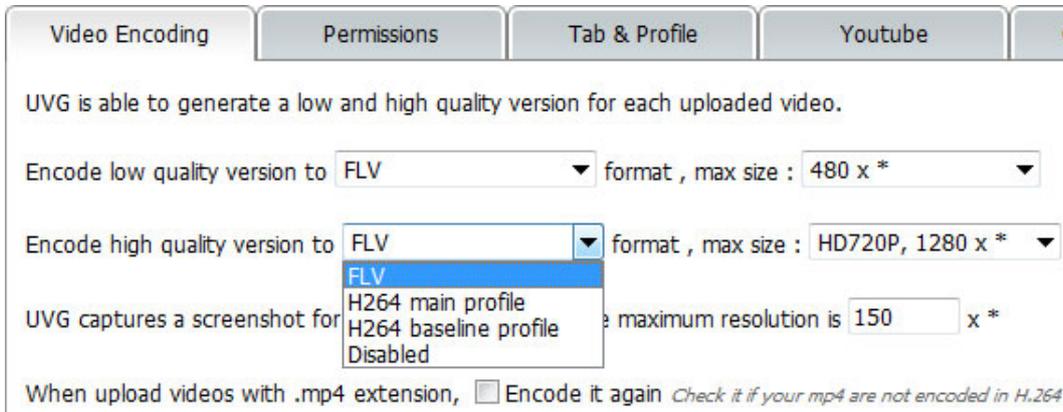
Video encoding

UVG 4 comes with a new developed video encoding engine which generates H264 videos in much better quality and less file size. It's now possible to deliver real high definition 720p and even 1080p videos in UVG 4.

Before reading this chapter, please be ware only UVG Professional Edition supports H264 encoding, if you have UVG Standard Edition you can use FLV encoding only.

H264-eocoded videos are saved in mp4 format, to playback this kind of video you must ensure your IIS must support “mp4” mime type. This is a “must do” job if you use IIS 7.

Below is a screenshot of all related options in UVG_Configurations module:

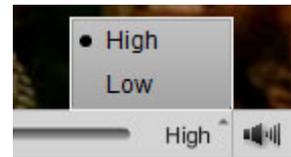


We recommend you to configure it in this way:

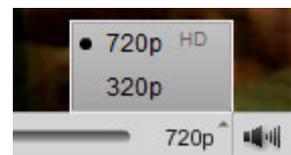
	UVG Standard	UVG Professional	UVG Professional Supports iPhone/iPad
Low quality version	FLV	H264 main profile	H264 baseline profile
High quality version	FLV	H264 main profile	H264 main profile

Generally you need to make the size of the low quality version smaller than the high quality version, a typical setting may be 480 x * for low quality version while 720p for high quality videos.

When watch a video which have both low and high quality version, a quality selection button will be displayed in UVG_VideoPlayer module. If you want to change the label text in this area, select “Appearance” in the module menu and find “Video Quality” section.



If you serve low quality videos in 320p and high quality videos in 720p, you can enter corresponding texts in this section, and optionally enter “HD” in the sub title of high quality version, save changes and watch a video again, the quality selection area now looks more professional.



UVG generates videos in mp4 extension when encode videos to H264, but this doesn't mean all mp4 videos are encoded by H264, actually mp4 is a just a "media container", there are many possible video formats for mp4 file, most of them can't be played in flash. Thus UVG still re-encode it if you upload a video with .mp4 extension.

However, some softwares are able to create H264-encoded mp4 video, if you are sure the mp4 videos going to be uploaded to your website are all in H264 format, you should uncheck "Encode it again" checkbox in UVG_Configurations module.

Please note this doesn't mean UVG don't alter your video at all, due to some reasons, most softwares place video meta information in file end when generate mp4 videos, which means flash is not able to play it before the video is completely downloaded, I bet you won't want to have this behavior on your website.

UVG alter the mp4 file to move meta information to the beginning of the file when upload, so your visitors can watch it while buffering, this brings 3% ~ 5% file size increase to the mp4 file, please be aware of this.

Video quality control

General speaking, the video quality is controlled by UVG automatically, in those cases you do not need to care about it. But experienced users can use "Bitrate Manager" to adjust the quality of UVG-generated videos.

Bitrate manager is a feature in UVG & UVG Converter used to control the quality of video output, this feature is not available as a visible setting option.

For UVG, locate BitrateManager.xml in /Desktopmodules/UltraVideoGallery/Binaries folder, for UVG Converter, locate it in C:\Program Files\BizModules.net\UVG Converter 4\Binaries folder, open it to get an xml document:

```
<bitratemanager>
  <flv mode="Fixed" qmin="5" qmax="15" />
  <mp4 mode="Dynamic" bitrate="2" />
  <mp4_baseline mode="Dynamic" bitrate="2" />
  <mpg mode="Dynamic" bitrate="10" />
</bitratemanager>
```

This xml contains 4 nodes: flv, mp4, mp4_baseline & mpg.

FLV video quality

The **flv** node is used to adjust quality of flv videos, the **mode** attribute can be either **Fixed** or **Auto**, set it to Auto so UVG handle it automatically, the default value is Fixed.

When set to Fixed, **qmin** and/or **qmax** attribute must be given in this node, qmin should be smaller than qmax, the suggested range of these 2 parameters is 1 – 20, please note smaller value means better video quality, so qmin dictates the maximum video quality, and qmax dictates the minimum video quality.

The default setting for this node is qmin = 5, and qmax = 15, you can try to change it to qmin=5, qmax=10 to for better quality. Please note better quality means bigger file size, you should monitor the file size while increasing video quality. We suggest you to keep qmax >= 10 when use UVG on internet.

Since both UVG standard edition and professional edition can encode videos to flv format, the **flv** node is available for both editions.

H264-encoded video quality

UVG is not able to directly encode some kind of video formats to mp4 format, for example: Real media(.rm), so sometimes UVG encode it to mpg at first, and then encode it again to mp4 format.

Mp4 and **Mp4_baseline** node dictates the video quality of H264-encoded videos, and **mpg** node dictates the video quality of temporary mpg videos.

The **mode** attributes of these 3 nodes can be:

1. Fixed

Use a fixed bitrate, the **bitrate** attribute must be a valid, big number, for example: 800000, means 800 kbps; 1600000 means 1,600 kbps, if videos you plan to upload have same or similar resolution, you can use this option.

2. Dynamic

Use a dynamic bitrate determined by the video resolution, the **bitrate** attribute must be a valid, small number, when set it to **2**, UVG encode videos at $(1440*1080*2) = 3,110$ kbps if video size is 1440 x 1080, and encode videos at $(960*720*2) = 1,382$ kbps when video size is 960 x 720, however, when video size is smaller than 640p UVG automatically increase this value up to 50% percent to ensure video quality.

For mpg node, it defaults to Dynamic while bitrate is set to 10, this is pretty a large value because we need it to make it clear enough for final H264 encoding.

The default setting for mp4 and mp4_baseline nodes are Dynamic mode too, yet bitrate values defaults to 2, we suggest you to keep this value between 1.5 ~ 3.

It won't take effect immediately after making changes to `bitratemanager.xml`, in UVG you should click Restart Application in Host -> Host Settings, in UVG Converter you should quit and run it again.

Tips & tricks

Html 5 <video> tag

Adobe Flash plugin is the most popular choice to deliver video contents on internet in past decade, the major reasons are wide availability and cross platform, however, an alternative solution is introduced in the draft of Html 5 standard – the new <video> tag, for further information about it please refer to [Wikipedia](#).

It still need a few years for this tag to be fully accepted, but the latest version of most modern browsers support it in some manner, the problem now is some browser support this tag but require the video to be in H264, while others requires it to be in OGG format.

UVG allows you to use html 5 <video> tag to replace traditional UVG video player, in \DesktopModules\UltraVideoGallery\Texts folder you can find a text file Html5UserAgents.txt, if you open it you will see below text:

iPhone

iPad

The meaning of this file is, when the client use iPhone and iPad browser to visit your website, UVG automatically switch to <video> tag because Flash plugin is not supported by iPhone/iPad.

If you like, you can use <video> tag for more browsers, but you need to make sure that browser support <video> tag and videos in H264 format.

For example, if you know that browser A fully support it, you can make a new line in Html5UserAgents.txt, write down the name of the browser “A” in this line. Save changes and restart your website, then you can try to visit your website with browser A to see what happens.

Integrate with Amazon S3

Amazon S3 (Simple Storage Service) is an online storage service offered by Amazon. Amazon S3 provides unlimited storage through a simple web services interface. Data can be easily stored and retrieved at any time, from anywhere on the web. Amazon charges in proportion to the amount of data stored and applies charges for sending and receiving data. for further information please refer to Amazon.com.

Amazon s3 is an ideal choice if you have several GBs of data on your website, band width is becoming more and more expensive today, most hosting providers requires you to buy a predefined disk space and bandwidth usage for data transfer, if you buy 1GB disk space and 10GB data transfer from your hosting company, you pay full price even if you only use 1%.

Amazon s3 is different, it doesn't require you to buy a fixed disk space and data transfer, just use it as you like, you only pay for what you use.

Since version 2.2, UVG is integrated with Amazon s3, you can benefit from it by going through our S3 integration wizard.

Now click "Amazon S3 Integration" in UVG_Configurations module, you get a 4-step wizard like this:

Step 1

Step 2

Step 3

[L]The scheduler to upload local videos to amazon s3 server is not installed, click Finish button to install it.

Step 4

In the 1st step, you should provide your amazon access key, if you don't have one please login to Amazon.com and sign up for simple storage service, then you will have a pair of key id and secret key.

In the 2nd step, you should create a "bucket" to store your files, in the simplest manner, you can consider "bucket" as internet domains, all of your files can be accessed as http://bucket_name.s3.amazonaws.com/file_path, please note bucket name is unique across all of Amazon S3 so you won't succeed if you use common words as your bucket name.

In the 3rd step, you can adjust batch quantity if necessary, in default, UVG transfer only 10 videos to Amazon each time.

In the 4th step, UVG informs you the scheduler is not installed and you can install it by clicking the Finish button, once installed, you can find it in Host - Schedule, this task runs every 24 hours, if you want to change its next start time, for example, to run in the midnight, you can run this query in Host - Sql:

```
{databaseOwner}{objectQualifier}UVG_SetAWSOperationTime HOUR, Hour is a integer value between 0 to 23.
```

Having finished this wizard, UVG takes the rest, your videos, screenshots will be transfered to Amazon every day, once a video is successfully transfered, it is deleted from your server hard disk.

It may take a few hours to transfer a batch if your videos are big, to know how many videos have been successfully transfered, you can run this query in Host - Sql:

```
Select count(*) from {databaseOwner}{objectQualifier}UVG_Video where AWS_ThumbKey<>"
```

When you delete a video, UVG contact amazon s3 server to delete related files so it doesn't waste your disk space.

If you have more than 1 portals in your DNN installation, videos in different portals can be transferred to different buckets on amazon, to configure this, you should run Amazon S3 Integration wizard in each of your portal.

CloudFront support

Have you ever experienced this situation? Your web server is hosted in a data center in the US, visitors from north america can watch your video content fluently, but peoples from other continents may continuously buffer and buffer.

Amazon CloudFront service allows you to delivery large amount of data to visitors around the world with a global network, when the visitor comes from the US, a server in north america will serve the request; when the visitor comes from Japan, a server in Tokyo will serve the request; when the visitor comes from Berlin or London, a Europe server will serve the request, so you can expect to deliver your video content to global users as fast as possible.

For further information please refer to [Amazon](#). Especially you should read the [Getting Started Guide](#) to know how to manage CloudFront distributions.

CloudFront integration is available in UVG since 3.0.5, to use it is quite simple, at first, use CloudFront Manager to create a distribution for your bucket, you'll get a distribution name.

Then locate /DesktopModules/UltraVideoGallery/Texts/CloudFront.txt on your website, open it with a text editor, simply map your bucket name and distribution name like this:

Bucket Name -> Disctrubution Name

If you have 2 buckets, the 1st bucket is "uvgvideos", the corresponding distribution name is "d1vrk8tesw8yga", the 2nd bucket is "uvgvideos_subportal", the corresponding distribution name is "d3kro2xelq3oql", your CloudFront.txt should looks like this:

uvgvideos -> d1vrk8tesw8yga

uvgvideos_subportal -> d3kro2xelq3oql

Since Amazon's CloudFront feature supports RTMP protocol, you also can make it look like this to

benefit from this feature:

uvgvideos -> rtmp://d1vrk8tesw8yga.cloudfront.net

uvgvideos_subportal -> rtmp://d3kro2xelq3oql.cloudfront.net

Save changes and run Restart Application in Host Settings, then UVG will redirect http request to your amazon bucket to CloudFront distribution.

Integrate with other products

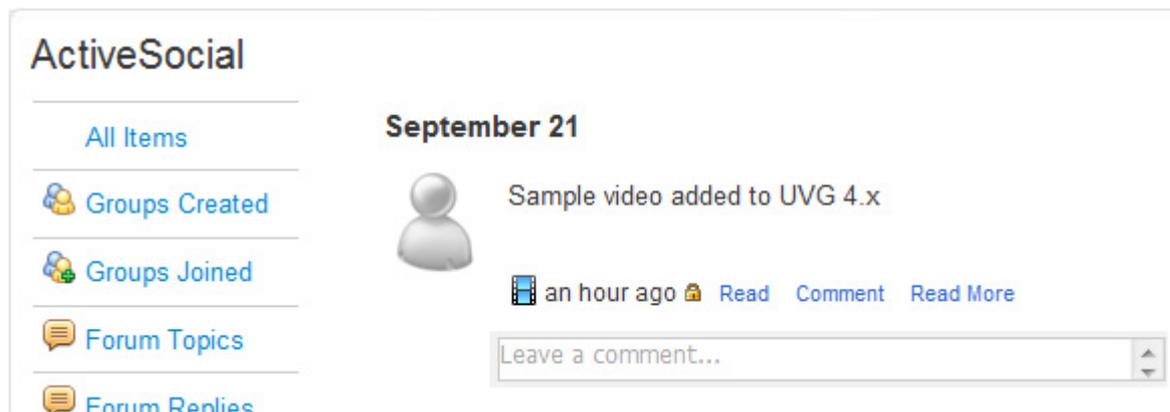
Notify Active Social when add a video

UVG 4.x is able to notify Active Social 1.8+ when a new video is added, but under default configuration Active Social doesnot show video events in its summary module, you must manually enable it in active social's control panel -> Journal -> Available Journal Types. Then you can click "Videos" in this section to create an access key for UVG.

In UVG side you need to turn on the integration and tell UVG the access key, related settings can be done in UVG_Configurations module:

Video Encoding	Permissions	Tab & Profile	Youtube	Other Options	About
<input type="checkbox"/> Always skip the first step of Add Video wizard <input type="checkbox"/> Login before reporting a video as inappropriate <input type="checkbox"/> Login before rating a video <input type="checkbox"/> Videos posted by normal users need to be approved <input checked="" type="checkbox"/> Notify moderators when there is a video pending for approval <input type="checkbox"/> Upload quota applied <input type="checkbox"/> Integrate with SmartThinker Story Feed, DONOT choose this option if story feed is not installed <input checked="" type="checkbox"/> Integrate with active social 1.8+, my access key is: <input type="text" value="f413a541-081f-4739-8f6b-f936bfc00a"/>					
Save <input type="text" value="5"/> latest watched videos in client cookie UVG is able to create animated GIF screenshots for uploaded videos, the maximum frames is <input type="text" value="5"/>					

Then once a new video is added you can see it in active social like this:



Notify StoryFeed when add a video

Similar to active social integration, UVG is able to notify SmartThinker StoryFeed when a new video is added. The setting option is right above active social integration.

Integrate with profile modules

There are numerous user profile modules in the market, since I only have a trial version of Smart-Thinker's profile module, let me demonstrate how to integrate UVG with it, it should be

similar if you use other products.

Smart-Thinker Profile module allows you to build a user directory, when click a user in the directory you can see the profile of this user. The URL of the user directory page looks like this:

<http://localhost/dnn450/userdirectory/tabid/63/default.aspx>

The URL of a typical user profile looks like this:

<http://localhost/dnn450/userdirectory/tabid/64/id/2/default.aspx>

id = 2 is the parameter used by this profile module to pass user id, now I would like to link the video author in UVG_VideoInformation module to its profile when watch a video.

The output of UVG_VideoInformation is fully determined by display template, located in /DesktopModules/UltraVideoGallery/Texts/VideoInformation.txt, open this file, you can find this tag:

[AVATAR:50]

This tag will be replaced by the avatar of the video author in run time, with the max width of 50, now you can change it to:

```
<a href='/dnn450/userdirectory/tabid/64/id/[AUTHORID]/default.aspx'>[AVATAR:50]</a>
```

Save changes and watch a video again, now you can click the avatar to see this user's profile.

Integrate with Active Forums

When you browse a thread in Active Forums, you can click one's name to see his profile, the url looks like this:

<http://localhost/dnn450/Support/tabid/55/view/profile/uid/1/Default.aspx>

As you can see, this product use uid parameter to pass user id, now I would like to create a link to user profiles in UVG_VideoList module.

Click Module Settings in UVG_VideoList, in the default display template you can find this text part:

From: [AUTHOR]

You just need to change it to:

```
From: <a href='/dnn450/tabid/55/view/profile/uid/[AUTHORID]/Default.aspx'>[AUTHOR]</a>
```

Then clicking author name in UVG_VideoList will take you to its profile.

Integrate with Private Messages

Private Messages allows site users to send a message to another user in current portal, it is a good idea to allow site visitors to directly send a message to the author of a video without exposing one's email address, isn't it?

Let's see a typical url when send a private message:

<http://localhost/dnn450/Inbox/tabid/118/pmttype/Compose/SendTo/1/Default.aspx>

Ok, smart guys already found SendTo parameter is used to pass user id, now you can go ahead to edit your display templates.

Integrate UVG in other modules

UVG_FreeVideoList can be used together with other modules, when you view ones profile you can see videos in UVG created by this user.

For example, to integrate it with Smart-Thinker profile module, you should add UVG_FreeVideoList to the user profile page, ensure 1st list type is set to Profile Integration, and 2nd list type is empty.

First List Type **Profile integration**, Integrate with your profile modules, user key in right side must be properly set

Then you must ensure User Key is set to "id", that's all.

User Key

Work with other video formats

The video encoding engine in UVG can serve a lot of video formats, even that are not publicly advertised, for example: VCD video with .dat extension and High Definition video with .ts extension

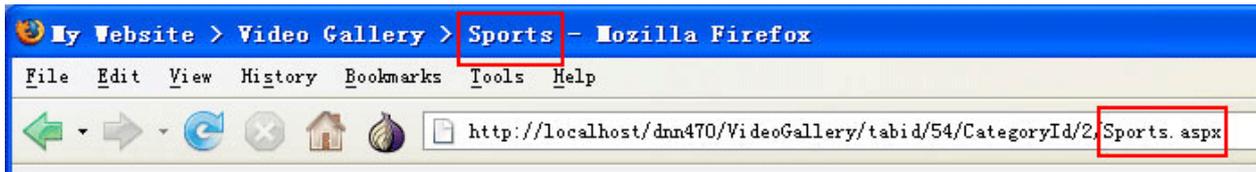
You can try to upload your video in other formats to see whether it can be supported by UVG, however, you must allow this kind of extension in Host Settings before upload it. For example, if you want to upload a VCD video, please login with host and ensure .dat extension is included in Host Settings -> Advanced Settings -> Other Settings -> File Upload Extensions box.

Search engine optimization

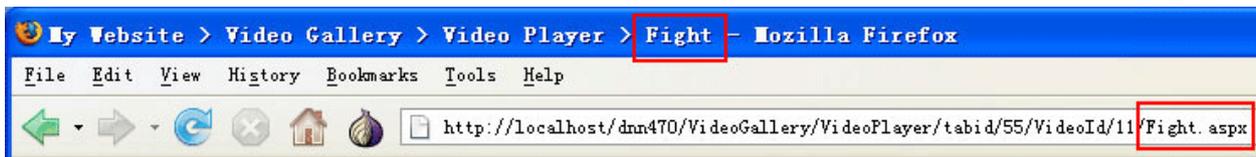
UVG is specially optimized for search engines in many ways.

To benefit from this, please ensure Friendly Url is enabled in your website, you can find this option from Host Settings -> Advanced Settings -> Friendly Url Settings.

Try to click a category in UVG_CategoryList module, UVG redirects you to the video list page, let's see what happened in your browser address bar:



The category is appended to address bar and window title. Now click a video to watch it:



You can see the video title is also appended to page title and aspx script name, beside that, in the html source you can found these meta tags:

```
<meta id="MetaDescription" name="DESCRIPTION" content="Fight between a man and a security guard" />
```

```
<meta id="MetaKeywords" name="KEYWORDS" content="DotNetNuke,DNN, fight" />
```

Words in red are video description and tags, UVG automatically add them to the html output.

In default, UVG adds video title to the end of the page title, if this is not what you want, you can change it by creating a customized template file.

To do this, create VideoPlayerTitle.txt in \DesktopModules\UltraVideoGallery\Texts folder, and use below tokens to template it:

[CURRENTTITLE] – current page title

[VIDEOTITLE] – video title

[CATEGORY] – belonged category

[TABNAME] – current tab name

[PORTALNAME] – portal name

For example, you can write it in this way:

```
[VIDEOTITLE] - [CATEGORY] - [TABNAME] :: [PORTALNAME]
```

With these optimizations you can expect to get a better search result on Google and other search engines.

Localization guide

UVG support complete localization, to localize it please follow these steps.

Localize language resource file for .net controls

like other DNN modules, the language resources for .net controls are saved in App_LocalResources folder, please refer to DotNetNuke manual for detailed information about how to localize them.

Localize language resource file for flash player

in /DekstopModules/UltraVideoGallery/Swf_Resource folder, you can find a xml file named "uvg.swf.xml", this file is the resource file used by our flash player, please make a copy it, and rename the copied version to uvg.swf.<your locale>.xml, for example, if you use German you should rename it to uvg.swf.de-DE.xml, then open this file in an xml or text editor, you can find a lot of key=value pairs, just translate all values to your own language.

Localize javascript library

in /DekstopModules/UltraVideoGallery/Scripts folder, you can find UploadProgress.js, this is the javascript used to display the file upload progress, please make a copy of it, append your locale to its file name like UploadProgress.de-DE.js, then edit it with a text editor, you can see some text strings are defined as variants in the top of the file, just translate them to your own language is ok.

Having localized UVG, you can find a button to share your work in UVG_Configurations module:



Installed Language Packs: German (Germany) [Share](#)

Click the Share button to share it, UVG pack your language resource files to a zip file and send to service@bizmodules.net by email, we appreciate your participation.

Audio gallery

Besides video files, UVG can serve mp3 audio as well.

At first, you should enable mp3 file extension in the last step of the configuration wizard.

Then try to upload an mp3 audio to UVG, UVG save it in original mp3 format but there is no screenshot since there is no video stream in mp3, when try to watch an mp3 audio, you won't see classic UVG video player, instead, a new designed audio player is launched to play selected audio.

Delian



You can enter the lyric of your mp3 audio in video description field, our audio player scroll the lyric from bottom to top repeatedly, hover your mouse on any word to pause it.

You can change the color scheme of the audio player manually; the configurations are all saved in portal root/UltraVideoGallery/ConfigurationMp3.xml.

The audio player doesn't support video series, so don't include your audio in any series when add it, it won't work as you expected.

Flash movie(.swf) gallery

When add video from embed code, you can use anything as embed code, if you have some basic HTML skills you can use HTML <OBJECT> tag to embed a flash movie(.swf), however this may be hard to use, in UVG 3 you can directly upload a flash movie in UVG_AddVideo module.

In the last of step of UVG Configuration Wizard you can select allowed file formats, since flash movie doesn't need to be encoded to flv format, you can select swf no matter you pass the permission check or not.

mpe mpeg mpg
 rmvb swf wm
 vob

Ensure swf is in your allowed list, select “**Upload a video from my local computer**” in UVG_AddVideo module and upload your swf, it will be accepted by UVG but it won't have a screenshot.

One thing you should remember is, UVG saves your swf on server disk, and generate a piece of html code to embed it, if you try to edit it after upload you will see it is actually an embedded video. When you watch it you won't see UVG video player, UVG just directly output its embed code.

Video player frame

Before reading this chapter please be aware video player frame is implemented by **Background commercial**, so it works in UVG Professional Edition only, for further information please refer to **Commercial & Advertisement** chapter.

UVG allows you to create a frame to warp your video player, at first let's see an example:

Flower - High Definition video in TS format



It looks like this video is being played in a Sony Bravia TV, to implement it on your site please follow below steps.

Prepare frame picture

At first, you should prepare your frame picture, the bravia example in above screenshot can be located in `/Desktopmodules/UltraVideoGallery/images/BRAVIA_W4000_Series_1.jpg`, you can refer to it and create your own frame.

The frame picture must be symmetrical in horizontal direction, because UVG always align the video content in the center of the stage horizontally.

Setup background commercial

Secondly, you should setup a new background commercial in UVG_Commercial module, enter your frame picture url in **File Url** textbox, if you want to use this frame for ever, you should set it to be

never expire.

One thing you should remember is, since the frame commercial need to be picked everytime, you can't use any other **Background** commercials.

Configure UVG video player

At last, you should run **Module Settings** in UVG_Player to adjust video player size, if you use the sample bravia picture, you should set **gallery size** to **583 x 430** which is the size of the picture, then manage to find out the size of the TV screen area: 536 x 302, since the control bar in UVG video player takes **25** pixels of height, you should set **player size** to **536 x 277**. you also can set player size to 536 x 302 so the video content takes the whole place of the TV screen area, but in this case UVG control bar overlaps on the Sony logo.

Then you should manually open **\$portal root/UltraVideoGallery/Configuration.xml**, and adjust the **playerY** attribute, this attribute dictates the vertical coordinate of the video player in the stage, if you use bravia picture you should set it to 23, you can safely add this attribute if it doesn't exist.

Restart your website after setting a new playerY value.

Videos in series

When watch a video in series, UVG displays a menu bar in the bottom of the player, it may overlap on the bottom area of your frame picture, to fix this problem you need 2 gallery size options, one for individual videos, and one for videos in series.

Assume you use the bravia frame, you can set gallery size to 583 x 430 for single video, and 583 x 480 for videos in series, the additional 50 pixels ensures the menu bar doesn't overlap on the TV base.

To do this, please login to your site by FTP, rename **VideoPlayerSettings.ascx** in UVG folder to VideoPlayerSettings_single.ascx, and rename VideoPlayerSettings_Series.ascx to VideoPlayerSettings.ascx, then you can find the new option in UVG_Video settings.

UVG Converter

Overview

UVG Converter is the client tool for Ultra Video Gallery, in version 1.x and 2.x, it's designed as a complementary tool for users who are not able to pass the permission check, since version 3 it's fully redesigned and redeveloped. We suggest you to use it even you are able to pass the permission check because it's powerful and easy to use.

Click [here](#) to download it, please note UVG Converter depends on .NET framework 2.0+ support, if it isn't installed on your computer you will be required to install it before UVG Converter.

Run it after successful installation, UVG Converter minimize to system tray like this:



UVG Converter doesn't have a main window; all functions are available through its right mouse menu:



Register your website

Before using UVG Converter, you should register your website first, so UVG Converter know where to upload your videos.

Right click UVG Converter icon -> Websites... -> Edit "My Website", you will get the edit website window

Enter your site domain in the 1st text box, the portal drop down list refreshes to list all portals existed in this DNN website, if your site url is incorrect you will get an empty portal list.

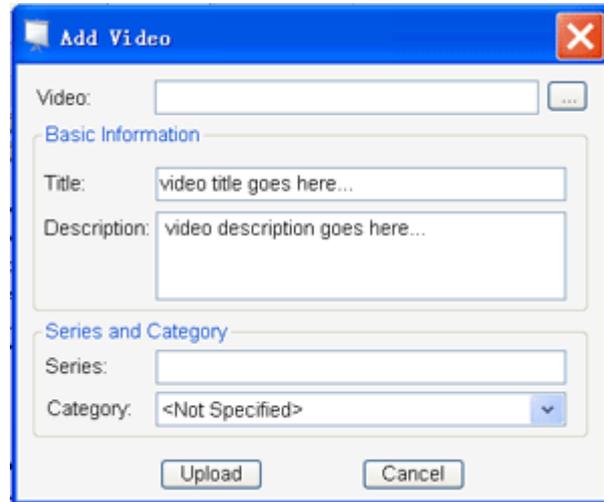
User name, password are login credentials on your website, it can be either a host account or normal user account, as long as this account have the permission to add videos on the specified portal is ok.

You can register multiple websites in UVG Converter, but only 1 website is active, click your website name in right mouse menu -> Websites... to pick it as the active one. A checked icon is displayed beside active item.

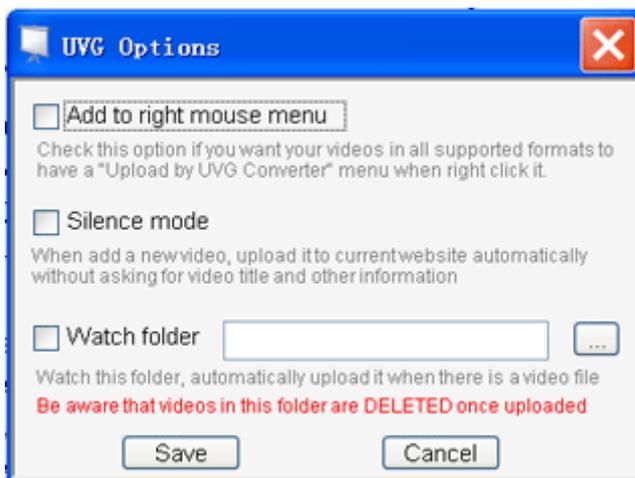
Add videos

Click **Add Video** from UVG Converter right mouse menu to add a video:

Select a valid video file, enter necessary information to describe your video and press upload button, UVG Converter encode selected video to flv or(and) H264 format, capture screenshot from it, and upload to your remote site, encoded videos are divided to multiple parts and get uploaded piece by piece, so in most case you are able to upload videos in any length successfully without a timeout error.



Another reason to use UVG Converter is the upload speed, assume you have a 100mb video to upload, and your encoding strategy set in UVG_Configurations module is flv only, if you upload it directly in UVG_AddVideo module it make take more than 20 minutes with a fast internet connection, and maybe 3 extra minutes to encode it, the total time cost is 23 minutes, however, if you upload it by UVG Converter, the source video is encoded to flv or(and) mp4 format before upload, in most case flv video have much less size than the original video, let's say the encoded flv video is only 20mb, so it can be uploaded in only 5 minutes, the total time cost is 5+3 =8 minutes.



In windows system, when right click a file in resource manager you will see a menu to perform common tasks with this file, would you like to add a “Upload by UVG Converter” menu to supported video formats?

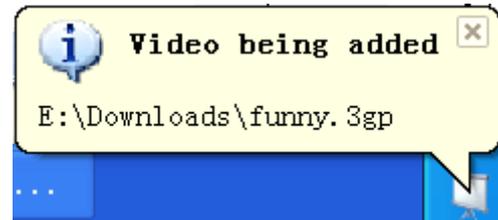
This can be done, right click UVG Converter icon and select Options. Check **Add to right mouse menu** and save changes, then try to right click a video file in resource manager to see what happens.



Advanced features

In Options screen you can find **Silence mode** and **Watch folder** option. You can set a folder on your local disk as watch folder, as long as a new video is placed in this folder – no matter it's placed manually by your self or a program - UVG Converter Add video window appears asking you to add this video.

When Silence mode is enabled, UVG Converter Add video window doesn't appear when there is a new video in watch folder, but UVG Converter add this video to your website without asking you, you get notification in the system tray like this:



The video file name is used as video title, but video description and other fields are empty in this case, you can leave it alone, or visit your site sometime to change it.



Real Player

With the latest version of Real Player, you can download video clips from almost ALL flash video players on internet, it attach a toolbar like this  above the player, if you use real player together with UVG Converter you will find it's extremely useful.

In default, real player save downloaded videos in **My Documents\My Videos\RealPlayer Downloads**, you can set this folder as watch folder in UVG Converter, and turn on Silence mode, then as long as you find a good video on internet, you can hover your mouse on it, click "Download this video" link, after the video is downloaded to your local computer, UVG Converter automatically upload it to your DNN website and it appears in your video listing modules.

Important notice

UVG Converter and UVG have no idea about the copyright issue of your videos, please ensure you are authorized to use videos downloaded from internet.