





- Highly Flexible and Scalable with 16, 32, 64, 128 channel versions
- Live view, playback, record, backup from multiple network cameras and video servers.
- Scheduled, Event-driven, Motion Detection & Forced recording
- Supports up to 160TB total hard drive space with multiple drives
- Control Pan/Tilt/Zoom functions Remotely
- Supports up to 3 MegaPixel cameras
- H.264 & MJPEG & MPEG-4 Streaming
- Microsoft Windows Based Software
- Multi vendor integration with Arecont, Axis, ACTi, Vivotek, and many more!



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1. About EN-V-R

This User's manual explains how to set up EN-V-R software in your PC. EN-V-R is the integrated system software for video security applications, which runs on Microsoft's Windows-based computers.Some of major features of EN-V-Rare listed below.

- Provides main features of Live view, Playback, Record, Backup
- Event, motion, scheduled recording & conditional playback
- Motion-JPEG, MPEG-4, H.264 stream supported
- Supports various vendors' IP devices for recording and retransmission of video, voice, and data
- Supports Megapixel cameras (up to 3M pixels)
- Users can connect to EN-V-R on web browsers to access live video, voice, and data, and search for video to play back
- Up to 128 channels supported for cameras

Note: A product-key is required for proper installation of EN-V-R program. You can still install EN-V-R in 10-working day trial mode if a product-key is not entered during installation.



2. Requirements for Installation

2.1. EN-V-R Versions

EN-V-R is supplied to customers in different versions for each appropriate application. Users will need to choose the right versions for their needs.

Version Types	Regist er Chann els	Time Restricti on	Recordi ng Channe ls	Retransmiss ion Streams	Supp ort Other vendo rs	Max Recodi ng Capaci ty
Evaluatio n	128	10 days	128	256	Yes	160 TB
Free	16	N/A	16	64	No	160 TB
	9	N/A	9	36	Yes	160 TB
	16	N/A	16	64	Yes	160 TB
Multiven dor	32	N/A	32	128	Yes	160 TB
	64	N/A	64	256	Yes	160 TB
	128	N/A	128	512	Yes	160 TB

2.2. System Requirement for PC

For best quality and performance, your computer needs to meet the minimum requirement as below.

 Microsoft Windows XP Pro, Windows 7 Pro or higher, Video Card(256MB Ram, 1024x768 or higher)

Compression	# of Channels	Resolution	Recommended CPU	Memory
	16 Channels	D1	Intel Core2Duo T5200	1.0GB
		720P	Intel Core2Duo E7550	1.5GB
		1080P	Intel Core i-5-2500S	2.0GB
	32 channels	D1	Intel Core2Duo E6700	1.0GB
H 264		720P	Intel Core i-5 750	2.0GB
11.204		1080P	Intel Core i-7 970	4.0GB
		D1	Intel Core i-5 661	1.5GB
	64 channels 128	720P	Intel Xeon X5660	4.0GB
		1080P	Intel Xeon X5680 Dual CPU	4.0GB
		D1	Intel Xeon X5507 Dual CPU	4.0GB

	channels	720P	Intel Xeon X5670 Dual CPU	6.0GB
		1080P	Intel Xeon E7-4850 Dual CPU	6.0GB
	16 Channels	D1	Intel Core2Duo E6700	1.0GB
		720P	Intel Core i-5 460M	1.5GB
		1080P	Intel Core i-5 -2500	3.0GB
	32 channels	D1	Intel Core i-5 661	1.5GB
		720P	Intel Core i-5 -2400S	2.0GB
Motion IDEC		1080P	Intel Xeon X5590 Dual CPU	4.0GB
Motion-Jr EG	64 channels	D1	Intel Core i-5 -2500	3.0GB
		720P	Intel Xeon X5550 Dual CPU	4.0GB
		1080P	Intel Xeon E7-4850 Dual CPU	6.0GB
	122	D1	Intel Xeon X5687 Dual CPU	4.0GB
	128 channels	720P	Intel Xeon X5690 Dual CPU	6.0GB
	channels	1080P	Intel Xeon E7-4850 Dual CPU	6.0GB

Note: Above PC requirements are based on running EN-V-R program only. If other software needs to run along with EN-V-R at the same time, you may need additional performance level for your PC. It is recommended to check actual performance and disk capacity before selecting a PC for EN-V-R.

3. Installing EN-V-R



After downloading/ EN-V-R, double click EN-V-R Setup icon to start installation. The following window will be displayed on the screen. Before installing, check the version of the EN-V-R which is shown on the window.

You may encounter following security warning. To continue installing the program, click **Yes** button.



Then select language for installation.

August .	Please select a language.	
	English	~

You will see the below window, then click **Next** button.



The default location for installation is **C:\Program Files\Vitek**. It is recommended to install in this folder, but if you want to change it to another location, click **Browse** button to choose a proper path.

Now click **Install** button.

G Smart NVR VT 1.2.0.6 SV_Lite_16Ch Setup	×
Choose Install Location Choose the folder in which to install Smart NVR VT 1.2.0.6 SV_Lite_16Ch.	
Setup will install Smart NVR VT 1.2.0.6 SV Lite_16Ch in the following folder. T different folder, dick Browse and select another folder. Click Install to start th	'o install in a ne installation.
Destination Folder C: Program Files (x86) VITEK\Smart NVR\ B	rowse
Space required: 33.3MB Space available: 299.8GB	
Nullsoft Install System v2.46	Cancel

You will see the progress of copying install files to the hard drive as shown below, once is completed click on NEXT.

G Smart NVR VT 1.2.0.6 SV_Lite_16Ch Setup	
Installing Please wait while Smart NVR VT 1.2.0.6 SV_Lite_16Ch is being installed.	
MetaControl service install	
Nullsoft Install System v2.46	
< Back Next >	Cancel

Click Finish to complete the Installation.



After installing EN-V-R programfor the first time, it needs to be configured before use, so it automatically executes the configuration program, which is called **EN-V-R Configurator**.

ENVI Series EN-V-R



Enter the proper Admin Password. The default password is root.

The following screen will be displayed, click OK to continue.



Now you will see **EN-V-R Configurator** window on the screen.

Smart NVR Configurator	
Smart NVR Configurator	
	Description
	1. To receive video and other data, register IP-Device.
	2. The video and other data is used to re-transmit, record, search, and playaback.
	3. To manage, register user and allow authority.
	4. Setup disk space to manage recording data.
	5. Supports Management toll such as Log.
	4 M
	Apply Close

To use EN-V-R Configurator program, please see Section 6**Starting EN-V-R Configurator** section.

4. Uninstalling EN-V-R

4.1. Closing Active EN-V-R

If you need to uninstall EN-V-R, first you need to make sure EN-V-R program is not running on your computer by checking the system icon. As you see on the following picture, you can easily find out if EN-V-R service running.



If EN-V-R is not running, you can go ahead to next section of uninstalling the program. If EN-V-R is active, place the mouse pointer on the EN-V-R icon, and click the right mouse button. You'll see the pop-up menu. Select **Exit**.



Then the EN-V-R icon disappears, and you know that EN-V-R is no longer running on your computer. Now you're ready to start uninstalling.

4.2. Executing Uninstaller

To start uninstalling, click **Start >All Programs >Vitek>EN-V-R>Uninstall**.



When the following window appears, click**YES** button.



The progress of uninstalling is displayed.

Smart NVR VT 1.2.0.6 SV_Lite_16Ch Uninstall	
Uninstalling Please wait while Smart NVR VT 1.2.0.6 SV_Lite_16Ch is being uninstalled.	8
Smart NVR service stop	
Nulleaft Testall Sustance v2.46	
Close	Cancel

After all the install files are deleted, the following window will be displayed. Click **OK** button on the following window to complete the uninstalling.



5. Components of EN-V-R Program

EN-V-Rconsists of three programs, (*EN-V-R Service, EN-V-RConfigurator, and EN-V-R Controller*).

5.1. EN-V-R Configurator

EN-V-R Configurator is used to set up various parameters and conditions of EN-V-R Service. Users can register, modify, and delete IP devices and users with this program. It also provides configuring tools for recording, alarm, event, and other functions.

5.2. EN-V-R Service

EN-V-R program is a Windows service and runs in a background mode, which means that it is not shown on the Windows desktop. EN-V-R receives video, audio, alarm, even data from IP devices over the network, and then it can record the data on the hard drive or retransmit to users. Starting, terminating and restarting of EN-V-R program can be done by using EN-V-RConfiguration or EN-V-R Controller.

5.3. EN-V-R Controller

EN-V-R Controller program is used to start or stop the EN-V-R service.

5.4. EN-V-R System Tray Menu

After you finish installing EN-V-R, you will find the EN-V-R icon on the system tray, which is located right, bottom part of the Windows desktop.



Move the cursor overthe icon, and right click. The following pop-up menu will shown. You can open EN-V-R Configurator or EN-V-R Controller program from this menu, or you can go to the Home page of the EN-V-R program for live view or playback.



6. Starting EN-V-R Configurator

EN-V-R Configurator starts automatically right after installation is completed, you may also click the EN-V-R icon on the Windows desktop.



If EN-V-R program is already running in background, you may also select the EN-V-R icon on the system tray by clicking right button of the mouse.

Go Home
Open Smart NVR Configurator
Open Smart NVR Controller
Open Disconnect backup
Exit

You may encounter the security window as below. Click **Yes** button to continue.



Once EN-V-R program starts, a log-in window will be displayed as below. Type in the proper admin password and click the **OK** button. The default admin / password is **root**.

Smart NVR Configurator			
Type Admin Password	1		
		ОК	Cancel

Now EN-V-R Configurator window will be displayed.

Smart NVR Configurator	
k 1 1 6 r = 9 1 0	
Configuration Configuration JP-Device, Camera Management User Management Disk Setup Disk Setup Disk Quota Disk Mode C Utilities	
	Description
	1. To receive video and other data, register IP-Device.
	2. The video and other data is used to re-transmit, record, search, and playaback.
	3. To manage, register user and allow authority.
	4. Setup disk space to manage recording data.
	5. Supports Management toll such as Log.
	· · · · · · · · · · · · · · · · · · ·
	Apply Close

7. Quick Start Guide

EN-V-R is full-functioning Network Video Recorder software that runs on your PC. When started for the first time after EN-V-R is installed, there is no IP devices connected.

To add a camera to the EN-V-R you must **register** the camera first.Then EN-V-R knows what IP devices they are, how to connect to them, and how to use them. That way, you will be able to control EN-V-R for recording, live viewing, etc.

7.1. EN-V-RConfigurator User Interface

The following picture shows the main window of EN-V-R Configurator program.

Smart NVR Configurator									
x 1 4 6 r = 9 1	1 🕖 A								
Configuration System, Network Configuration IP-Device, Camera Management User Management Disk Setup Disk Quota Disk Mode	 This catego Smart NVR Under man Under manual Under auto Modification Deletion of Internet External 	ory is to register an supports various v ual mode, all detai mode, working co matic mode, Smai n of registered IP-1 registered IP-Dev cplorer is required	nd manage IP-D vendor's IP cam ls of IP device n notition of IP de rt NVR searches device is support ice is supported to access home	evices. eras. ieed to be ma ivvice doesn't a available netv ted. page	nually ente ffect to reg vork device:	red. gisteration s.	С		,
В	<u> 19</u> 20 2	s 🖄 🌫	D						
	IP-Device Id	IP-Device Name	IP Address	HTTP Port	Vendor	Model	UAR	User	Cam
			E						
	•								•
						F Apply		G Clos	e

	Items	Descriptions
А	Main Toolbar	Frequently-used menu items are shown on this toolbar.
В	Configuration Tree Menu	Configurable categories are shown as a tree menu style.
С	Configuration Menu Description	Descriptions and usages of the selected category are displayed.
D	Sub-Menu Toolbar	Menu items for the selected category are shown. (Note: This toolbar is displayed only when any top menu item is selected from the tree menu.)
Е	Device List	IP cameras Information
F	Apply Button	Click this button to apply the changed values.
G	Close Button	Click this button to exit EN-V-R Configurator program.

7.2. Searching for IP Devices

Click the first button on the Main Toolbar.



You are now given a choice to register the IP devices by "search and register or manually". To make it easy, choose **Search and register IP-Device** in this stage, and click **Next** button.

IP-Device Register Wizard	
Search and register IP-Device Register IP-Device manually	Next Cancel

On the following window, click **Scan** button.

Scaning IP-Device						
* Explanations for * "Scan" button v * Select AN item * To register, dou * Register dialog v * You must regist	registering IP devices will search IP devices and click "Go Home" uble click an item or d will pop up and fill out ter manually when reg	s and display results. button to access product i rag multiple items click "Re : information pister another NVR or Smai	homepage. gister" button. tNVR.			
Vendor	Model	Name	MAC Address	IP Address	HTTP Port	
			Clear	Scan	Go Home Register	Close

The searching for IP devices is started. As the detected IP devices are being listed. Wait until searching is finished. If you click **Cancel** button in the middle of searching, the EN-V-R will retain only the IP devices found until that moment.

Scaning IP-Device						<u> </u>
* Explanations for i * "Scan" button w * Select AN item a * To register, doul * Register dialog w * You must registe	registering IP devices ill search IP devices an and click "Go Home" bu ble click an item or dra rill pop up and fill out ir er manually when regis	d display results. Itton to access product ho g multiple items click "Regis iformation ter another NVR or Smarth	mepage. ster" button. IVR.			
Vendor	Model	Name	MAC Address	IP Address	HTTP Port	
VITEK VITEK	VTD-13FN VTD-13FN	Search Count :	2	Ca	ncel	
			Clear	Scan	Go Home Register	Close

7.3. Registering IP Devices

After scanning is finished, you have a list of IP devices found on your network. Next step is registering them. Double click the IP device you want to registeror you may highlight it and then click **Register** button. In this example, the first one is chosen to register.

Scaning IP-Device						
* Explanations for regist * "Scan" button will sea * Select AN item and cl * To register, double cl * Register dialog will po * You must register ma	tering IP devices arch IP devices and dis ick "Go Home" button ick an item or drag mu p up and fill out inform nually when register a	play resuits. I to access product homepage Iltiple items click "Register" but nation Inother NVR or SmartNVR.	ton.			
Vendor	Model	Name	MAC Address	IP Address	HTTP Port	
VITEK	VTD-13FN	Network Video System	1c7c45020012	10.0.0.254	80	
VITEK	VTD-13FN	hector Test	1c7c4502003e	10.0.253	80	
			Clear	Scan Go	Home Registe	r Close

The next window shows up and it's for entering the network parameters and camera resolutions of the IP device you've chosen. You may need to enter the **Login ID** and **Password** here. Click **Save** to finish registering it.

Registering New IP-Device			_ O X	
Inputting IP-Device inform	nation			
	IP-Device ID	10	▼	
	Vendor	VITEK	_	
	Model	2 Channel Model	-	
	Name	Network Video Syster	n	
	IP Address	10.0.254		
	Input IP Address Range			
Getting I	formation from IP-Device	(May take several	minutes)	
-	VS Module ID		-	
	HTTP Port	90		
		55		
	RTSP Port	554		
	Login ID	root		
	Login Password	••••		
	Confirm Password	••••		
Checking available resolut	ion			
QCIF (QQVGA)	176 X 144 ~ 160 X	🗷 CIF (QVGA)	352 X 288 ~ 320 X	
Half D1 (Half VGA)	704 X 288 ~ 640 X	🗷 D1 (VGA)	704 X 576 ~ 640 X	
SVGA	800 X 600 ~ 720 X	XGA	1024 X 768	
HD720 (720P)	1280 X 720	SXGA	1280 X 1024	
UXGA	1600 X 1200	HD1080(1080P)	1920 X 1080	
Checking available PTZ ca	meras			
Camera1	Camera2	Camera3	Camera4	
			Save Cancel	

Click on Save after configuring IP device (camera)

Registering New IP-Device				- O X	
⊂ Inputting IP-Device inform	nation				
	IP-Device ID	10	10 -		
	Vendor	VITEK	-		
	Model	2 Channel Model	-		
	Name	Network Video System	m		
	IP Address	10.0.0.254			
	Input ID Address Papae				
0.000	Input IP Address Kange	~			
Getting Ir	ntormation from IP-Device	(May take several	minutes)		
	VS Module ID	0	•		
	HTTP Port	80			
	RTSP Port	554			
	Login ID	root			
	Login Password	••••			
	Confirm Password	••••			
	176 X 144 or 160 X		352 X 288 at 320 X	,	
	704 X 288 ~ 640 X		704 X 576 ~ 640)	, (
	800 X 600 ~ 720 X	YGA	1024 X 768		
HD720 (720P)	1280 X 720	SXGA	1280 X 1024		
UXGA	1600 X 1200	HD1080(1080P)	1920 X 1080		
Checking available PTZ ca	meras				
Camera1	Camera2	Camera3	Camera4		
			Save	Cancel	

Click Apply after registering one or more IP devices (cameras). The image below represents the configurator with multiple IP devices registered.

Smart NVR Configurator							X
à 1 🖬 🚱 R 🖳 🎙 🌢 🕖							
Configuration System, Network Configuration P-Device, Camera Management O: Brian I: hector Test User Management Disk Setup Disk Setup Disk Quota Disk Mode Vulities	1. This cat 2. Smart N 3. Under m 4. On man 5. Under a 6. Modifica 7. Deletion 8. Internet 4	egory is to register and VR supports various ver nanual mode, all details ual mode, working condu- tomatic mode, Smart tion of registered IP-det of registered IP-Device Explorer is required to """"""""""""""""""""""""""""""""""""	manage IP-Devices. ndor's IP cameras. of IP device need to b dition of IP device doe NVR searches available vice is supported. access homenane	e manually sn't affect t network de	entered. to registeration evices.	,	
	IP-Devic	IP-Device Name	IP Address	HTT	Vendor	Model	UA
	0	Brian	10.0.0.254	80	VITEK	2 Ch	No
	1	hector Test	10.0.0.253	80	VITEK	2 Ch	Nc
	•		III				•
					Apply	Close	

After clicking **Apply**, the program will ask you to confirm it. Clickthan click **OK**

Smart I	VVR Configurator
Appl	y configuration? Service will be restarted.
	OK Cancel

EN-V-R service is being stopped momentarily, and then it will start running again.



7.4. Viewing Live Video

Once the network and cameras are set up, it is necessary to check if EN-V-R is functioning by viewing the live video from those devices.

To view the EN-V-R home page, click the Go NVR Home button on the main toolbar.



Below is an image of the EN-V-R home page.



Click **Live View** on top right part of the window to see the live video from registered IP devices (cameras)



If this is the first time you are usingVitekLive View feature, the web browser may ask you to allow installing of an ActiveX program. Click **Install** to continue.

Home Live View Player	
Auto Active V Centrel Installation	
Auto Actives Control Installation	
If this auto process takes more than 30 seconds, click the below button and install it manually.	
Manual Download	

In some cases there is no response from the web browser, you may need to install the ActiveX manually by clicking**ManualDownload**.

When you see the following security warning, click **Install**.



7.5. Recording Video

The essential feature of EN-V-R is recording the video from IP devices.

Before starting the recording, it is required to prepare the hard drive of your PC where EN-V-R program is running.

Click **Disk Quota** on the Tree Menu.



The hard drive will be ready to start recording video after the progress window is done counting drives. It shows the target drive, total capacity, available size and quota for recording. You are able to change the setting by clicking the first icon of the sub-menu Toolbar.

Smart NVR Configurator								
al 4 6 r = 9 1 0								
Configuration System, Network C	1. Select HD 2. Under Dis 3. You can r 4. To exclud 5. Contents 6. Changes r	1. Select HDD from disk list and click "Register" button 2. Under Disk Quota, set a target value and click "OK" 3. You can modify the size of recording capacity at any time. 4. To exclude HDD from list, click target HDD and click "remove"button 5. Contents in excluded HDD will not be searched 6. Changes will take effect after from next start or click "apply" from service menu						
	Record	Drive	Type	Drive Size	Free Size	Quota Size	Order	
	Recording	C:\	HDD	466 GB	331 GB	20 GB		
	-	D:\	HDD	466 GB	327 GB	0 GB		
	-	F:\	REMOTE	465 GB	69 GB	0 GB		
	-	G:\	REMOTE	465 GB	69 GB	0 GB		
	-	Procressing	count : G:\					
					Apply		Close	

You are able to change the setting by clicking the first icon of the sub-menu Toolbar. Possible Maximum Quota (the available of free space on your HDD) Possible Minimum Quota (the minimum amount required) Set Quota (desired amount of HDD to be use for recording)

•	III		
a a			
Record	Disk Quota		Ord
Recording	Use HDD		
-	Possible Maximum Quota	327	GB
-	Possible Minimum Quota	3	GB
-	Set Quota	20	GB
-		ОК	Cancel

To set up the recording feature, select an IP device from the Tree Menu on the left pane. The device information will be shown on the right pane. Click the button for recording configuration on the sub-menu Toolbar as shown below.

Smart NVR Configurator								
a. 1 🗉 🔗 R 🖳 91 🗅 🕖								
Configuration System, Network Configuration System, Network Configuration DP-Device, Camera Management User Management Dik Setup Dik Setup Dik Quota Dik Quota Dik Mode CUtilities	 This category is for configuring settings of registered IP-Devices. Modify the camera name and information of the registered IP-Device. Change video quality and resolution of the IP-Device. Set a condition of recording. Set Alarm, event, and map service of the registered IP-Device. 						4	
	ra 🖳 🏭	<u> </u>						
	Camera Name	Resolution	Quality	Record	Alarm	Motio	Touring	Preset
	Camera 1	352x288~	Highest	Yes	Yes	No	No	No
	Camera 2	352x288~	Highest	Yes	Yes	No	No	No
						Apply	Cl	ose

Now you will see **Configure Recording Condition** window as below.

ENVI Series EN-V-R

Configure Recording Condition										Σ
 Select camera to configure condition You can select to multi camera Select condition to configure record condition Configure detail schedule and event Click Apply to camera button to apply condition Change record service Pre, Post images Click Apply to camera button to save changed condition 			Configure Recording Cond Input Condition © Use this condition Condition Mode © Always Recording © Recording by sche © Recording by sche © Recording by sche	ition edule only nt only edule and	y I event	C Do not	t use this	conditio	n	
Recording Service	Disable Recordi	ng Service	Day of week Day of week Date Date Levent Alarm Sensor Motion Detection External Input Data		Sun 12/31/: 12/31/: 12/31/:	Mon Tue 1969 2 2 3 	Wed	Thu 12/3 12/3	Fri S	Sat
Pre Alarm Images		0 -								
Pre Alarm Speed		fastest 👻	Camera Name	Con	Cond	lition Name				
POST Alarm Images POST Alarm Speed		0 v fastest v	Camera 1 Camera 1	2	[M1] -					+
amera list								Ap	ply to camera	9
Select Multi Camera	IP-Device Id	IP-Device Name	Camera Name	R	ecording	Condition	1 Cond	lition 2	Condition 3	3 Condit
Camera 1 Camera 2	0	hector Test	Camera 1	E	nable	[M1]	-		-	-
Camera 3 Camera 4	•									,
Unselect All								OK		ancel

The recording feature is already enabled and recording conditions are configured in default settings. In the example shown above, you can see that Camera 1 of Device 0 will record video only when motion is detected. Click**OK** to use this Recording Conditioned.

To change recording condition high light camera 1 under condition list (A)

Select the type of Recording under Condition Mode (B)

If schedule is recording is enabled, the schedule section will be available to configure (C)

If Event is selected the event section will be available to configure (D)

After conditions are selected click **Apply to condition**(E)

After apply to condition click **Apply to camera(F)**

Click **OK** when done.

Configure Recording Condition											_ Σ
 Select camera to configure condition You can select to multi camera Select condition to configure record condition Configure detail schedule and event Click Apply to camera button to apply condition Change record service Pre, Post images Click Apply to camera button to save changed condition Camera 1(Connection established) 			Configure Recording Cond Input Condition © Use this condition Condition Mode Always Recording Recording by sch © Recording by sch © Recording by sch	edule or nt only edule ar	nly nd event	C	Do not	use this	conditio	n	
Recording Service			Schedule Day of week Time Date Event Alarm Sensor Motion Detection External Input Data	C	Sun AM 8 12/18	Mon 2 	Tue V S S S S S S S S S S S S S	Wed ~ ~ 4 	Thu M 12/1	Fri 9	Sat
Enable Recording Service Pre Alarm Images	Disable Recordi	ng Service	Condition list				E		Ap	ply to condit	ion
Pre Alarm Speed		fastest 👻	Camera Name	Con	Con	dition N	lame				A
POST Alarm Images POST Alarm Speed		0 v fastest v	Camera 1 Camera 1 A	1 2	[Mo -	n,Tue,	Wed, Thu	,Fri][08:	00		-
Camera list							F		Ap	ply to camer	а
Select Multi Camera	IP-Device Id	IP-Device Name	Camera Name		Recording	Co	ndition 1	Cond	lition 2	Condition	3 Condit
Camera 1 Camera 2 Camera 3	1	Brian	Camera 1		Enable	[M	lon, Tue.			-	-
Camera 4	•			ш							
onousee hit]								ОК	(Cancel

Now that the configuration is done, you need to start the EN-V-R service program. Select Start > All Programs >Vitek>smart NVR>Smart NVR controller.

You will find the EN-V-R icon on the system tray, which is located right, bottom part of the Windows desktop.



Move the cursor over the icon, and right click. The following pop-up menu will show. You can open EN-V-R Configurator or EN-V-R Controller program from this menu, or you can go to the Home page of the EN-V-R program for live view or playback.

Smart NVR Controller	X
Start or Stop Service	
Current Service State	Service Running
Start Service Stop Service	Refresh Go Home
	Close

You can find it out from this window that the service is running at that moment. If not, click **Start Service** button to make it run. Once EN-V-R service is started, the video sent from the configured camera will be recorded according to the recording condition.

7.6. Overall

This chapter, **Quick Start Guide**, is intended to give you the clear understanding of how EN-V-R can be used. If you have come through up to this stage, you are now pretty much aware of how EN-V-R works in principal. EN-V-R has a lot more features and functionalities than you learned from this chapter. For further detail of using EN-V-R effectively, please read the following chapters thoroughly.

8. ENVI Smart Player

8.1. Introduction

Smart Player is and ActiveX program for Internet Explorer Web browser, which enables users to search and play back recorded video in Network Video Servers and other devices with built-in recording capabilities. The Searching and playback of video is refined by condition, schedule, and event.

Smart Player can be run in SmartNVR network video software for PC and network cameras equipped with microSD card as well as standalone NVR (Network Video Recorder) devices.

8.2. Key Features

- Transformingrecorded video into AVI, FJP&IDX, formats
- Supports Printing of video
- Playing Audio from recorded video
- Group Searching from recorded video
- SupportsFull Screen Mode
- •

8.3. System Requirement for PC

For best quality and performance, your computer needs to meet the minimum requirement.

- OS: Microsoft Windows XP Pro, Windows 7 Pro, Windows 8 PC
- CPU: Intel Pentium 4, 2 GHz (Dual-Core or faster is recommended)
- System RAM: 2GB
- Video Card: 256MB Ram, 1024x768 Resolution
- 100 Mbps Network Adaptor

9. EN-V-R Configuration

9.1. System, Network Configuration

General system and network properties of EN-V-R program can be set up in this section. To start, select **System, Network Configuration** from the menu list.

Smart NVR Configurator			
a 1 4 6 6 4 4 1 0			
Configuration System, Network Configuration UP-Device, Camera Management User Management Disk Setup Disk Quota Disk Mode C Utilities	1. System name is fou 2. Admin password w 3. Full Access means 4. Limited Access me 5. HTTP port is to be 6. You can connect t	r identification in IP Surveilance System. ill be asked when executing configurator. all connected users can use full functions. ans only registered users can use authorized functions used to communicate Smartviewer and Smartplayer. o see Liveview and Playback through IPCCTVDNS. III	Þ
	Configuration	Value	
	System Name	Network Video Recorder	
	Admin Password	****	
	Access Control	Full Access	
	HTTP Port	80	
	IP CCTV DNS	Disable Service (www.ipcctvdns.com)	
	4	Apply	Close

	Items	Descriptions
2;	System Name Setting	Enter the system's name.
22	Set up Admin password	Modify the password for Admin.
3	Access Control	Configure the access privileges of users.
() 	HTTP Port Assign	Assign an HTTP Port for EN-V-R Service.
	Configure IP-CCTV DNS	Configure IP-CCTV DNS for EN-V-R Service

9.1.1. Configuring System name



To name the system, click configuring system name, the following window will be displayed. Change the name as desired.



Items	Descriptions
System name	Type in a System name.
ОК	Click this button to apply the entered System Name.
Cancel	Click this button to discard the configured System name.

9.1.2. System, Network Configuration - Admin password



To assign Password for the admin, click **System, Network Configuration** on the tree menu. Click configure admin password

Configuring admin passwor		
Current password		
New password]
Confirm Password		
(Maximum length is 21 w	ords in English)	
	ОК	Cancel

Items	Descriptions
Current password	Enter the Current password.
New password	Enter a new password to use.
Confirm Password	Enter the new password again to confirm.
ОК	Click this button to apply the changed password.
Cancel	Click this button to discard the change.

9.1.3. System, Network Configuration - Access Control



To configure User Access Control, click **System, Network Configuration** on the tree menu. Click configure access control

	Configuring user authentication Configuring user authentication Full Access (View and control camera audio without limitation) Limited Access (In accordance with user's permission) OK Cancel
Items	Descriptions
Full Access	Set Full Access for the user. Anyone can connect to the EN-V-R without authentication, and be allowed live view, audio, PTZ, playback.
Limited Access	Set Limited Access for the user. Only the users with proper permission to the camera can access it.
ОК	Click this button to apply the change.
Cancel	Click this button to discard the change.

9.1.4. System, Network Configuration - HTTP Port



To configure HTTP port to use, click **System, Network Configuration** on the tree menu. Then click Change HTTP Port

	Configuring HTTP Port
	HTTP Port 80 (Default:80, 80 ~ 65535) For web access, video streaming and playback OK Cancel
Items	Descriptions
HTTP Port	Enter a HTTP Port to use in the EN-V-R Service. (Default is 80)
ОК	Click this button to apply the changed HTTP port number.
Cancel	Click this button to apply discard the changed port number.

Note: If a firewall is enabled in your Windows, you should set the above HTTP port number to be allowed in your computer.

9.1.5. System, Network Configuration–IP CCTV-DNS



To configure IP CCTV-DNS, click **System, Network Configuration** on the tree menu. Click Configure IP-CCTV-DNS

Service :	© Enable Oisal	ble
DNS Server IP :	www.ipcctvdns.com	Go Server
MAC :	001aa094599e	
Product key :	61c07947	
External Port :	80	
Regisgter verify :	connection Tes	

Items	Descriptions
Service	Set to use IP CCTV DNS or not.
DNS Server IP	Vitek IP CCTV DNS address already entered.
Go Server	Directs to Vitek IP CCTV DNS server
MAC	MAC address of EN-V-R already entered
Product Key	Product Key of EN-V-R already entered
External Port	Enter a external HTTP Port to use for IP CCTV DNS service. (Default is 80)
Register verify	Click to test the connection with IP CCTV DNS server after setting is done in IP CCTV DNS server.
ОК	Click this button to apply the changed IP CCTVV DNS settings.
Cancel	Click this button to apply discard the changed IP CCTV DNS settings

9.2. IP-CCTVDNS Registration

To register your camera / server please visit <u>http://www.ipcctvdns.com</u>

	NS	
IP-CCTV DNS Server	IP-CCTV DNS is designed for Dynamic-IP users specially with - IP Camera - NVR (Network Video Recorder) - NVS (Network Video Server)	 User Group ID: Password: Login Sign Up Forgot Your Password? Field Test

If this is your first visit your need to **Sign Up**if you abide by the Agreement, click on "I Agree" than on the NEXT button as shown below.

IP-CCTV DNS Server	
Sign Up	
Agreement	
IP-CCTV DNS Service Agreement	
1. If no access more than three months, IP-CCTV DNS's administrator may delete or edit the registered information at discretion.	
2. By the extension of any new value-added features at IP-CCTV DNS, a few of them may become pay services.	
● I Agree ◎ I do not Agree	
Next	

Fill out the requested information as shown below and click on **Apply**.

	Membership
ID IE 1 (-31 *	
Desword *	
Confirm Password *	
Name *	VITEK
Company	
Telephone *	6612948043
Mobile Phone	6612948043
Address	28492 Cosntellation Rd Valencia CA 91355
Country *	Los Angeles (USA)
Description	

The following screen will confirm that your Membership has been completed successfully, that click **OK**.



You will be brought back to the main page of the IPCCTVDNS website; in this case you need to **Login** with the information previously created.

	NS	
IP-CCTV DNS Server	IP-CCTV DNS is designed for Dynamic-IP users specially with - IP Camera - NVR (Network Video Recorder) - NVS (Network Video Server)	© User © Group ID : Password : Forgot Your Password? Field Test

To register your first product, click on **Product Registration**as shown below.

	DNS	Hector Login	Produc	t Registration	Product L	list	My Info Log C
P	roduct List						
		1	Product List - Simple Inf	ormation		Detail In	formation
Num	Name	Mac Address	External IP	External Por t	Internal IP	Internal Por t	DDNS Host Name
			There is no result.				
		Name -			Search		
	Notice :	Detailed information of produ in the upper right and Editing	ucts are seen by clicking 'De g & deleting product inform	tail Information tion is available	ľ L		

Enter the requested information (The name of your camera, the Mac Address and product Key) as shown below.

	Server Hector Login	Product Registration	Product List	My Info	Log Out
Product Regist	ration				
	Р	roduct Registration			
Name					
Mac Address *					
Product-Key *					
Notice	* Input Product Name up to 30 characters that (If skip, it will be automatically filled with the * Mac Address & Product-Key are mandatory Find the information from - Admin-menu => IP-CCTV DNSTM Set	you prefer. e default model name of the product.) to input. up, OR.			

Note that the Mac Address and the product Key will be available under the Network Configuration>> IP-CCTV DNS setup in the camera menu. Please see image below.

IP-CCTV DNS™ Setup

Service	enable O Disable
DNS Server IP	www.ipcctvdns.com Go
Mac Address	1C7C4502003E
Product-Key	01FBA6C8
IP-CCTV DNS Registration verification	Confirm

A window will pop up confirming that your product has been registered successfully, click on **OK**.



You will be directed to the *Product List* page where you will be able to see your recent camera registration.

ENVI Series EN-V-R

C	IP-CCTV DNS	Hector Login	Product	Registration	n Product Li	st	My Info Log	g Out
Р	roduct List							
]	Product List - Simple Info	rmation		Detail Ir	nformation	
Num	Name	Mac Address	External IP	External Por t	Internal IP	Internal Por t	DDNS Host Name	
1	la	1C7C4502003E	0.0.0.0	0	0.0.0.0	0	fw1c7c4502003e	
	Notice :	Name	<< Previous 1 Next >> ucts are seen by clicking De & deleting product informa	ail Information	Search n' e.			

By clicking the **Detail Information** tab you will be allow edit DDNS Host Name

IP-CCTV DNS	Hector Login	Product Registration	Product List	My Info	Log Out	
Product List						
 Product List - Simple Information Detail Information						

Click Edit to change the DDNS Host Name.

		DNS _{Server}	1	Hector Login		Product Re	gistration	Product Lis	t My lı	ıfo	Log Out	
	Product List											
	Product List - Detail Information Simple Information											
Num	Name	Mac Address	External IP	External Por t	Internal IP	Internal Por t	Last Refresh Time	IP-sharer model	DDNS Host Nam e	System Vers ion	Edit	Del
1	la	1C7C45020 03E	0.0.0.0	0	0.0.0.0	0			1c7c4502003e	0.0	Edit	Del
	<< Previous 1 Next >>											
	Name Search											

Type in desired host name than click **Apply**.

	15 Server	Hector Login	Product Registration	Product List	My Info	Log Out
Product I	nfo					
		Pr	oduct Information			
Name	la					7
DDNS Host Name	vitek1sttest	(Only	lowercase letters, arbic number, '-', and '	_' can be inputted.)		7
Mac_address	1C7C45020	03E				
Apply Back						

A window will pop up asking if you really want to apply the new configurations, to continue click **OK**.

Do you really want to apply for the new configuration?
OK Cancel

A window will pop up confirming that the product information has been modified successfully, click **OK**.



Click under Product List to view your changes

IP-CCTV DNS	, Hector Login	Product Registration	Product List	My Info 1	Log Out			
Product Info								
Product Information								
Name	la							
DDNS Host Name	vitek1sttest (Only lowerca	ase letters, arbic number, '-', and	'_' can be inputted.)					
Mac_address	1C7C4502003E							

Apply Back

Your camera with the new DDNS Host name will be displayed.

	P	DNS Server	Hector Login	Produc	Product Registration		st	My Info Log C	Dut
	Product List								
	Product List - Simple Information Detail Information								
P	Num	Name	Mac Address	External IP External Por Internal IP Internal IP		Internal Por t	DDNS Host Name		
	1	la	1C7C4502003E	0.0.0.0	0	0.0.0.0	0	vitek1sttest	
	<< Previous 1 Next >> Name								

Your camera is now registered and ready for use.



9.3. IP-Device Registration

You will see how to manage IP devices in this section, which includes registering, modifying, and deleting IP devices. To start managing IP devices, select **IP-Device**, **Camera Management** from the menu list.

Smart NVR Configurator						_	X
Smart NVR Configurator	1. This cate 2. Smart N 3. Under m 4. On manu. 5. Under au 6. Modificat 7. Deletion 8. Intermet P-Devic 0	egory is to register and VR supports various ve anual mode, valid etails all mode, working con utomatic mode, Smart ison of registered IP-Oevic Fixed and the second second registered IP-Device Explorer is required tr V Device Name hector Test	I manage IP-Devices. ndor's IP cameras. of IP device need to dition of IP device doo NVR searches available vice is supported. access homenane " IP Address 10.0.0.253	be manually esn't affect t e network de HTT 80	entered. to registeratio evices. Vendor VITEK	n Model 2 Ch	E V No
	٠		III		Apply	Close	•

		Items	Descriptions
A	А	IP-Device Manual Registration	Register IP-Devices manually by users.
2	В	IP-Device Automatic Registration	Scan and register IP-Devices automatically by the program.
25	С	IP-Device Modification	Modify the information of registered IP- Devices.
284	D	IP-Device Deletion	Delete IP-Devices previously registered.
5	E	IP-Device Homepage	Go to the homepage of the IP-Device.
9.3.1. IP-Device Registration (Manual)



To manually register an IP-Device, click IP**-Device, Camera Management** on the tree menu. Click Register IP device manually.

inputting in-Device infor	mation			
	IP-Device IC) A	0	~
	Vendo	r B	VITEK	~
	Mode	I C	4 Channel Model	►
	Name	D	SmartNVR 1	
	IP Address	5 E	10.10.237.120	
	Input IP Address Range	F	0~	
Getting I	nformation from IP-Device	G	May take seve	eral minutes)
	VS Module ID) H	0	~
	HTTP Por	t	80	
	RTSP Por	t J	554	
	Login IC	к	root	
	Login Password	1 L	••••	
	Confirm Password	I M	••••	
hecking available reso	lution			
🗹 QCIF (QQVGA)	176 × 144 ~ 160 ×		CIF (QVGA)	352 × 288 ~ 320 ×
Half D1 (Half VGA)	704 × 288 ~ 640 ×		🗹 D1 (VGA)	704 × 576 ~ 640 ×
SVGA	800 × 600 ~ 720 × C)	XGA	1024×768
HD720 (720P)	1280 X 720		SXGA	1280 × 1024
UXGA	1600 × 1200		QXGA	2048 × 1536
hecking available PTZ	cameras			
Camera1	Camera2 P		Camera3	Camera4

	Item	Description
А	IP-Device ID	Select the IP-Device ID to register.

Vendor

В

VITEK Panasonic MJPG Axis MJPG Mobotix MJPG Vivotek MJPG Vivotek MJPG Arecont MJPG Arecont MJPG Axis MPEG4 Acti Truen H264 Arecont H264 Vivotek MPEG4 AVTech MJPG AVTech MJPG AVTech MJPG AXTech MJPG Axis H264 3S MJPG 3S H264

Select the total number of channels (streams) the IP device has.

Click the pull-down list, and choose proper one from the list.

С	Model	IP-Device ID 1 Vendor VITEK • Model - - 1 Channel Model 2 Channel Model 4 Channel Model		
D	Name	Type in the name of the IP-Device.		
E	IP Address	Type in the IP Address to use with the IP-Device. IPCCTVDNS or URL addresses are also supported. (If Input IP Address Range box is checked, then the starting address of the range will be selected.)		
F	Input IP Address Range	Enter the last IP address of the range.		
G	Getting Information from IP-Device	Check this box if the information from IP-Device needs to be acquired.		
Н	VS Module ID	Select the VS Module ID. Enter 0 for non-Vitek IP devices. Vitek products can be set to 0 to 15, and default is 0.		
Ι	HTTP Port	Enter the HTTP Port to use with the IP-Device. (Default is 80)		

Select the Vendor name of the IP-Device to register. Click the pull-down list, and choose a proper vendor name from the list.

J	RTSP Port	Enter the RTSP Port (Default is 554)
К	Login ID	Type in the Login ID to use. (Default is root)
L	Login Password	Type in the Login Password to use for the Login ID. (Default is root)
М	Confirm Password	Type in the same password to confirm. (Default is root)
0	Checking available resolution	Select the Video Resolution for the device. <i>Not used any more, all resolution is done at camera level</i>
Р	Checking available PTZ camera	Checkboxes to choose if PTZ is supported on the IP device.
Q	ОК	Click this button to apply the configured values.
R	Cancel	Click this button to discard the configured values.

9.3.2. IP-DeviceRegistration (Automatic)



To register an IP-Device by automatic scanning, click **IP-Device, Camera Management** on the tree menu. Then Click Scan available IP devices and register

Explanations for	r registering IP devices						
"Scan" button	will search IP devices and d	isplay results.					
Select AN item	and click "Go Home" butto	n to access product home	page.				
To register, do	uble click an item or drag m	ultiple items click "Register	" button.				
Register dialog	will non up and fill out infor	mation					
You must rogin	tor monuply when register	another NVP or SmarthivP					
rou must regis	ter manually when register	anouler www.or.onaitiwww					
Vendor	Model	Name	MAC Address	IP Address	HTTP Port		
VITEK	VTD-134F	EN-V-R_Test1	00306f0049	10.10.237.51	80		
VITEK	VTD-13V210	EN-V-R_Test2	00306f8119	10.10.237.73	80		
VITEK	VTD-134F	EN-V-R_Test4	00306f8324	10.10.237.120	80		
VITEK	VTD-13V210	EN-V-R_Test5	00306f8324	10.10.237.121	80		
VITEK	VTD-MV13V	EN-V-R_Test6	00306f8324	10.10.237.122	80		Δ
VITEK	VTD-MV20V	EN-V-R_Test7	00306f8324	10.10.237.123	80		~
VITEK	VTD-MV13VR	EN-V-R_Test8	00306f8324	10.10.237.124	80		
VITEK	VTD-MV20VR	EN-V-R_Test9	00306f8324	10.10.237.126	80		
VITEK	VTC-IR4013	EN-V-R_Test10	00306f8323f1	10.10.237.127	80		
VITEK	VTC-IR4020	EN-V-R_Test11	00306f8324	10.10.237.128	80		
VITEK	VT-PTZ220N	EN-V-R_Test12	00306f8323f0	10.10.237.129	80		
VITEK	VTD-134F	EN-V-R_Test13	00306f8324	10.10.237.130	80		
VITEK	VTD-13V210	EN-V-R_Test14	00306f8324	10.10.237.131	80		
			B	C	D	E	F
							1

	Items	Descriptions
A	IP-Device list	This list shows the IP devices found during the scan process. If you need to select multiple IP devices at the same time, drag your mouse over the devices or keep pressing CTRL or SHIFT key while clicking the IP devices.
В	Clear	Clear the scanned IP Devices from the list.
С	Scan	Start scanning for IP Devices on the network.
D	Go Home	Go to the home page of the IP device selected from the list.
Е	Register	Go to the registration window for the IP Device selected.
F	Close	Cancel the registration of the IP device and exit the window.

When you click the **Register** button after selecting more than one IP devices on the scanned device list, the following window will be displayed. You can register those IP devices to your EN-V-R in this window.

Please Resolu R1: 17	tty registered devices e configure model, reso tion Description 16 × 144 ~ 160 × 112	will not appear. Solution and ptz setting R2: 352 × 288 ~ 321 R7: 1280 × 720	with mouse	704×288~640×2	240	R4: 704×57	'6 ~ 64 200	10 × 48	10	R5:8	00×6	00 ~7	20 × 41	30
PTZ Inc PTZ Inc	stall Description	P2: PTZ 2	B P3: F	PTZ 3		P4: PTZ 4	200			F(10.	20407	1000		
IP-D	Namo		IP Address	Model	Login	Login	B1	B2	B3	R4	B5	B6	B7	R8
0	EN-V-R Test1	00306f832439	10 10 237 120	4 Channel M	root	Login	0	0	X	0	X	X	X	X
1	EN-V-R Test2	00306f832403	10 10 237 121	4 Channel M	root	Askolak	Ő	0	X	0	X	X	X	X
2	EN-V-R Test4	00306f832429	10.10.237.122	4 Channel M.	root	skokokok	Ő	0	X	0	X	X	X	X
3	EN-V-R Test5	00306f832424	10.10.237.123	4 Channel M	root	skokolok	Ō	Ō	X	Ō	X	X	X	X
4	EN-V-R_Test6	00306f83240e	10.10.237.124	4 Channel M	root	slokolok	0	0	×	0	×	×	×	×
				C										
				C										
0														

	Items	Descriptions
А	Resolution Description	Descriptions of the image resolution modes in the IP- Device list.(R1, R2, R3, R4, R5, R6, R7, R8, R9, R10)
В	PTZ Install Description	Descriptions of the PTZ numbers in the IP-Device list. (P1, P2, P3, P4)
С	IP-Device list	IP-Device list to select from.

2	Apply to All	IP-Device to all other devices.(Only Model, Login ID, and Login Password will be copied.)	
E	Register	Click this button to confirm and save the registered IP- Device added.	
F	Cancel	Click this button to cancel IP-Device registration.	

P-DeviceModification



To modify an IP-Device registration, Click Modify registered IP-Device

onnguring registerd IP-De	vice				
Inputting IP-Device inform	mation				
	IP-Device ID	A	0	*	
	Vendor	В	VITEK	-	
	Model	c	2 Channel Model	•	
	Name	D	Network Video Syst	tem	
	IP Address	F	192.168.2.51		
	Input IP Address Range	F	— ~		
Getting I	nformation from IP-Device	G	(May take sever	ral minutes)	
	VS Module ID	Ц	0	•	
	HTTP Port		80		
	RTSP Port	1	554		
	Login ID		root		
	cogin to	ĸ			
	Login Password	L			
	Confirm Password	N			
Checking available resolut	ion				
QCIF (QQVGA)	176 X 144 ~ 160 X		CIF (QVGA)	352 X 288 ~ 320 X	
Half D1 (Half VGA)	704 X 288 ~ 640 X		D1 (VGA)	704 X 576 ~ 640 X	
SVGA	800 X 600 ~ 720 X		XGA	1024 X 768	
HD720 (720P)	1280 X 720		SXGA	1280 X 1024	
UXGA	1600 X 1200		QXGA	2048 X 1536	
Checking available PTZ ca	meras				
Camera1	Camera2		Camera3	Camera4	
				P	0
				Save C	ancel

	Items	Descriptions
А	IP-Device ID	IP-Device ID is displayed. (not allowed to modify)
В	Vendor	Select the Vendor of the device.
С	Model	Select how many channels the device support.
D	Name	Change the Name as required.
Е	IP Address	Enter the IP Address to use with the selected device.
F	Input IP Address Range	(not allowed to modify)
G	Getting Information from	(not allowed to modify)

	IP-Device	
Н	VS Module ID	Select the VS Module ID. Enter 0 for non-Vitek IP devices. Vitek products can be set to 0 to 15, and default is 0.
Ι	HTTP Port	Enter the HTTP Port to use with the IP-Device. (Default is 80)
J	RTSP Port	Enter the RTSP Port (Default is 554)
K	Login ID	Type in the Login ID to use. (Default is root)
L	Login Password	Type in the Login Password to use for the Login ID. (Default is root)
М	Confirm Password	Type in the same password to confirm. (Default is root)
N	Checking available resolution	Select the Video Resolution for the device <i>Not used any more, all resolution is done at camera level</i>
0	Checking available PTZ camera	Checkboxes to choose if PTZ is supported.
Р	ОК	Click this button to apply the changed values.
Q	Cancel	Click this button to discard the changed values.

9.3.4. IP-DeviceDeletion



To delete a registered IP-Device, click **IP-Device, Camera Management** on the tree menu in the left pane. Then select an IP device to be deleted from the list. Click Remove IP-Device registration

9.3.5. IP-DeviceHomepage



To go to the home page of an IP-Device, click the **IP-Device, Camera Management** on the tree menu. Then select the IP device. Click Go to IP-Device homepage

9.4. Camera Management

In this section, you will see how to manage the device information, video resolutions, recording configuration, and alarm event configuration. Firstly, select a camera name under **IP-Device**, **Camera Management** on the tree menu.

When you select **IP-Device, Camera Management** on the tree menu, it will show **Camera Management** sub-menu. You can configure cameras here. The following picture shows when you selected an IP-device in the tree menu. The sub-menu toolbar changes accordingly to your selection.

Configuration System, Network Configuration Provice Camera Maggement User Management Disk Setup Disk Setup Disk Mode Of Utilities	1. This category 2. Modify the car 3. Change video 4. Set a conditio 5. Set Alarm, evideo 6. S/W motion d 7. Auto preset w 8. Touring will be	 This category is for configuring settings of registered IP-Devices. Modify the camera name and information of the registered IP-Device. Change video quality and resolution of the IP-Device. Set alarm, event, and map service of the registered IP-Device. Set Alarm, event, and map service of the registered IP-Device. S/W motion detection will be supported later. Auto preset will be supported later. Touring will be supported later. 								
	A B C Camera Name	Resolution	Quality	Record	Alarm	Motio	Touring	Preset		
	Camera 1	352x288~	High	Yes	Yes	No	No	No		
	Camera 2	352x288~	Highest	Yes	Yes	No	No	No		

		Items	Descriptions
R	А	Camera Information	Configure Information of the selected camera.
	В	Resolution and Quality	Choose the resolution and quality of cameras.
2	С	Recording Conditions	Set up recording conditions.
	D	Alarm and Map service settings	Configure Alarm and Map service functions.

9.4.1. Configure Camera Name and Information



From the configuration list, select a camera to be assigned with a name.

Image: Second System Image: System, Network Configuration Image: System, Network Video System Image: Second System Image:	1. This category i 2. Modify the can 3. Change video of 4. Set a condition 5. Set Alarm, eve	 This category is for configuring settings of registered IP-Devices. Modify the camera name and information of the registered IP-Device. Change video quality and resolution of the IP-Device. Set a condition of recording. Set Alarm, event, and map service of the registered IP-Device. 							
Disk Quota	Camera Name	Resolution	Quality	Record	Alarm	Motio	Touring	Preset	
	Camera 1	352x288~	High	Yes	Yes	No	No	No	
	Camera 2	704X576~	High	Yes	Yes	No	No	No	
									_
									_
						Apply	Cl	ose	

Then click on camera1 or camera 2, then click Configure Camera Name and Information

Configure camera name and information								
Camera Name	Resolution	Quality	Record	Alarm	Motio	Touring	Preset	
Camera 2	704X576~	High	Yes	Yes	No	No	No	
Camera 1	352x288~	High	Yes	Yes	No	No	No	

The below image will be display, enter name (F), then click Apply to camera(H), then OK.

Came	ra 1(Connection est	ablished)	Configure Camera Name				
- 0			Name	Camera 2 F	Clear		
		(Maximum length is 21 work	is in English)	G			
100	North Manual Street				Apply to camera		
Selec	tt Multi Camera	IP-Device Id	IP-Device Name		Apply to camera Camera Name		
Selec	tt Multi Camera Camera 1	IP-Device Id 3	IP-Device Name Network Video S	iystem	Apply to camera Camera Name Camera 2		
Selec A B	tt Multi Camera Camera 1 Camera 2	IP-Device Id 3	IP-Device Name Network Video S	iystem	Apply to camera Camera Name Camera 2		
Selec A B C	tt Multi Camera Camera 1 Camera 2 Camera 3	IP-Device Id 3	IP-Device Name Network Video S	iystem	Apply to camera Camera Name Camera 2		
Selec A B C D	tt Multi Camera Camera 1 Camera 2 Camera 3 Camera 4	IP-Device Id 3	IP-Device Name Network Video S	System	Apply to camera Camera Name Camera 2		
Selec A B C D E	tt Multi Camera Camera 1 Camera 2 Camera 3 Camera 4 Unselect All	IP-Device Id 3	IP-Device Name Network Video S	System	Apply to camera Camera Name Camera 2		

	Items	Descriptions
A,B,C,D	Camera Selection	Select one or more cameras for name assignment by clicking buttons.
Е	Unselect All	Clear the device list which shows the selected cameras.
F	Name	Type in a camera name.
G	Clear	Clear the camera name field.
Н	Apply to Camera	Apply the changed camera name to the system.
I	ОК	Click this button to confirm the change and close the window.
J	Cancel	Click this button to cancel the change and close the window.

9.4.2. Camera Resolution, Quality



To configure a camera's resolution and video quality,select a camera to configure and click **Configure camera resolution and quality**

Camera Config	ure camera resolutio	n and qu	ality	Alarm	Motio	Touring	Preset	
Camera 1	352x288~	High	Yes	Yes	No	No	No	
Camera 2	704X576~	High	Yes	Yes	No	No	No	

The below image will be display, adjust resolution (F), then click Apply to camera(H), then OK

Configure camera resolution and qu	uality					
Select camera below list to display		Catilita				
Camera 1(Connection establis	hed)	Set Value	Resolution: F	Min	352x288~320x240	Мах
			Quality: G	Lowest	Highest	Highest
)			H Apply	to camera
Select Multi Camera	IP-Device Id	IP-Device Name	Camera N	ame	Resolution	Quality
A Camera 1	0	hector Test	Camera 1		352x288~320x240	Highest
B Camera 2	0	hector Test	Camera 2		352x288~320x240	Highest
C Camera 3						
Camera 4						
E Unselect All						
	4					
					Go Home	Close

	Items	Descriptions
A,B,C,D	Camera Selection	Select one or more cameras by clicking buttons.
E	Unselect All	Clear the device list which shows the selected cameras.
F	Resolution	Select the video resolution.
G	Quality	Select the video quality.
Н	Apply to Camera	Apply the selected video resolution and quality to the system.
Ι	Go Home	Go to the homepage of the product.
J	Close	Close and exit the window.

Configure Camera Recording Condition



To configure recording conditions, select a camera to configure, then click **Configure camera recording condition**

r 🖳 🔁	<u>í</u>						
Camera Name	Configure camera r	ecording	condition	Alarm	Motio	Touring	Preset
Camera 1	352x288~	High	Yes	Yes	No	No	No
Camera 2	704X576~	High	Yes	Yes	No	No	No

The below image is where you adjust the recording parameters.

Configure Recording Condition										
 Select camera to configure condition You can select to multi camera Select condition to configure record condition Configure detail schedule and event 	CC	onfigure Recording Con Input Condition © Use this condition Condition Mode	dition	G		🖱 Do not u	use this	conditio	n	
 Cick Apply to camera button to apply condition Change record service Pre, Post images Cick Apply to camera button to save changed c Camera 1(Connection established) 	ondition	 Always Recording Recording by sch Recording by evolution Recording by sch 	g nedule or ent only nedule ar	nly nd event	H					
		Schedule Day of week Time Date		Sun 12/31	Mon 1/1969	Tue	Wed	Thu 12/3	Fri S	at Av
Reording Service		Event Alarm Sensor Motion Detection External Input Data	J	1	2	3	4		к	
Enable Recording Service Disable Record Record	ding Service	Condition list F						Ap	ply to conditio	n
Pre Alarm Speed POST Alarm Images	fastest ▼ 0 ▼	Camera Name Camera 1 Camera 1	Con 1 2	Co [M	ndition 1]	Name				Î.
POST Alarm Speed	fastest 🔻							Ap	L ply to camera	
Select Multi Camera IP-Device Id	IP-Device Name Network Video Syst	Camera Name em Camera 1		Recordin Enable	g (Condition 1 M1]	Condi	ition 2	Condition 3	Condi
Camera 2 Camera 3										
Camera 4										
							_	R		5

	Item	Description
A,B,C,D	Camera Selection	Select one or more cameras by clicking buttons.
Е	Unselect All	Clear the device list which shows the selected cameras.
F	Condition List	Define the condition for recording to be started.
G	Condition to use	Decide whether to use the defined condition or not.
Н	Condition Mode	Select the condition mode for recording.
Ι	Scheduling	Set up the schedule for recording.
J	Event setup	Set up the event to initiate recording.
К	Apply to Condition	Apply the configured schedule and event data to condition list.
	Londition	list.

Apply to Camera	Apply the condition to camera.
Enable Recording Service	Enable this to activate the recording. When this is not enabled, it won't be saved if a recording condition is set.
Pre Alarm Images	Select pre-alarm images.
Pre Alarm Speed	Select pre-alarm speed.
Post Alarm Images	Select post-alarm images.
Post Alarm Speed	Select post-alarm speed
ОК	Click this button to confirm the change and exit the window.
Cancel	Click this button to cancel the all the changed made in this session.
	Apply to CameraEnable Recording ServicePre Alarm ImagesPre Alarm SpeedPost Alarm ImagesPost Alarm SpeedOKCancel

To setup recording, first click camera under *Condition list*(**F**). This enables the Configure Recording Condition (**G**, **H**, **I** and **J**)

Camera Name	Con	Condition Name	
Camera 1	1	[M1]	Ξ
Camera 1	2	-	÷

Now you can select your *condition mode*(H). Under condition mode you have four choices always, schedule, event and schedule and event. (in this example we will record by event only)

Always Recording
Recording by schedule only
Recording by event only
Recording by schedule and event

Schedule: To schedule time and date of recording (1). (when schedule is activated in condition mode)

	Day of week	Sun	Mon	Tue	Wed	Thu	Fri √	Sat
	Time	АМ	8:43	×	~	AM 8	:43	* *
	Date	12/28	3	* *	~	12/28		* *
<i>Event</i> : Here you	can select Alarm or Mo	otion	(<mark>)</mark>)					
	Event	1	2	3	4			
	Alarm Sensor							
	Motion Detection	1						
	External Input Data							

After completing your conditions selection click **Apply to condition**(K) After apply to condition click **Apply to camera** (L), then click **OK**(**R**) When that screen closes click **Apply**

B 🖳 🎦 .							
Camera Name	Resolution	Quality	Record	Alarm	Motio	Touring	Preset
Camera 1	352x288~	High	Yes	Yes	No	No	No
Camera 2	704X576~	High	Yes	Yes	No	No	No
						-	
					Apply	C	ose

9.4.3. Alarm, Event Configuration



To configure the Alarm and Event features, select a camera to configure, and then click **Configure** alarm, map service

Configure Alarm, Event service					
Camera 1(Connection establis	hed)		Please select came	to service	
				Sopriso	
		211	Start recordi		
		NE N	Stop recording	19	
	2 2 4	a) and	Motion Start	.9	
Active 1		1	Motion Stop		
Production of the second		-	🔽 DI On		
Check desired alarm			🗹 DI Off		
Enable alarm service			Video Norma		
Start recording			Video Lose	G	
Enable DO Do			IP-Device Ne	twork Disconnected	
Operating Preset mode			Touring Star	twork Disconnected	
Popup Window	F		Touring Stop	-	
Touring Start			Enable DO		
Touring Stop			Disable DO		
			н	Apply to came	ra
Select Multi Camera	IP-Device Id	IP-De	vice Name	Camera Name	
A Camera 1	0	hecto	or Test	Camera 1	
B Camera 2	0	hecto	or Test	Camera 2	
C Camera 3					
D Camera 4					
E Unselect All					_
				ОК	Cancel

Item

Description

A,B,C,D	Camera Selection	Select one or more cameras by clicking buttons.
Е	Unselect All	Clear the device list which shows the selected cameras.
F	Alarm Service Setup	Put check marks on alarm types to use.
G	Event Service Setup	Put check marks on event types to use.
Н	Apply to Camera	Click this button to apply the changes to the camera.
Ι	ОК	Click this button to confirm the change and exit the window.
J	Cancel	Click this button to cancel the Alarm, Event configuration.

9.5. User Management

In this section, you will see how to manage user information. To start managing users, select **User Management** from the tree menu.

Smart NVR Configurator	D		
Configuration System, Network Configuration P-Device, Camera Management O: Network Video System User Management Disk Suota Disk Quota Disk Mode Utilities	 It is possible to Full Access auth General Access No Access mea Selective Access 	add, modify, and delete users. ority means no limitation to all fu means only Liveview of the all co ns no camera you can access. s means accessing to assigned co III	unctions. ameras. ameras.
	A B C User Id user1	User Name Manager	Access Permission Full Access
			Apply Close

		Items	Descriptions
.	А	User Registration	Register new users to the system.
	В	User Modification	Change the information of existing users.



User Deletion

User Registration

С



To register a new user, click the 1'st button on the tool bar in the sub-menu toolbar.

er Account					
A User ID	1				
B Password					
C Confirm password					
D Name					
Notice: User ID Password	must be alphanum	eric within 23	3 characters.		
stem Resource Access Pern	nission				
All Channels Access					
Ceneral Access(Only Vie	w)				
No Access					
No Access Selective Access					
No Access Selective Access					
 No Access Selective Access System Finable Module 	Port	Alarm Control	PTZ Control	Audio Control	Playbac
 No Access Selective Access System F Module Network Video Sy + 	Port	Alarm Control	PTZ Control	Audio Control	Playback
No Access Selective Access System Module Network Video Sy * Network Video Sy *	Port All Port ~ All Port ~	Alarm Control	PTZ Control	Audio Control	Playback
No Access Selective Access System Module Network Video Sy * Network Video Sy * Network Video Sy *	Port All Port * All Port * All Port *	Alarm Control	P TZ Control	Audio Control	Playback
No Access Selective Access System F Module Network Video Sy * Network Video Sy * Network Video Sy * Network Video Sy *	Port All Port v All Port v All Port v All Port v	Alarm Control	P TZ Control	Audio Control	Playback
No Access Selective Access System F Module Network Video Sy *	Port All Port • All Port • All Port • All Port • All Port •	Alarm Control	PTZ Control	Audio Control	Playback
No Access Selective Access System F Module Network Video Sy * Network Vid	Port All Port	Alarm Control	PTZ Control	Audio Control	Playback
No Access Selective Access System F Module Network Video Sy *	Port All Port T	Alarm Control	PTZ Control	Audio Control	Playbaci
No Access Selective Access System Module Network Video Sy * Network Video	Port * All Port *	Alarm Control	PTZ Control	Audio Control	Playback

	Items	Descriptions
А	User ID	Enter a new User ID to register.
В	Password	Enter the Password for the new user.
С	Confirm password	Enter the same Password for confirmation.
D	Name	Enter the name of the new user to be registered.
E	System resource access permission	 Choose the level of permission for System resource access. All channels access: Viewing all cameras, Alarm, PTZ, Audio, Searching General access: Viewing all cameras only No access: An user account without any access to cameras Selective access: Access to only selected cameras and privileges.
F	System Permission	Eight different modules can be set. The setup can be made on Module, camera, alarm, PTZ, Audio, and Search respectively. Enabling each module gives accesspermission to it.
G	ОК	Click this button to apply the registration of the new user.
Н	Cancel	Click this button to cancel the registration process.

9.5.1. User Modification



To modify a user's information, selectthe users name than click the second button on the submenutoolbar. The **User Registration** window will come up on the screen, make the necessary changes and click **OK**.

9.5.2. UserDeletion



To delete an existing user, select the user name than click Remove Registered user account another screen will pop up confirming to proceed with deletion, click **OK** to proceed .

9.6. Disk Setup

9.6.1. Disk Setup

When you click **Disk Setup** on the tree menu, it will show two sub-menu items. One is **Disk Quota**, and the other is **Disk Mode**. The following window shows the **Disk Quota** mode.

Configuration System, Network Configuration System, Network Video System System Anagement System Otk Setup Disk Yetup Disk Vode Cr Utilities	1. Select HI 2. Under Di 3. You can 4. To exclu 5. Contents 6. Changes	DD from disk list ar sk Quota, set a ta modify the size of de HDD from list, o i n excluded HDD will take effect aff	nd click "Regist rget value and recording cap click target HD will not be sea ter from next s	er" button click "OK" acity at any tim D and click "rer arched start or click "a	ne. nove"button oply" from ser	vice menu	
			111				1
	S						
	Record	Drive	Туре	Drive Size	Free Size	Quota Size	Orde
	-	C:\	HDD	37 GB	27 GB	0 GB	

		Items	Descriptions
5	А	Disk Quota Setup	Define the HDD for recording and configure the size of quota.
E	В	Disk Quota Deletion	Delete previously assigned disk quota.

9.6.2. Disk Quota Modification and Deletion



When EN-V-R program is installed, all local drives are assigned as recording devices. To modify the disk quota for recording, click **Disk Quota** on the menu list, and select the drive to be modified.

Now to change the disk quota size, click the 1'st button on the sub tool bar, or double click the drive on the device list. The following window will be displayed.

Use HDD		
B Possible Maximum Quota	23	GB
C Possible Minimum Quota	3	GB
D Set Quota	23	GB
	F	

	Item	Description
А	Use HDD	Decide whether this HDD is to be used.
В	Possible Maximum Quota	Display Possible maximum quota on this HDD.

С	Possible Minimum Quota	Display Possible minimum quota on this HDD.
D	Set Quota	Enter the desired size of disk quota for recording.
Е	ОК	Click to apply the configured disk quota.
F	Cancel	Click to cancel the disk quota configuration.

To delete the existing disk quota, click **Disk Quota** on the menu list. Then choose the drive quota to be deleted. Click the 2'nd button on the sub tool bar.

9.6.3. Disk Mode Change

To modify the disk circulation style, click Disk Setup, and then **Disk Mode** on the tree menu.

Smart NVR Configurator			<u> </u>	
Configuration Configuration Configuration Device, Camera Management Configuration Con	1. Cick icon to configure disk circulation. 2. If circulation is enabled, oldest data will be removed for new data 3. If circulation is disabled, recording will be stopped when there is no space 4. Limiting recording duration can be configured by daily basis 5. If you set recording duration, data over configured period will be erased 6. For system stability, data over configured period can be erased 4. Imitians			
	Configuration	Value		
	Disk Circulation	Use circulation (Record new data remove oldest data)		
	Expired Duration	Not use expired duration		
	Email report	No		
		Apply	Close	

R	А	Disk Circulation Setup	Configure disk circulation type.
	В	Disk Usage Report Setup	Configure email address for reporting.



Click the **Disk Circulation** in the list. The following window will be displayed.



	Item	Description
А	Use circulation	Select this if disk circulation will be used.
В	Not use circulation	Select this if disk circulation will not be used.
С	Use expired duration	Decide whether the expiration will be used for recording. (This can be se when Use circulation is selected.)
D	Expired days	Enter the date when the recorded content will be expired.
Е	ОК	Click this to apply the Disk circulation settings.
F	Cancel	Click this to Cancel Disk circulation settings.

Configure email reporting for disk usage



To modify the email notification behavior for hard disk recording.

Enable re	eport service	e	Oisa	ble report s	ervice	
Report HDD s	pace (Non-c	irculation only	')			
100%		90%	80%	6	70%	
Periodic repor	t					
🔲 Sun	Mon 🔄	🛄 Tue	🕅 Wed	🛄 Thu	🕅 Fri	🔲 Sat
PM 02:28:3	37					

	Item	Description
А	Use to report HDD usage	Choose whether to Enable or Disable the report service.
В	Report HDD space	When disk circulation is not used, select the HDD size when it will be reported by email.
С	Periodic report	Define when Periodic reports will be sent.
D	ОК	Click to apply the Email report settings.
E	Cancel	Click to cancel Email report configuration.

9.7. Utilities

Select Utilities from the tree menu. You can perform two functions in Utility category, one is **Email Account Configuration** and the other is **About Program**.

Smart NVR Configurator				
	5			
Configuration System, Network Configuration P-Device, Camera Management 0: Network Video System 20: Network Video System Disk Setup Disk Setup Disk Quota Disk Mode Utilities		III		,
	Configuration	Value		
	Email account	Disable		
	About program	Smart NVR Configurator		
			Apply	Close

		Items	Descriptions
Ø	А	Email Account	Configure email account.
Ø	В	About Program	Display the information of EN-V-R program.

9.7.1. Email accountConfiguration



Once an email account is registered here, you can receive email notification from EN-V-R program upon a certain event. To configurean email accounts, click Utilities on the tree menu. Click *Configure email account for mail service*

	A Service	: O Enable	Oisable	
	B SMTP Server	:		
	C Authentication	: O Enable	Oisable	
	D Email user id	:		
Е	Email user password	21 J		
	F Sender email	:		
G	Recipient email #1			
н	Recipient email #2	:		
I	Recipient email #3	:		
	J Email Subject	: Mail from Smart	NVR	

	Item	Description	
А	Service	Decide whether to report HDD usage by email or not.	
В	SMTP server	Enter the address of SMTP server for sending email.	
С	Authentication	Decide whether to use Authentication.	
D	Email user id	Enter the sender's id for email account.	
Е	Email user password	Enter the password of the sender's email account.	
F	Sender email	Enter the Sender's email address.	
G,H,I	Recipient email #1,2,3	The email addresses of three Recipients to be notified.	
J	Email subject	Enter the title of the Email when it's sent.	
К	ОК	Click to apply the Email account registration.	
L	Cancel	Click to cancel this configuration.	

9.7.2. About Program



To displays the information of this program on the screen, Click *Information of this program*.

Smart NVR Configurator		<u> </u>
Product Info		
Smart NVR Configurator		
Ver (1.0.0.0)	Α	
Copyright (C) 2011		
Evaluation(16 channel, MultiVendor)		
System Resource		
CPU:3% Core0:3%		
Memory:682 MB / 1535 MB (44%)	В	
Network:0bps(192.168.2.50)		
		C
		ОК

	Items	Descriptions
А	About program	Show the information about the EN-V-R running.
В	System Resource	Displays the PC's system resource information.
С	ОК	Click this button to close the Window.

10. Using EN-V-R Controller

To open EN-V-R controller, click **Start >All Programs>Vitek>SMART NVR Controller**.



Smart NRV controller will be on the lower right part of the system tray. Then right click the icon a sub-window will display, click on Open Smart NVR Controller.



The following window will open

Smart NVR Controller			X
Start or Stop Servic	e	A	
B Start Service	Stop Service State	Refresh	Go Home E F Close

	Items	Descriptions
А	Current Service State	Shows whether EN-V-R Service is running or stopped.
В	Start Service	Click this button to start EN-V-R Service when it's stopped.
С	Stop Service	Click this button to stop EN-V-R Service when it's running.
D	Refresh	Refresh the Screen.
E	Go Home	Go to the EN-V-R's built-in webpage.
F	Close	Close the EN-V-R Controller window.

11. Connecting to EN-V-R

11.1. PC with EN-V-R installed

You can connect to EN-V-R in various ways as explained below.

• Click **Go Home** in EN-V-R Configurator



• EN-V-R Controller window.

Smart NVR Controller		X
Start or Stop Service		
Current Service State	Service Running	
Start Service Stop Service	Refresh	Go Home
		Close

• Click **Go Home** from the pop-up menu on the System Tray.



• In Internet Explorer, enter the IP address of the computer that EN-V-R is running on.



• In case that the HTTP port for EN-V-R is not 80 (default), the port number should be entered together with the IP address. (the example below assumes HTTP port of 7777)



After you successfully connecting to the EN-V-R homepage, you will see the following window.



	Items	Descriptions
А	Home	Go to EN-V-R's homepage.
В	Live View	Click this button to execute Live View program. You can use various features such as live view, audio transmission, PTZ control, unconditional recording, etc.
С	Player	Click this button to search, record, and back up the video data sent from IP devices registered in EN-V-R.

11.2. PC without EN-V-R

• If your PC doesn't have EN-V-R program installed, type in the IP address of the PC where EN-V-R is up and running.

Note: For further details on how to use Live View program, please refer to ENVI Series Viewer User's Manual. For Player, please refer to ENVI Series Player User's Manual.



• In case that the HTTP port for EN-V-R is not 80 (default), the port number should be entered together with the IP address. (the example below assumes HTTP port of 7777)



12. ENVI Smart Player

12.1. Introduction

Smart Player is and ActiveX program for Internet Explorer Web browser, which enables users to search and play back recorded video in Network Video Servers and other devices with built-in recording capabilities. The Searching and playback of video is refined by condition, schedule, and event.

Smart Player can be run in SmartNVR network video software for PC and network cameras equipped with microSD card as well as standalone NVR (Network Video Recorder) devices.

12.2. Key Features

- Transforming recorded video into AVI, FJP&IDX, formats
- Supports Printing of video
- Playing Audio from recorded video
- Group Searching from recorded video
- Supports Full Screen Mode

12.3. System Requirement for PC

For best quality and performance, your computer needs to meet the minimum requirement.

- OS: Microsoft Windows XP Pro, Windows 7 Pro, Windows 8 PC
- CPU: Intel Pentium 4, 2 GHz (Dual-Core or faster is recommended)
- System RAM: 2GB
- Video Card: 256MB Ram, 1024x768 Resolution
- 100 Mbps Network Adaptor

12.4. Installing and Uninstalling

12.4.1. Installing Smart Player

Connect to the Vitek Camera / Server / NVR on Internet Explorer, and click **Player** on the main page.



If you're using Windows XP Service Pack 2 or later, it may asked you to install ActiveX click the massage bar than click on the Install ActiveX control...

C Network Video System - Smart Player - Windows Internet Explorer		
🚱 🕞 💌 👔 http://10.10.231.39/spp/player/single.asp	🖌 🔁 🔄 🖈 🕅 Kr Live Search	P -
Ble Edk Yew Fgrontes Icols Holp		
🚖 Favorites 🛛 🙀 🏉 Suppested Stes 🔹 🔊 Web Store Gallery 🔹		
Witherwork Video Scotem - Smart Player	A · D · D · D · Dage · Safety ·	Tools - 😡 - "
This website wants to install the following add-on: 'Smart Player Install' from VITEK IVP, inc.'.	If you trust the website and the add-on and want to install it, Click here	×
	Home Live View Player Sample Ad	Imin
Auto ActiveX Co If this auto process take click the below button Manual D	ntrol Installation Is more than 30 seconds, and install it manually. ownload	• % 100% • · ·
·	areanac ag	100%

After the installation is successfully completed, **Smart Player** window will be displayed.

12.4.2. Manual Installation

When an Internet connection is not available or having some difficulties, you can manually download and install the Smart Player program file prior to setup, visit <u>http://www.vitekcctv.com/Downloads.asp</u>. You may also install from the provided CD. Execute the downloaded file, and you will see the Smart Player Setup Wizard window. Click **Run** to start installing.



The following window will appear. Click **Next**.



The following window will be displayed. Click Install

🕞 Smart Player 1.1.0.0 Setup	×
Choose Install Location Choose the folder in which to install Smart Player 1.1.0.0.	
Setup will install Smart Player 1.1.0.0 in the following folder. To install in a di dick Browse and select another folder. Click Install to start the installation.	fferent folder,
Destination Folder C:\Program Files (x86)\Vitek\Smart Player	Browse
Space required: 7.2MB Space available: 309.9GB Nullsoft Install System v2.46	Cancel

After installation is successfully completed, the following window will be displayed. Click **Finish**.



12.5. Uninstalling Smart Player

Before uninstalling, close all the Internet Explorer windows.

12.5.1. Uninstalling on Program Menu



Click **Uninstall** and the following window will be shown. Click the **Yes** button.



Live View & Play Back

To live view and play back your cameras, go to **Start** menu, **All Programs, Vitek Folder**, Click on **Smart NVR Controller**, as shown below.



Look for icon on right side of taskbar as shown below (windows XP and windows 8 might show it different). Right click icon.

		œ	2
	to	×	8
~	0	1]
Customize			

The following window will display. Click on **Open Smart NVR Controller**.



Click on **Start Service** to run the program.

Smart NVR Controller	<u>×</u>
Start or Stop Service	
Current Service State	Service Stopped
Start Service Stop Service	Refresh Go Home
	Close

Click on Go Home to view Smart Player Home Page



Click on Live View



The following screen will be display were you can configure your live view.



Server Control Bar

Allows you to view cameras / servers that are registered in the system. Toggle On/Off





Group Control Bar



In order to view video, cameras must be assigned to a group, in this section you create groups with cameras you want to view.

Create Group

In order to create a group in **Group Control Bar**, right click on **Group**, another window will appear then select **New**.



The following window will be displayed. Type in the group name, check "Circulation" to allow sequencing, input dwell time for "Circulation" and click **OK**.



A new group with the assigned name will be created as shown below.

Server control bar ×	Group control bar	x
E	⊡	
🗄 📲 Network Video System	VITEK 1	
🧟 Camera 1		
🔤 🗋 Camera 2		
Network Video System		
🧟 Camera 1		
🖳 🧕 Camera 2		

To add cameras to the new group, drag from server control bar and drop on newly created group. You can create multiple groups and add multiple cameras in each group.



PTZ control Bar



In this section you will be able to control PTZ's connected to the system.



Audio Control Bar



Controls Speaker and Mic volume.

When audio is available click on **Connect** and adjust speaker and mic levels, when done click **Disconnect**.



Full/Normal Screen



Select full screen as seen below, to return to normal press **Esc** on your keyboard.



Group Circulation



Start sequencing between groups.





Layout settings



You can change the screen layout between 1,2,4, etc.



Image in Original Size



This allows for digital zoom.



Draw Image by Maintaining Aspect Ratio



Maintains the aspect ratio of the camera



Draw Image by Filling the Screen




Enhanced Draw Mode On/Off. Enhance image for a better reproduction.



ENVI Series EN-V-R

About Smart Viewer



You can see the status of the Smart Viewer

About Smart Viewer	— X —
CPU:100% Core0:100% Core1:100%	
Memory: 1962 MB / 4095 MB (47%)	
Network:67Mbps(10.0.0.116)	
Smart Viewer (1.3.0.0)	
Bild Date : Oct 12 2012 13:35:04	ОК

12.6. Configuring & Viewing Player

From the Home Screen click on **Player**



12.6.1. Main Window View



Note: The appearance of Smart Player window <u>may vary depending on version and type of Vitek</u> <u>device</u> you're using. This user's manual is based on general display screen.

Server Control Bar <mark>A</mark>	Allows you to view cameras / servers that are registered in the system.
Group Control Bar <mark>B</mark>	You can compose a new group by dragging & dropping servers, modules, and cameras into a group. Grouping provides search function of recorded video from cameras.
Playback Control Bar <mark>C</mark>	Users can use this bar for functions such as forward/reverse play, previous frame, next frame, pause, stop, playback speed.
Control Tool Bar <mark>D</mark>	Users can change search mode between calendar, condition, and data. It also provides additional features such as backup and snapshot.
Time Line Control Bar <mark>E</mark>	Search condition (calendar, condition, and data) can be refined in this bar.
Display screen F	This screen shows multiple numbers of recorded videos.

12.7. Connecting to NVR Player

In order to playback video, cameras must be assigned to a Group, in this section you create groups with cameras you want to playback. Playback directly from cameras with SD card installed will have "Group" automatically created and the camera assigned to that "Group"

Server		×
	Server	
	Network Video Recorder	
	💼 📲 Network Video Syste	
	💼 📲 Network Video Syste	
	🗈 🚠 2MP indoor dome	
	💼 📲 Network Video Syste	
	는	
	🗄 📲 hector Test	
Group		×
	Group	

12.7.1. Creating a Group

In order to generate a group in Group Control Bar, right click on **Group**, another window will appear then select **New**.

Server ×
E Server
🗄 📲 Network Video Recorder
Hetwork Video Syste Sys
House Network Video Syste
The star 2MP indoor dome
The A Network Video Syste
THE VT-PTZ220NP11
+ ector Test
k coup
New

The following window will be displayed. Type in the group name and click **OK**.



A new group with the assigned name will be created as shown below.



To add a camera to the new group, drag and drop from the server tree to the newly created group.



12.8. Searching Video

Make sure you have recorded video on the calendar (recorded video shows in red).

		Dece	embe	r 201	2	
Su	Мо	Tu	We	Th	Fri	Sat
2 9 16 23 30	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 <u>20</u> 27	7 14 21 28	1 8 15 22 29
44	٩		Toda	y	•	**

There are three choices in searching recorded video - Day Search, Condition Search, and Data Search.

Make sure that Camera / Server Connection and Creating Group have been performed before you search recorded video.

To search and playback video, Smart Player requires one or more groups to exist. If a search is executed on the basis of a selected group, a search will be performed on all the cameras in that group. If a search is executed on the basis of a single camera, the search will be performed only from that camera.

ENVI Series EN-V-R

For example, if you select a group and start searching; the search from that group will be displayed



If you only select "Brian-Camera 1", the searching will be performed only on the video from that.



12.8.1. Daily Search



Select date from calendar than select time from the time bar.



12.8.2. Search Mode

By clicking a date in red on the calendar, the time frame recorded is shown.

12.8.3. GO to Time Position

To go to specific time click on "Go to time position" than input time and click search.

		Dece	embe	r 201	2		
Su	Мо	Tu	We	Th	Fri	Sat	DetailSearch
2 9 16 23 30	3 10 17 24 31	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	12:48:31 PM · ·
	•		Toda	y	•	**	
	Go 1	to ti	mе	pos	itior	ı	

12.8.4. Condition Search Mode



In this mode, you can search for video on the basis of combination of 3 different conditions, which are Time, Motion, and Sensor. Initially only Time condition is available for searching, and you need to enter **Advance Search** mode to utilize Motion and Sensor state if necessary.



Search

Select time and date from beginning to end of search criteria. Then click **Search**.

The following window will be displayed to inform you of the search progress. If any results are found, the video will start playing back right after searching is completed.

Cancel

12.8.5. Advanced Search Mode

In Advance Search Mode you can select which conditions to search from (Time, Event, etc)

First, select **Time** checkbox, and choose the desired time frame (Start date and time ~ End date and time), and then click **Add Condition** button to add to **Search Condition**.

1	2011012/10.11.1/	<u>.</u>
ra Group: User Define 🧹 Ca	mera ID:	v
Motion	Sensor	
	$ \prod_{n=1}^{1} \prod_{r=1}^{2} \prod_{r=1}^{3} \prod_{r=1}^{4} \prod_{$	
n Del Condition	Reset	
/26~2011/01/27][10:41~10:41][][
	ra Group: User Define (▼ Ca Motion 1 2 3 4 5 6 Alarr n Del Condition /26~2011/01/27][10:41~10:41]]]	ra Group: User Define € Camera ID: All Motion Sensor 1 2 3 4 5 6 Alarm 1 2 3 4 n Del Condition Reset 1 1 1 1 1 /26~2011/01/27][10:41~10:41][]]

Now select **Event** checkbox, and choose **Camera 1** from **Motion**, and then click **Add Condition** button to add to **Search Condition**.

Time	2011 01-26 10:41:47 ~	2011 01-27 10:41:47	<u></u>
🖵 Group, Ca	mera Group: User Define C 💌 Came	era ID:	Ŧ
F Event	Motion		7 [57 [67
Add Cond Search Conditi [-1:-1][2011,	Del Condition on /01/26~2011/01/27][10:41~10:41]]]]	Reset	
[-1:-1][][[M	1][]		

Next, select **Event** checkbox, choose Sensor 1, and then click **Add Condition** button to add the Sensor condition to **Search Condition**.

Time	2011 01-26 10:41:47	~ 201101-27	10:41:47
🖵 Group, Ca	mera Group: User D	Define C Camera ID: All	Ŧ
Event	Motion	Sensor	
Motion			
Add Cond	ition Del Conc	lition Reset	
Search Conditi [-1:-1][2011 [-1:-1][][[M [-1:-1][][][on /01/26~2011/01/27][10:41~ 1][] oD1]	10:41]]]]	

Now that all the conditions have been configured, click **Search** button to start searching. Any video data which meets at least one of the conditions in **Search Condition** list will be shown as the results.

12.9. Video Playback Controls



	Play Reverse
	Play Forward
	Pause
	Stop
	Back to Previous Frame
	Go to Next Frame
Slow Normal Fast	Playback Speed Control
PlayIndex	Player Path Control (only for condition search mode)

12.10. Extra Features

12.10.1. Window Control

Users can open or close control windows.



12.10.2. Recording Period

You can view the starting and ending date of a recorded channel.



Record time is displayed as shown below.

Server	Camera	Start Time	End Time	
Brian	Camera 1	12/21	12/26	
Brian	Camera 2	12/21	12/26	:
Network Video Syste	Camera 1	12/21	12/26	
Network Video Syste	Camera 2	12/21	12/26	
Network Video Syste	Camera 1	12/21	12/26	
Network Video Syste	Camera 2	12/21	12/26	
hector Test	Camera 1	12/21	12/26	

12.10.3. Backup

There are two backup formats IDX and AVI.

.IDX	Default video	file format us	sed by Vitek
	2010.010 110.00		

.AVI Video file format supported by Microsoft Windows



When the **Backup** button is clicked, the following window is displayed as below.

Backup				
Select camera				
🔲 (Brian) Camera 1				
🔲 (Brian) Camera 2				
(Network Video Syste) Camera 1				
(Network Video Syste) Camera 2				
(Network Video Syste) Camera 1				
(Network Video Syste) Camera 2				
(hector Test) Camera 1				
Backup Type				
Backup path				
C:\Users\Hector.VITEK\Desktop\\20121226_(Recording Folder				
OK Cancel				

Select Camera	Check the camera to backup. For AVI backup, only one camera is permitted. For FJP, IDX , multiple backup is allowed.	
Backup Period	Select the time frame (Start date and time \sim End date and time) to backup.	
Backup Type	Select either AVI or FJP, IDX format.	
Backup Path	Select the HDD path where the backup file will be saved.	

After selecting the parameters, click **OK** then the following window will display.



After searching is finished, backup operation will start.

Backup	1000		X
	Backup	(99/16833)	
		Stop	

When backup is completed, the following window will appear. Click **OK** button.



Note: For AVI file backup, only one camera is allowed. For IDX backup, multiple cameras are allowed.

12.10.4. Snapshot

Choose the camera currently being played or paused, click **Snapshot** button. Then a snapshot file will be saved in a designated path.



The below picture is a result of snapshot from the above window.



12.10.5. Print

Choose the camera currently being played or paused, then click **Print** button. Then the image of the selected camera will be sent to your default printer.



12.10.6. Ratio Display

You have three options to view videos, which are **Original**, **Ratio**, and **Stretch**.



VITEK LIMITED PRODUCT WARRANTY

VITEK products carry a three (3) year limited warranty. Digital recording and storage products are also warranted for 3 years except for the hard drives which carry their own independent factory warranty from the hard drive manufacturer. VITEK warrants to the purchaser that products manufactured by VITEK are free of any rightful claim of infringement or the like, and when used in the manner intended, will be free of defects in materials and workmanship for a period of three (3) years, or as otherwise stated above, from the date of purchase by the end user. This warranty is non-transferable and extends only to the original buyer or end user customer of a Vitek Authorized Reseller.

"Alpha Series by VITEK" products carry a three (3) year limited warranty. All other factors of the standard VITEK warranty will apply as stated above. ** Three Year "Alpha Series by VITEK" Warranty effective September 1st 2010. "Alpha Series by VITEK" products purchased prior to September 1st 2010 carry a one (1) year warranty.

** Three Year Warranty on all products except Alpha Series became effective on April 1st 2009. Legacy Products purchased prior to April 1st 2009 carry a two (2) year warranty.

This warranty shall not apply to repairs or replacements necessitated by any cause beyond the control of VITEK, including but not limited to, acts of nature, improper installation, excess moisture, misuse, lack of proper maintenance, accident, voltage fluctuations, or any unauthorized tampering, repairs or modifications. This warranty becomes VOID in the event of alteration, defacement, or removal of serial numbers.

Within the first 6 months of purchase, VITEK will replace or credit any defective product at the request of the customer (subject to availability) with a new product that equals or exceeds the performance of the original product purchased.

Within the first 6 months of purchase, at its sole discretion, VITEK may issue an advance replacement for a defective product; however, all related costs including, but not limited to shipping and/or delivery charges will be the responsibility of the customer. If upon return inspection a product is determined to be in good working order or shows evidence of misuse, the customer will be responsible for full payment of the original product purchased as well as the replacement product.

Beyond the first 6 month period for the remainder of the warranty, VITEK'S responsibility shall be limited to repairing the defective product, including all necessary parts and related labor costs. At its sole discretion, VITEK may choose to either exchange a defective product or issue a merchandise credit towards future product purchases. Any replacement parts furnished in connection with this warranty shall be warranted for a period not to exceed the remaining balance of the original equipment warranty.

A Return Authorization number or "RA" number must be obtained prior to the return of any item for repair, replacement, or credit. VITEK requires that this "RA" number be clearly printed on the outside of the shipping carton to avoid refusal of said shipment. The Return Authorization number expires after 30 days. Products returned after the 30 day period will be subject to refusal. Shipping charges, if any, must be prepaid. A copy of the bill of sale (or invoice of purchase), together with a complete written explanation of the problem must accompany all returns.

Vitek makes no warranty or guarantee whatsoever with respect to products sold or purchased through unauthorized sales channels. Warranty support is available only if product is purchased through a Vitek Authorized Reseller.

CLASS A DIGITAL DEVICE (INDUSTRIAL & COMMERCIAL ENVIRONMENT)

CLASS A DIGITAL DEVICE (INDUSTRIAL & COMMERCIAL ENVIRONMENT) This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to CE and FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



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