

# Cloud Release Management System

## User Manual

(V 4. x. x)

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# **1. Introduction**

## **1) System Overview**

Cloud Release Management System (Digital Signage Cloud Release Management System) is the Company's self-developed new media technology, which builds a highly flexible and individualized information interaction platform based on multimedia information distribution system. The platform adopts network technology to realize real-time advertisement or program updates, and accepts interactive activities and information inquiries from audience.

Cloud Release Management System applies to large-scale stores, outdoor advertisements, product display, man-machine interaction, etc. It is managed by a service server and controls every terminal's contents, material management, style management, and task allocating and authority management. Client server can make a terminal not only play videos, pictures, text information, but also provide users the touch-screen interactive searching system. Cloud Release Management System can manage and monitor the chain stores in the whole city, even in the whole country; its advantages which other similar products cannot compare with includes stable system, the best display effect, beautiful interface, rich contents, searching information in network. Also this system supports plenty of media file formats, like videos, images, texts, web pages, PPT, etc. and all of these make the Cloud Release Management System become a modern intelligent platform and be one of the best terminal system.

With technological advantages, Cloud Release Management System subverted the traditional advertising mode and is leading advertisement & media industry to a new development age. We are looking forward that Cloud Release Management System will become the first choice of strategic method and display way of new media.

## **2) System Advantages**

Cloud Release Management System simplified the steps of delivering information and is more convenient than the old version. Now this management system has the following advantages:

1. The system supports classification management for folders.
2. The system has the function of scheduling layout and plenty of playing forms.
3. The system can manage a lot of terminals in different industries and different areas.
4. The system has detailed classified data statistics: log, material playing, fault conditions, user operation, etc..
5. The system has the perfect warning system.
6. The system supports role classification and privilege management.

## **2. Main Functions**

### **1) Introduction for Main Functions**

Materials page: Upload, classify, verify and manage the materials

<Video formats: *AVI, MOV, MPEG, MP4, RMVB, RM, DAT, TS, WMV, FLV, PPT, PPTX*>  
<Audio formats: *MP3, WMA*>  
<Image formats: *JPG, JPEG, GIF, PNG, BMP*>  
<Text formats: *TXT(UTF-8)*>  
<Other formats: *SWF, HTML, DOC, DOCX, XLS, XLSX*>

Programs page: Edit the layouts for terminals; save layouts or release them to the terminals directly

Terminals page: It contains all the operations for terminals, such as add, edit, delete, change, search, monitor, remote power off, restart, etc.

System page: It contains operation log, playing log, software update.

Privilege Management: add, delete, change, search and manage the role's permission.

### **2) System Usage Index**

#### **2. 1 Operation Steps**

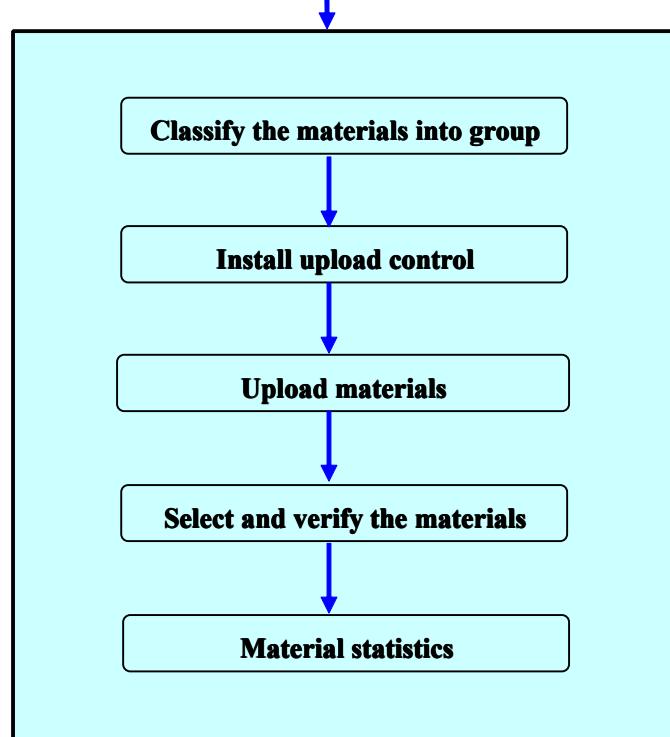
- A、Login
- B、Add and verify the materials
- C、Manage terminals
- D、Make programs, add playing contents, save and deliver the programs
- E、User Management
- F、Log Management
- G、Software Update

#### **2. 2 Operation Flow**

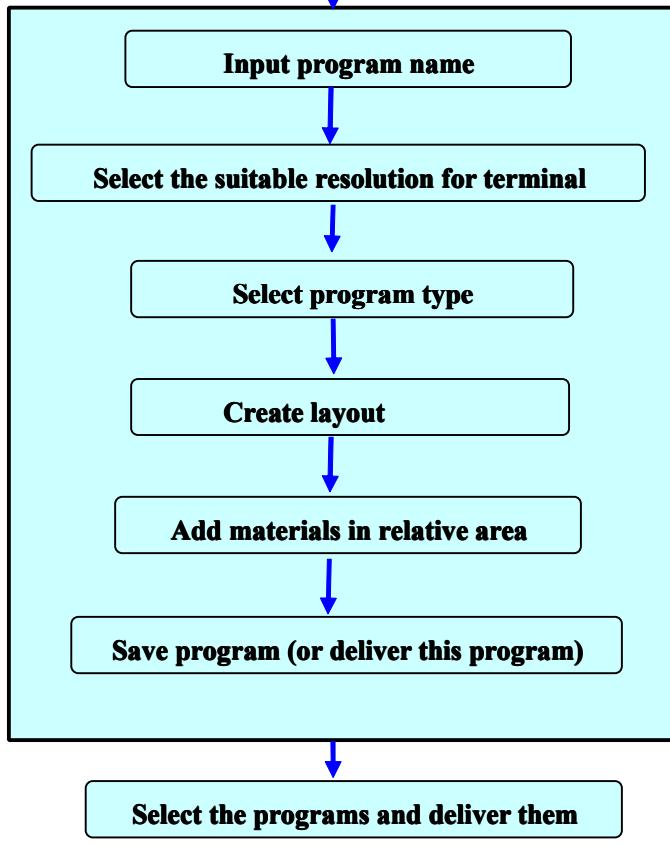
##### **Operation Flow**

**Enter Materials page**

## Materials



Edit and  
Deliver  
Program



### 3) Environmental Requirements

Hardware:

- CPU: dual-core 1.8G or above
- Memory: at least 1G, recommend 2G
- Network Bandwidth: above 2M

Software:

- OS: windows XP sp3 or windows 7 32-bit
- Browser: IE7 or above
  - Firefox
  - Chrome (recommend)

## 3. Instruction for Use

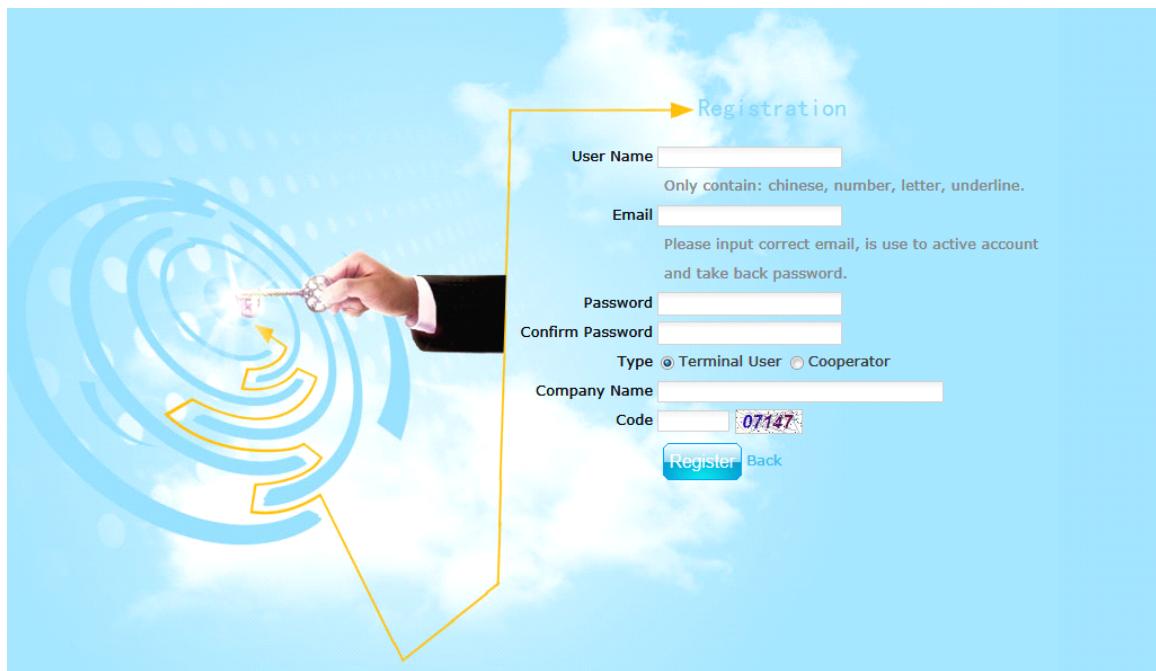
### 1) Login

Open Browser and input <http://www.pubds.com/Member/Home/LogOn> in the address bar (3.1.1)



(3.1.1)

Click *Register* button and then enter relative registration information



(3.1.3)

## 2) Materials

Materials page: Upload, classify, verify and manage the materials

<Video Formats: AVI、MOV、MPEG、MP4、RMVB、RM、DAT、TS、WMV、FLV、PPT、PPTX>

<Audio Formats: MP3、WMA>

<Image Formats: JPG、JPEG、GIF、PNG、BMP>

<Text Formats: TXT(UTF-8 格式)>

<Other Formats: SWF、HTML、DOC、DOCX、XLS、XLSX>

Click the *Enter PubDS* in Member Center page, the PubDS page shows (3.3.1)

The screenshot shows the 'Account Information' section of the PubDS interface. It displays the following user details:

User Name	pro	Name	asafb
Contact Number	33fds	Email	a@a.com
Corporation	测试	System Version	Professional Edition
Last Login Time	3/5/2013 6:01:45 PM	Number of Logins	1230
Role	Super Manager Device Manager Program Manager System Setting	Status	Active

Tips: We recommend using Google Chrome for better user experience. [Click here](#) to download Google Chrome!

(3.3.1)

Click to enter the Materials page (3.2.2)

**Digital Signage Management System**

Materials Programs Terminals System

Material List							Details		
Material Category	File Name	Category	File Size	Convert Status	Review Status	Uploaded At	Description	Name	Value
All	54F94FEAB70F7AFFAB4F14BA39...	Audio	9.28 MB	Waiting	Pending	2012-11-22 13:38:26			
Video	Hydrangeas.jpg	Picture	581.33 KB	Finished	Approved				
Audio	8C03E0D02375FD87DFE345B7FA8...	Text	6.00 KB	Waiting	Pending	2012-11-12 11:38:35			
Flash	0976550fc5887942158550b8e9...	Video	3.07 MB	Waiting	Pending	2012-11-09 18:18:24			
Picture	01bf762325565027fb679d9d973...	Text	0.00 KB	Waiting	Pending	2012-11-09 18:18:18			
Text	01321f63110853a720eb99f8060...	Video	3.12 MB	Waiting	Pending	2012-11-09 18:18:02			
Office	f22cdbe502f1bcdc03ed0ce8d47c...	Video	6.66 MB	Waiting	Pending	2012-11-09 18:08:26			
	d8c2eaef90c266e19ab9dcacc479...	Video	25.03 MB	Waiting	Pending	2012-11-09 18:08:26			
	7188ad376bab6d22fe8b0838215...	Video	22.20 MB	Waiting	Pending	2012-11-09 18:08:26			
	3b446c6c771b2231266ae702a5f...	Video	2.25 MB	Waiting	Pending	2012-11-09 18:08:26			
	39281c03fe1a7499ced57355242...	Video	4.35 MB	Waiting	Pending	2012-11-09 18:08:25			
	2c8f06739c09420100b86f08d0...	Video	93.94 MB	Waiting	Pending	2012-11-09 18:08:25			
	17c911f9889405992c6667b620...	Text	0.89 KB	Waiting	Pending	2012-11-09 18:08:25			
	06614ef9aa14204107eb21f64...	Video	8.27 MB	Waiting	Pending	2012-11-09 18:08:25			
	0c7ae13d446f8c1b9dad5df397ef...	Text	8.27 KB	Waiting	Pending	2012-11-09 18:08:24			
	0976550fc5887942158550b8e9...	Video	3.07 MB	Waiting	Pending	2012-11-09 18:08:24			
	01bf762325565027fb679d9d973...	Text	0.00 KB	Waiting	Pending	2012-11-09 18:08:24			
	01321f63110853a720eb99f8060...	Video	3.12 MB	Waiting	Pending	2012-11-09 18:08:24			
	f22cdbe502f1bcdc03ed0ce8d47c...	Video	6.66 MB	Waiting	Pending	2012-11-09 18:08:25			
	d8c2eaef90c266e19ab9dcacc479...	Video	25.03 MB	Waiting	Pending	2012-11-09 18:05:24			
	7188ad376bab6d22fe8b0838215...	Video	22.20 MB	Waiting	Pending	2012-11-09 18:05:24			
	3b446c6c771b2231266ae702a5f...	Video	2.25 MB	Waiting	Pending	2012-11-09 18:05:24			

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### (3. 2. 2)

Click  **Upload** to upload materials (3.2.3)

*Note: You need to install Silverlight while you use the system at the first time.*

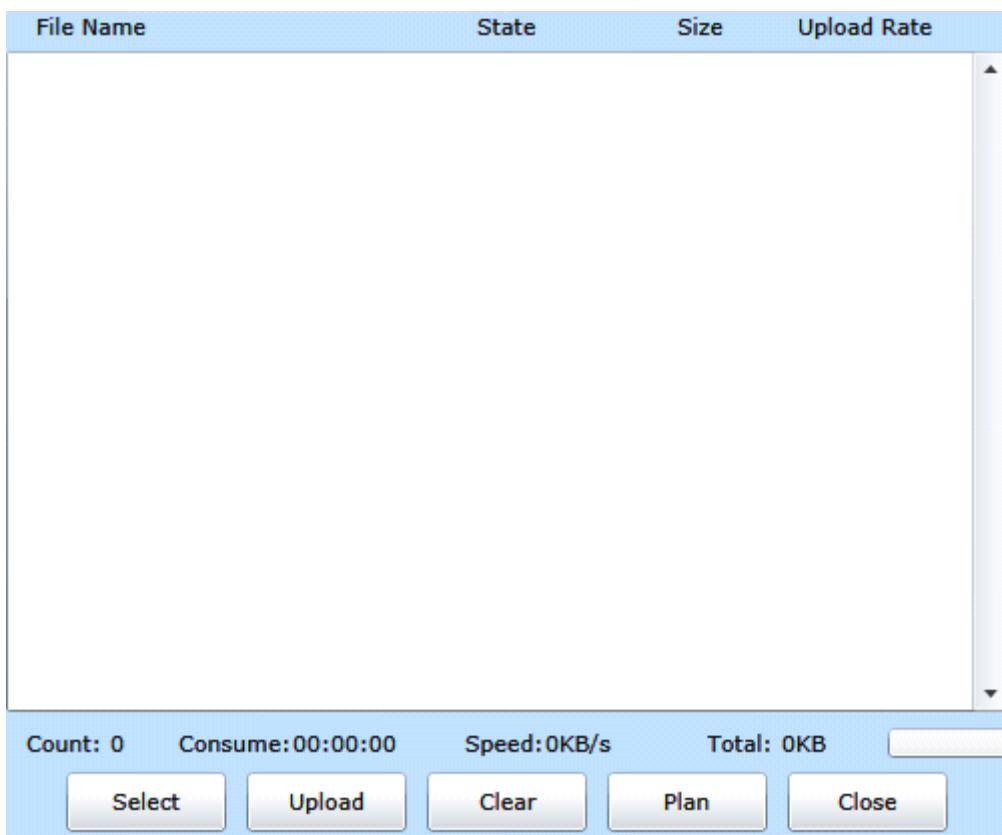
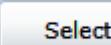


图 (3.2.3)

Click  **Select** to upload local materials (3.2.4)

File Name	State	Size	Upload Rate
20120106113549_638.jpg	Pending	139.65KB	[ ]
20120106113549_638_150_100.jpg	Pending	18.94KB	[ ]
20120106114056_812.jpg	Pending	235.08KB	[ ]
20120106114056_812_150_100.jpg	Pending	17.58KB	[ ]
20120106114908_597.jpg	Pending	94.78KB	[ ]
20120106114908_597_150_100.jpg	Pending	12.17KB	[ ]
20120106115314_915.jpg	Pending	93.79KB	[ ]
20120106115314_915_150_100.jpg	Pending	18.54KB	[ ]
20120106131848_613.jpg	Pending	178.73KB	[ ]
20120106131848_613_150_100.jpg	Pending	18.06KB	[ ]
20120106132320_017.jpg	Pending	52.60KB	[ ]
20120106132320_017_150_100.jpg	Pending	19.05KB	[ ]
20120106132905_937.jpg	Pending	214.13KB	[ ]
20120106132905_937_150_100.jpg	Pending	18.44KB	[ ]
20120106133221_715.jpg	Pending	115.19KB	[ ]

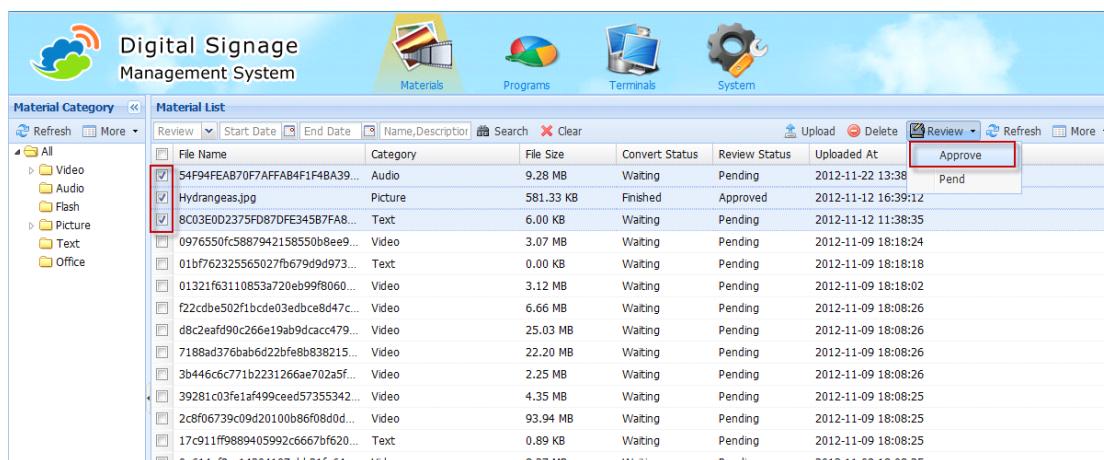
Count: 15   Consume:00:00:00   Speed:0KB/s   Total: 0KB

Select   Upload   Clear   Plan   Close

(3.2.4)

Select the uploaded materials and click  to verify them (3.2.5)

Note: The materials that are not verified cannot be delivered to the terminals.



The screenshot shows the Digital Signage Management System interface. On the left, there's a sidebar with categories: All, Video, Audio, Flash, Picture, Text, and Office. The main area is titled "Material List" and contains a table with columns: File Name, Category, File Size, Convert Status, Review Status, Uploaded At, and Approve. Several files are listed, including "Hydrangeas.jpg" which is checked and has "Approved" status. A red box highlights the "Approve" column header. At the top of the table, there are filters for Review, Start Date, End Date, Name, Description, and a search bar.

(3.2.5)

### 3) Programs

Click  to enter Programs page (3.3.1)

Digital Signage Management System

Materials Programs Terminals System

Program List

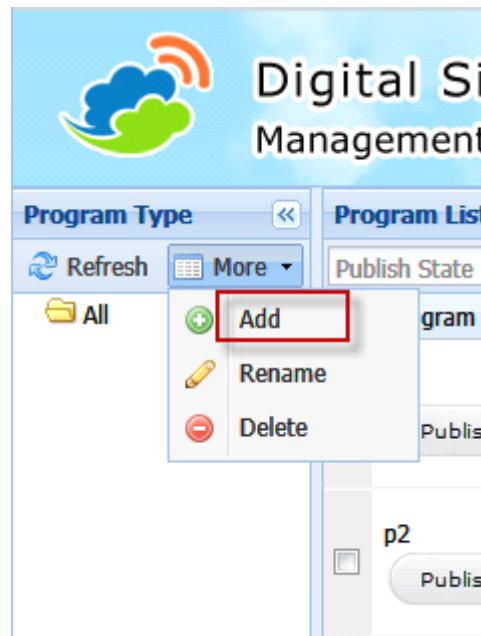
Program Name	Preview	Operation	Category	Priority	Program Type	Status	Resolution	Creation Time
bsTest				5	Program	Published	640*480	2012-12-04 11:33:04
Test123				5	Program	Published	640*480	2012-11-22 14:22:37
Program				5	Program	Published		2012-11-20 17:55:29
ProgramTJ			01	5	Program	Published		2012-11-20 17:46:19
ProgramTe				5	Program	Published		2012-11-20 17:18:32
ProgramTest				5	Program	Published		2012-11-20 17:17:24
Program_1120163905				5	Program	Published		2012-11-20 16:40:46

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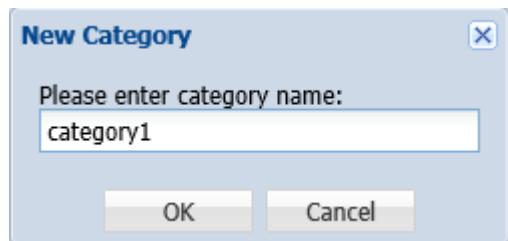
(3.3.1)

Program Type: Users can classified the programs according to areas, industries, etc.. (3.3.2)



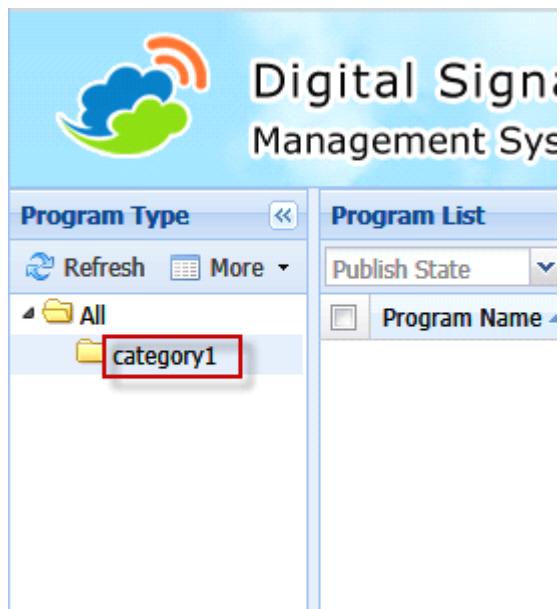
(3.3.2)

Enter the New Category name (3.3.3)



(3.3.3)

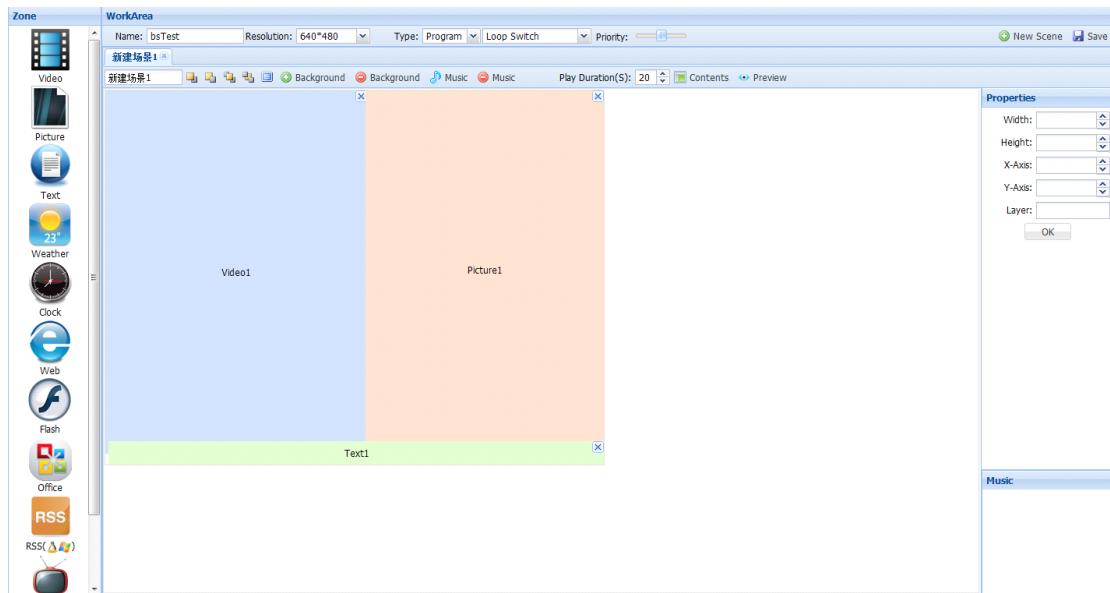
Generate a new program category (3.3.4)



(3.3.4)

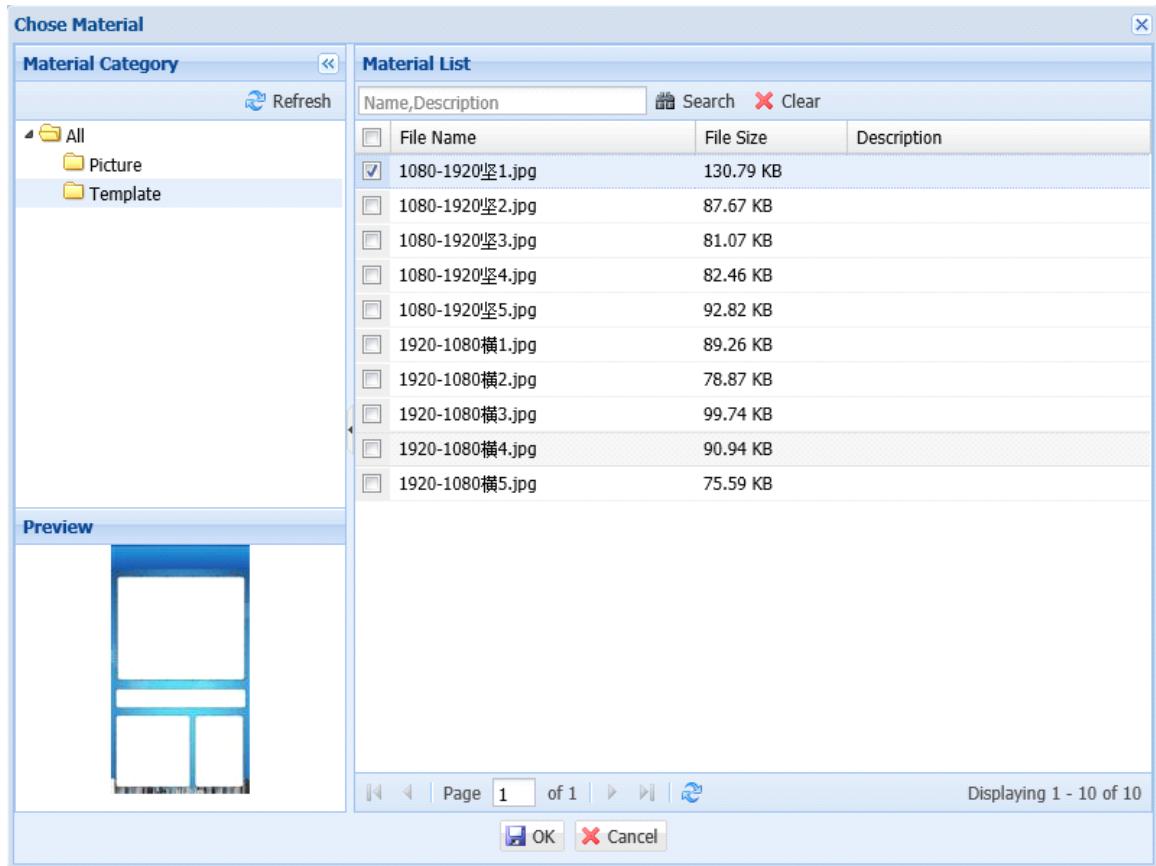
Click *New Program* to enter the Work Area.  
You can input the “Name” , “Resolution” , “Type” . (3.3.5)

*Note: The Terminals with Different Operation Systems support different functions, please note the icons behind the area name.*



(3.3.5)

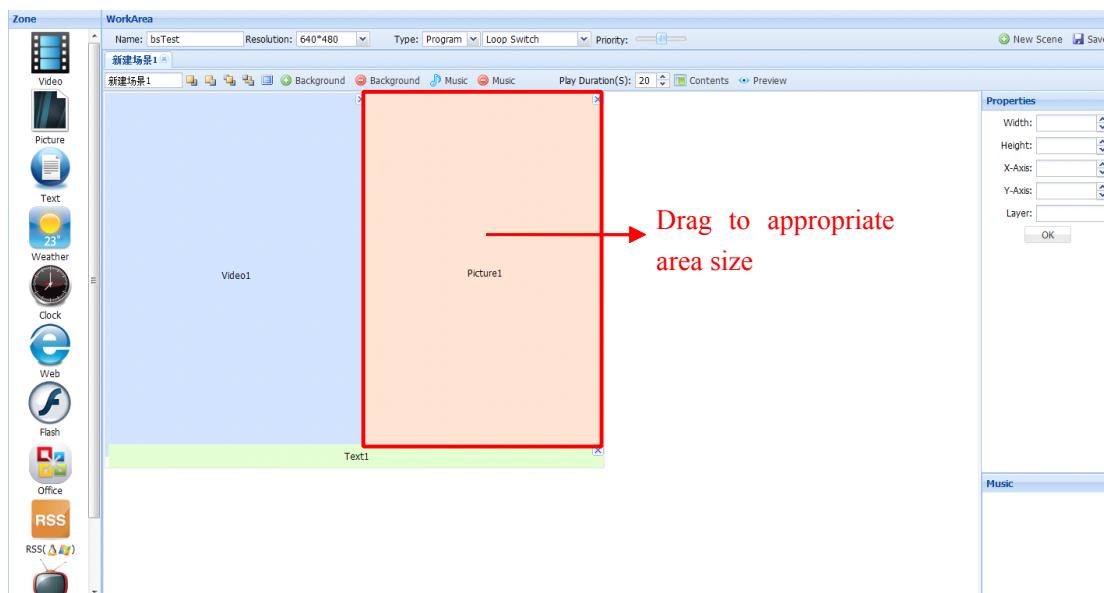
Click  **Background**  **Background** to add/delete background (3.3.6)



(3.3.6)

Add Zones: click    to add different areas (you can add more than one area).

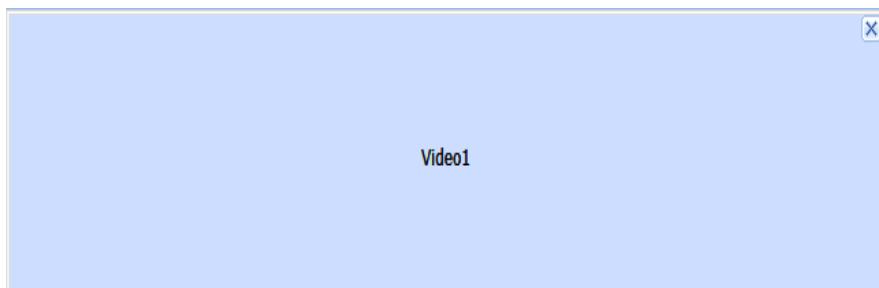
Program zones: Drag the areas to change its size and position



Add Materials in the layout:

Select the video zone

Click Content button to add video materials (3.3.7)



Contents

Video	Time Settings	Selected Materials(drag up or down to order)							
Material Category Name, Description Search	Start Time 06:00	<input checked="" type="checkbox"/> BigBuckBunny_640x360.mp4							
<input type="checkbox"/> File Name <input type="checkbox"/> BigBuckBunny_640x360.mp4 <input type="checkbox"/> 693.flv	End Time 23:00								
	◀ ▶								
◀ ▶ Page 1 of 1									
Preview	Material Property								
	File Name	File Size	Start Time	End Time	Duration	Play Duration	Width	Height	Full
BigBuckBunny_640x360....	3.07 MB	06:00	23:00	00:00:27	Nomal	640	360	No	

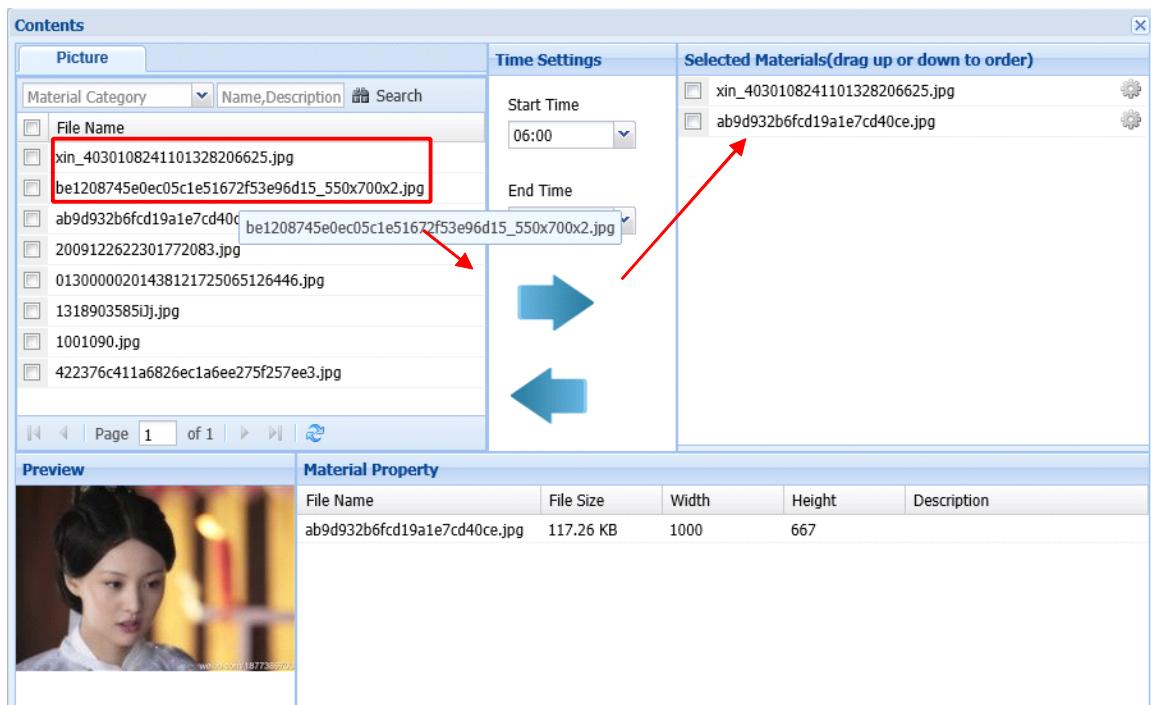
The interface shows a list of video files in the 'Video' tab, with 'BigBuckBunny\_640x360.mp4' selected. The 'Time Settings' section shows start and end times. The 'Selected Materials' section contains one item. Red arrows indicate the flow from the selected file in the list to the time settings and then to the selected material list. A blue double-headed arrow is between the time settings and the selected material list. The 'Material Property' table at the bottom provides detailed information about the selected file.

(3.3.7)

Select the image zone

Click Content button to add picture materials (3.3.8)

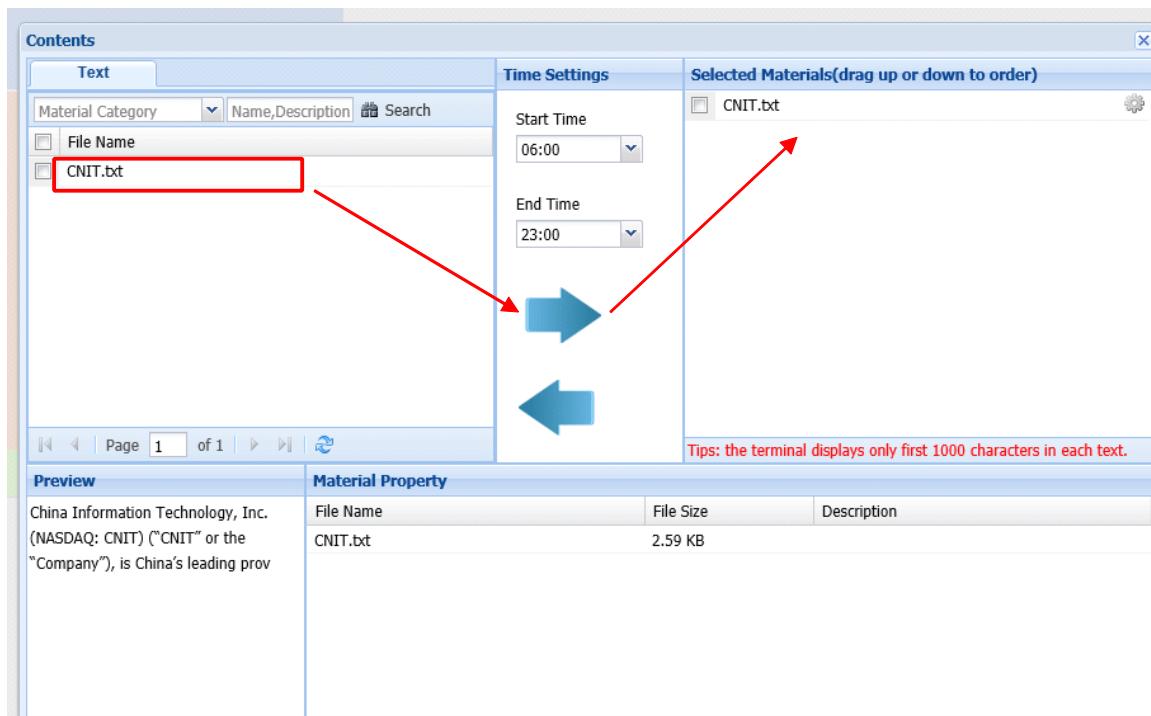
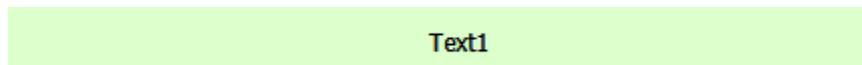




(3.3.8)

Select the Text zone

Click *Content* button to add text materials (3.3.9)



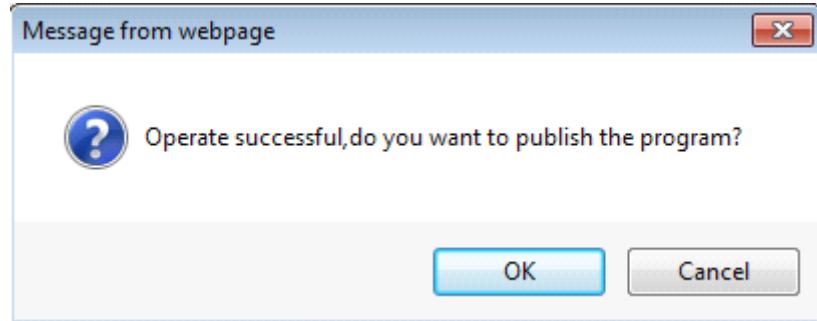
(3.3.9)

*Note: If you edit the web zone, you have to make sure the website is in the white list.*

*Path: System→website white list*

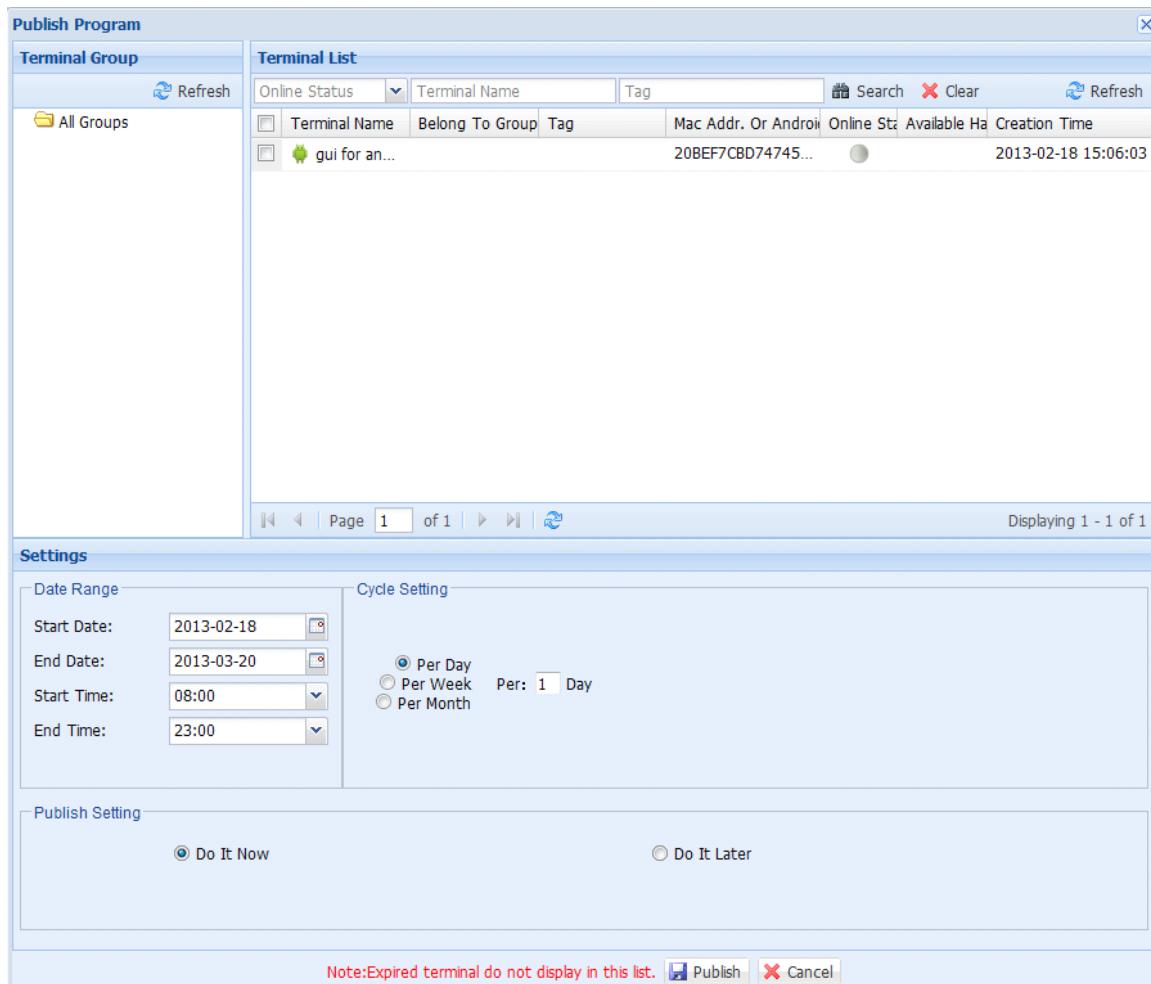
Click Save after adding materials, the system will remind you whether you want to deliver the current layout. (3.3.10)

Click Confirm to enter the Publish Program page and release this layout to appointed terminals. (3.3.11)



(3.3.10)

Choose the Terminal Group you want and then publish (3.3.11)



The screenshot shows the 'Publish Program' interface. In the 'Terminal List' tab, there is one entry: 'gui for an...' with a small Android icon, Mac Addr. Or Android ID '20BEF7CBD74745...', Online Status 'Available', and Creation Time '2013-02-18 15:06:03'. The 'Settings' tab contains 'Date Range' (Start Date: 2013-02-18, End Date: 2013-03-20), 'Cycle Setting' (radio buttons for Per Day, Per Week, Per Month, with 'Per Day' selected), and 'Publish Setting' (radio buttons for 'Do It Now' and 'Do It Later', with 'Do It Now' selected). A note at the bottom states 'Note: Expired terminal do not display in this list.' and there are 'Publish' and 'Cancel' buttons.

(3.3.11)

Program→Operation→Copy:

Click Copy to copy current program (3.3.12)

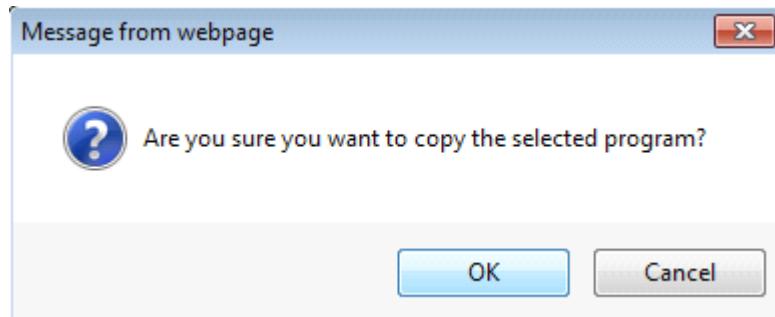


图 (3.3.12)

View Schedule:

Click View Schedule to check the schedules for any terminals (3.3.13)

A screenshot of a software application window titled 'View Schedule'. On the left, there are two panes: 'Terminal' (showing 'All Terminals' and 'gui for android') and 'Program' (showing 'All Programs' and 'p1'). The main area is a calendar for February 2013, with days from 27 to 28 at the top. Each day cell contains a small yellow box with text indicating a scheduled program. For example, on February 18, it says '8a Program: pl Terminal: gui for android'. The calendar has navigation buttons for 'today', arrows for months, and tabs for 'month', 'week', and 'day'.

(3.3.13)

Template Manage:

Users can use templates to create programs.

Click Programs→Template manage



3.3.14

Template List		Preview	Operation	Category	Resolution	Creation Time
<input type="checkbox"/>	m2 Value 	 Edit  Copy  Delete	640*480		2013-02-18 15:15:14	
<input type="checkbox"/>	m1 Value 	 Edit  Copy  Delete	640*480		2013-02-18 15:15:04	

图 (3.3.14)

### Create Template:

Click *New Template*

The creation flow is similar with the program creation flow. The template cannot be published.

### Make Program

You can make the program based on the template you just created.

## 4) Terminals



Click  to enter the Terminals page (3.4.1)

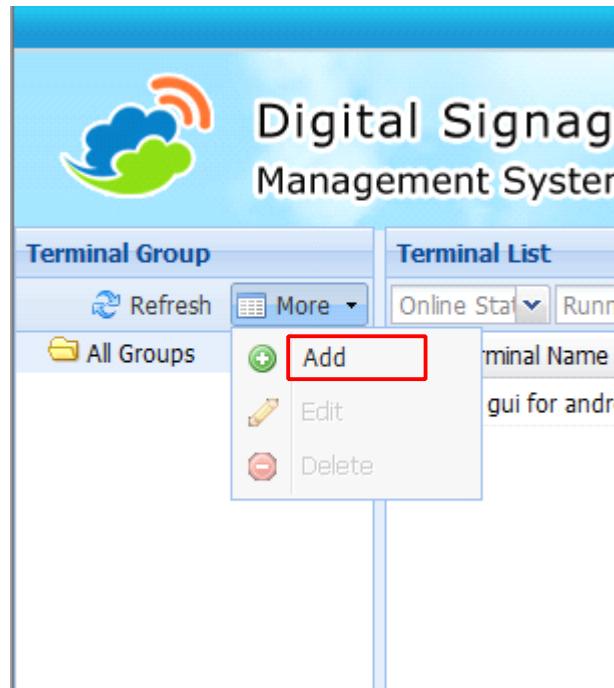
*Note: The icon which is in front of the terminal name should be the OS type.*

Digital Signage Management System		Materials	Programs	Terminals	System	pro Account Information Member Center Help Sign Out			
Terminal Group		Terminal List						More Refresh	
<input type="checkbox"/> All Groups									
<input type="checkbox"/>	g1	Online Str	Running S	Terminal Name	Mac Addr. Or Androi	Tags	Mac Addr. Or Androi	Online Str	Running S Download State
									District
									Avaliable Ha Last Online Time
				g2	08002700164B				   
				终端12	1C6F656A1B16				   
				qianyou	1C6F652E5738				   

(3.4.1)

Click Terminal Group → More → Add to add your own terminal group (3.4.2–3.4.4)  
**Standard Edition: Dormancy time should be one period.**

Professional Edition: Dormancy time have 3 periods.



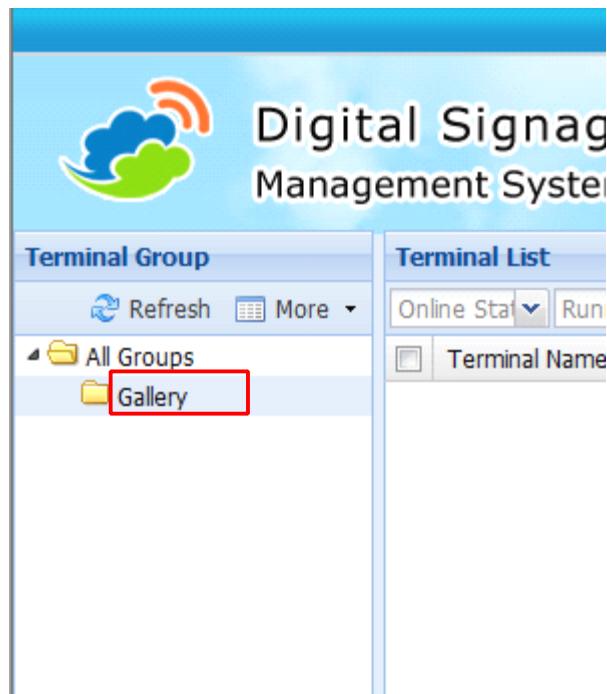
(3.4.2)

New Terminal Group

Group Name(*):			
Auto Power On/Off Settings			
Auto On:	07:30	Auto Off:	23:30
Auto On:		Auto Off:	
Auto On:		Auto Off:	
Note : Auto on/off setting makes the terminal reboot in Windows PC.			
Sleep Settings			
Sleep Time:		WakeUp Time:	
Sleep Time:		WakeUp Time:	
Sleep Time:		WakeUp Time:	
Volume:	10	Overlap Play Mode	Loop Playback

Save Cancel

(3.4.3)



(3.4.4)

#### Terminal Information Management

Click *Terminal List* → *Download State* to check the download status (3.4.5)

Details						
gui						
File Name	File Size	Progress	Speed	State	Start Time	End Time
CNIT.txt	2.596KB	100%	48.07Kb/s	Finished	2013-02-20 09:39:21	2013-02-20 09:39:21
BigBuckBunny_640x3...	3.077MB	100%	0.78Mb/s	Finished	2013-02-20 09:39:17	2013-02-20 09:39:19

Page 1 of 1 | < > | Displaying 1 - 2 of 2

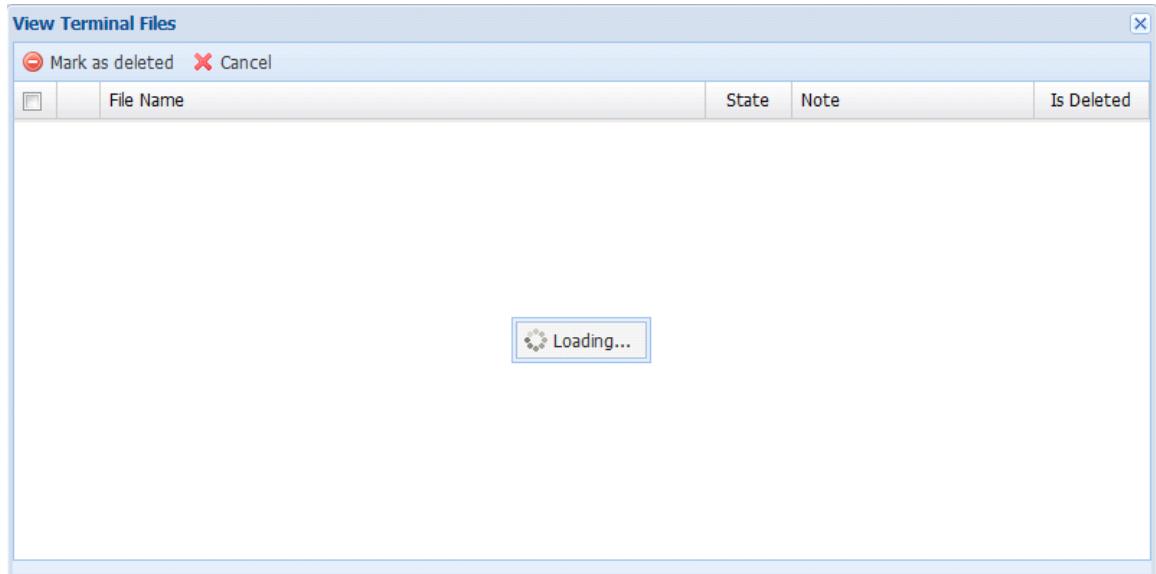
(3.4.5)

Click to check the playing contents (3.4.6)

View Playing Contents					X
	Program Name	Scene Name	File Type	File Name	Material Preview
●	p2	New Scene1	Picture	1001090.jpg	
●	p2	New Scene1	Picture	422376c411a6826...	
●	p2	New Scene1	Picture	13189035850j.jpg	

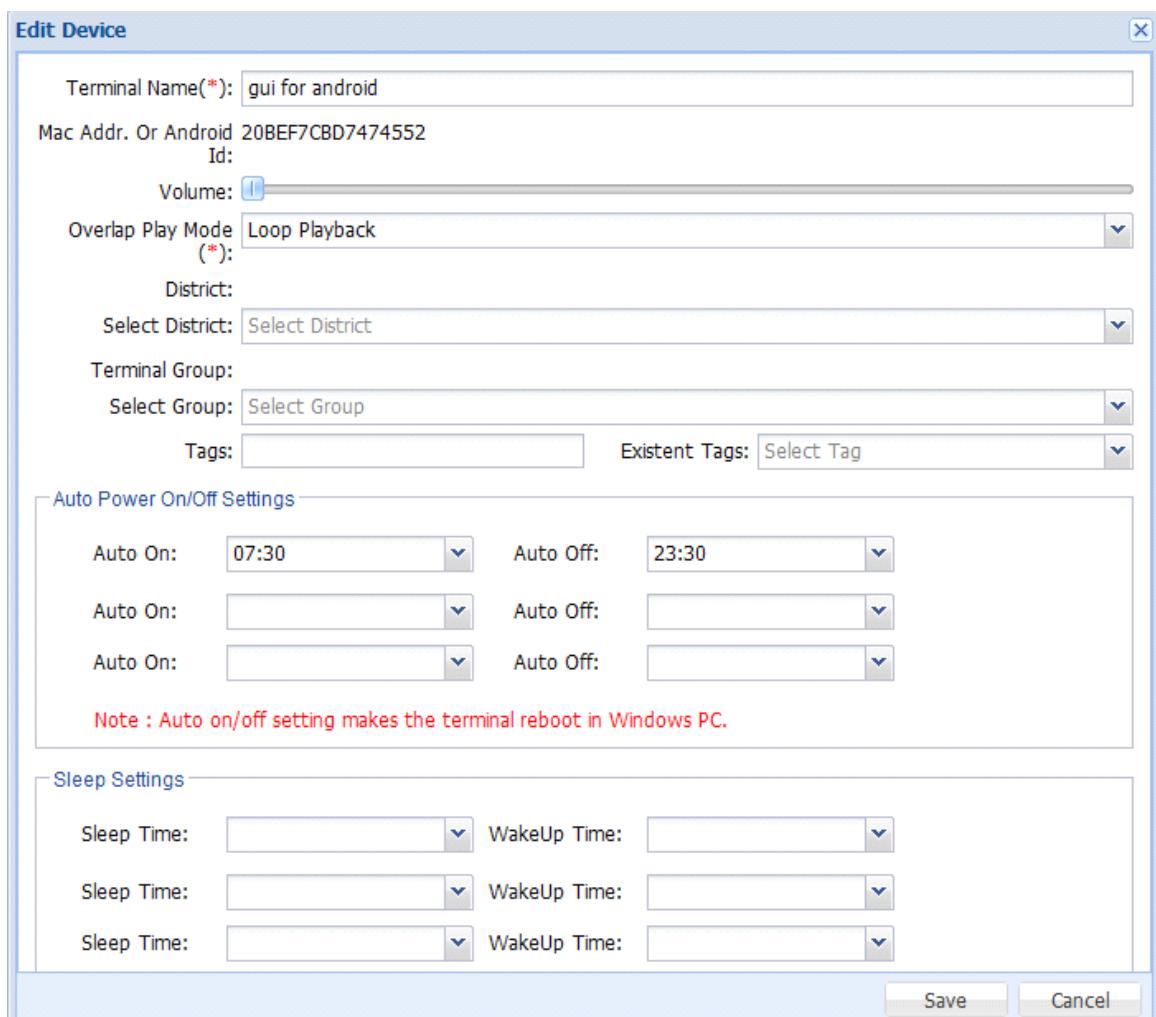
(3. 4. 6)

Click  to view the terminal files (include all the files belonged to this terminal) (3. 4. 7)



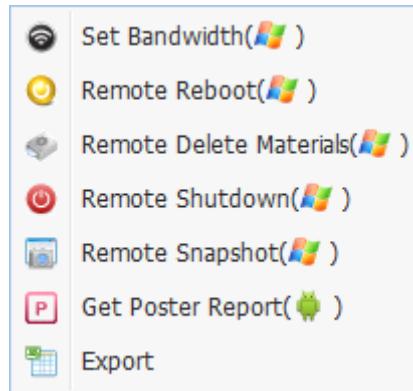
(3. 4. 7)

Click  to edit the terminal information (3. 4. 8)



(3.4.8)

Other functions: Click  to set bandwidth, remote reboot, remote delete materials, remote shutdown, remote snapshot, get poster report and export (3.4.10)



(3.4.10)

Note: The Terminals with Different Operation Systems support different functions, please note the icons behind the function names.

## 5) System



Click to enter the System Page

Select the *Operation Log* to check the relative information  
(3.5.1)

System Management		
Operation Log Terminal Log Terminal Log Analysis Terminal Error Log Terminal Update Website White List		
Start Date	End Date	Search
zoluro	zgui@chinacnit.com	User login (Id: 447, Username: zoluro)
zoluro	zgui@chinacnit.com	发布节目，节目ID: 1212, 终端IDs: 1527
zoluro	zgui@chinacnit.com	发布节目 (类型: 节目, 节目ID: 1212, 节目名: p2)
zoluro	zgui@chinacnit.com	修改节目, 名称: p2
zoluro	zgui@chinacnit.com	发布节目，节目ID: 1211, 终端IDs: 1527
zoluro	zgui@chinacnit.com	发布节目 (类型: 节目, 节目ID: 1211, 节目名: p1)
zoluro	zgui@chinacnit.com	会员登录 (Id: 447, 用户名: zoluro)
zoluro	zgui@chinacnit.com	User login (Id: 447, Username: zoluro)
zoluro	zgui@chinacnit.com	发布节目，节目ID: 1211, 终端IDs: 1527
zoluro	zgui@chinacnit.com	Release program (Type: 节目, ProgramId: 1211, ProgramName: p1)
zoluro	zgui@chinacnit.com	发布节目，节目ID: 1211, 终端IDs: 1527
zoluro	zgui@chinacnit.com	Release program (Type: 节目, ProgramId: 1211, ProgramName: p1)
zoluro	zgui@chinacnit.com	发布节目，节目ID: 1211, 终端IDs: 1527
zoluro	zgui@chinacnit.com	Release program (Type: 节目, ProgramId: 1211, ProgramName: p1)
zoluro	zgui@chinacnit.com	发布节目，节目ID: 1211, 终端IDs: 1527
zoluro	zgui@chinacnit.com	Release program (Type: 节目, ProgramId: 1211, ProgramName: p1)
zoluro	zgui@chinacnit.com	发布节目，节目ID: 1211, 终端IDs: 1527
zoluro	zgui@chinacnit.com	Release program (Type: 节目, ProgramId: 1211, ProgramName: p1)
zoluro	zgui@chinacnit.com	新建终端组, 终端组ID: 106, 名称: Gallery
zoluro	zgui@chinacnit.com	修改节目, 名称: m2
zoluro	zgui@chinacnit.com	复制节目, 节目ID: 1218, 节目名称: m1
zoluro	zgui@chinacnit.com	新增节目, 名称: m1

(3.5.1)

Select the *Terminal Log* to view the relative information (3.5.2)

**System Management**

Operation Log	Terminal Log	Terminal Log Analysis	Terminal Error Log	Terminal Update	Website White List
Start Date	End Date	Fault Type	Terminal Name	Search	Clear
Terminal Name				Fault Type	Report Time
Note					

(3.5.2)

Select the *Terminal Log Analysis* to check the relative information (3.5.2)

**System Management**

Operation Log	Terminal Log	Terminal Log Analysis	Terminal Error Log	Terminal Update	Website White List
Start Date	End Date	<input checked="" type="radio"/> Day	<input type="radio"/> Week	<input type="radio"/> Month	<input type="radio"/> Year
Search			Clear		
Date Range			Shutdown	Reboot	

(3.5.2)

Select the *Terminal Error Log* to check the relative information (3.5.3)

The screenshot shows the 'System Management' interface with the 'Terminal Error Log' tab selected. At the top, there is a navigation bar with tabs: Operation Log, Terminal Log, Terminal Log Analysis, Terminal Error Log (which is highlighted in blue), Terminal Update, and Website White List. Below the navigation bar is a search bar with fields for 'Start Date', 'End Date', 'Terminal Name', a 'Search' button, and a 'Clear' button. Underneath the search bar is a table header with columns: Terminal Name, Version, Error Code, Severity Level, Module, and Error Info.

(3.5.3)

Select the *Terminal Update* to remote update the appointed terminal (3.5.4)

The screenshot shows the 'System Management' interface with the 'Terminal Update' tab selected. At the top, there is a navigation bar with tabs: Operation Log, Terminal Log, Terminal Log Analysis, Terminal Error Log, Terminal Update (which is highlighted in blue), and Website White List. On the left side, there is a sidebar titled 'Terminal Group' with a 'Refresh' button and a tree view showing 'All Groups' and 'Gallery'. The main area is titled 'Terminal List' and contains a search bar with fields for 'Online Status', 'Terminal Name', 'Tags', 'AndroidVersion', a 'Search' button, and a 'Clear' button. Below the search bar is a table with columns: Terminal Name, Terminal Group, and Tags. At the bottom of the page is a pagination control with buttons for navigating through pages.

(3.5.4)

#### Website White List

If you add the web zone in the program page, the website address should be in this Website White List. (3.5.5)

System Management		
Website Name	Top Level Domain	Description
<input type="checkbox"/> Website Name	Top Level Domain, IP(eg:qq.com,202.113.196.112)	
<input type="checkbox"/> google	google.com	

(3.5.5)