

Network Signage Player NP-40 (Multiple Zones)

User Guide



I. Introduction:

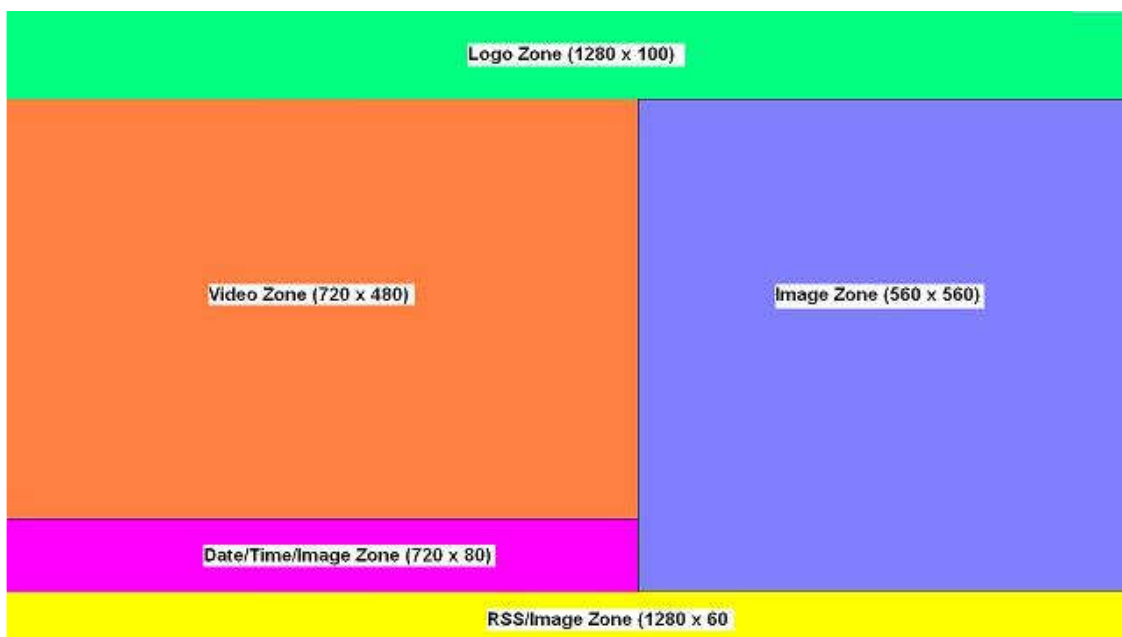
NP-40's management software (CAT and iCAT) are compatible with NP-30 plus additional multiple zones features.

Few NP-30 features are no longer supported due to multiple zones feature.

1. No 1080i output: Video output are 720p(1280x720) YPbPr or VGA out.
2. No full screen image playback: this is changed to multiple zones.
3. No jpeg transition effect, only full screen change on NP-40.

II. Screen Layout:

There are 5 zones including top banner zone, video zone, image zone, time zone and bottom RSS zone. (See Figure1) All resolution sizes are fixed.



<Figure 1>

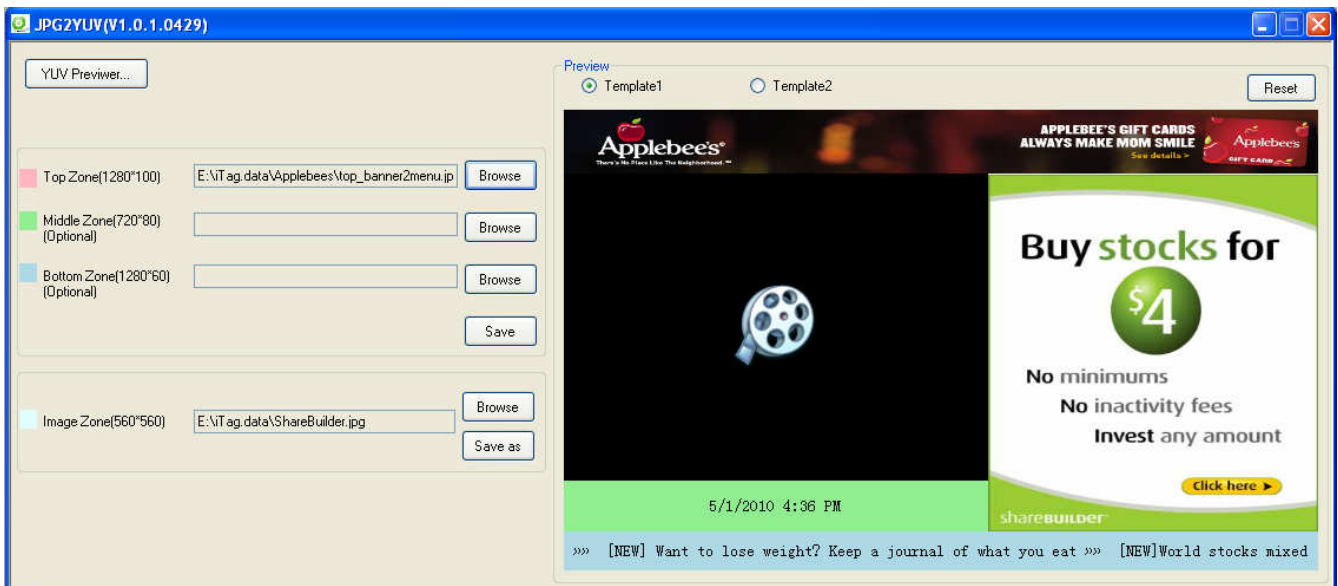
1. Top Zone (1280x100): For company logo or any image in jpeg format.
2. Video Zone (720x480): All video or jpeg files on playlist will playback here.
3. Image Zone (560x560): For any still image data. Each slide will last 10 seconds then go to next one. No limit on number of jpeg files.
4. Time Zone (720x80): Default is date and time. Also allow to load still

image.

5. RSS Zone (1280x60): Display RSS news ticker or instant message like before. Also allow to load still image.

III. Software Utility “JPG2YUV.exe”

1. All jpeg files except ‘Video Zone’ must be converted to YUV format before loading to player. A software utility “jpg2yuv” is provided for such conversion below.



2. Use any picture editing software to create these banner or logo image files in JPG or BMP format. Best quality is follow proper resolution as listed.
3. jpg2exe will auto-scale to fit if not exact resolution . Best quality is 1:1 ratio.
4. YUV Viewer: point to any YUV file and image will be displayed on preview window.
5. If jpeg is not converted to YUV, those jpeg files will go to Video Zone.

IV. Top Zone/Middle Zone/Bottom Zone:

1. Browse proper jpeg files and click “Save” to any designated folder.

2. Filename will be added few letters for player to recognize and put into right zone area.

Top Zone: <filename>.jpg => <filename>_tz1.yuv ; template 1
 <filename>.jpg => <filename>_tz2.yuv ; template 2
Middle Zone: <filename>.jpg => <filename>_mz.yuv
Bottom Zone: <filename>.jpg => <filename>_bz.yuv

3. Those special YUV files can be added into playlist. No need any order. But only allow one kind each on playlist. Suggest to put those YUV files at the beginning of playlist.

V. Image Zone:

1. Browse proper jpeg files and click “Save” to any designated folder.
2. <filename>.jpg => <filename>.yuv ;extension only
3. All image YUV files can be added into playlist. File order is playback order. Each image will last for 10 seconds then go to next one and loop. Not related to video playback.

V. Time Zone:

1. This time zone will show date and time as default. Date and time format can be selected from Setup/Preference.
2. Date format: mm/dd/yyyy or dd/mm/yyyy or yyy/mm/dd
3. Time format: 12H or 24 H
4. Date/time zone can be replaced by new image by loading with mz.yuv file. Once mz.yuv file is removed from playlist, date/time will appear again.

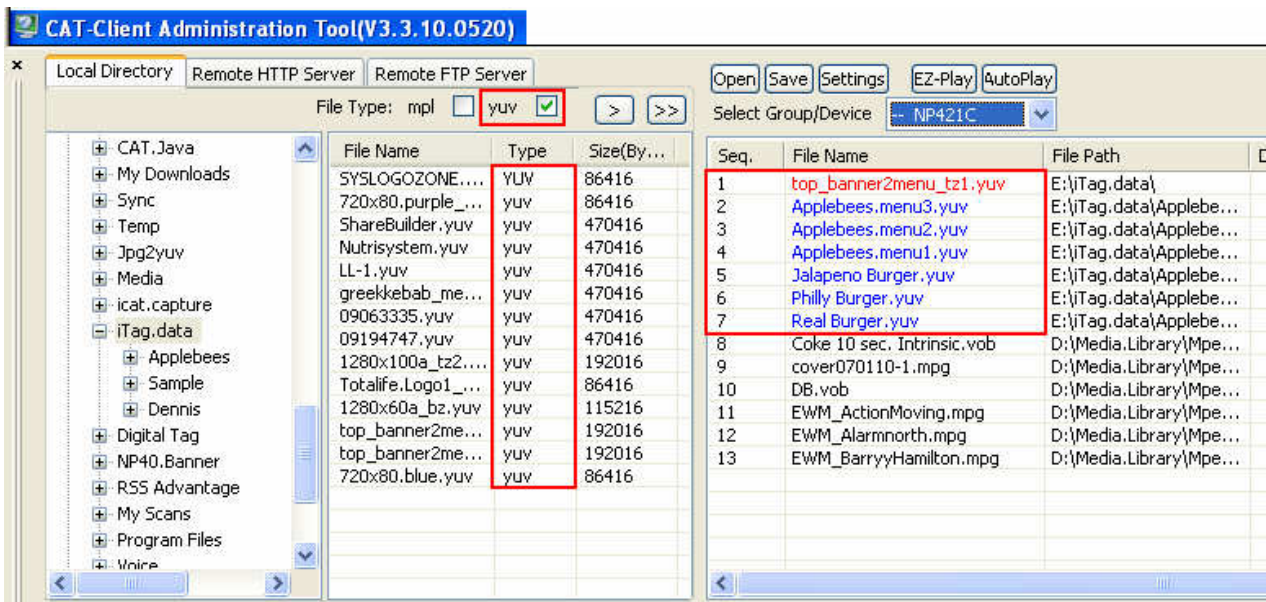
VI. Video Zone:

1. Media file format support are MPEG2 .mpg, .vob and MPEG4 .avi, .xvid, .divx
2. Video source is 720x480 SD resolution. jpeg source will be scaled to 720x480.
3. Multiple Zone feature will consume more CPU bandwidth to process multiple data. If video playback has jerk, pause, mosaic effect, not smooth situation, please use video editor tool to lower bitrate.

4. mpeg2 video source and bit rate below 5Mbps are strongly suggested to use.
5. If must use mpeg4, bit rate is below 1M bps.
6. For PAL 720x576 resolution, only middle 480 lines will be displayed on video zone.

VII. CAT V3.3

1. A new CAT V3.3 or after is required to allow .YUV files appear on the playlist. Same user behavior like before.



2. Once Playlist is sent to player. Player will base on these special .yuv files to show images on different zones.

VIII. iCAT

1. iCAT is the same usage. No change. Just upload special YUV files into Media Library and use them in the Program Editor.

HOME GROUP PLAYER **MEDIA LIBRARY** TICKER PROGRAM

Home » Media

Add Media: HTTP OR FTP OR LOCAL

<input type="checkbox"/>	Media	Type	Source	Folder	Size	Description
<input type="checkbox"/>	Philly Burger	YUV	LOCAL	YUV Banner	918KB	
<input type="checkbox"/>	Lucky.logo_bz	YUV	LOCAL	YUV Banner	225KB	
<input type="checkbox"/>	Totalife.Logo1_mz	YUV	LOCAL	YUV Banner	168KB	
<input type="checkbox"/>	top_banner2menu_tz1	YUV	LOCAL	YUV Banner	375KB	
<input type="checkbox"/>	ShareBuilder	YUV	LOCAL	YUV Banner	918KB	
<input type="checkbox"/>	20061221145451325	JPG	LOCAL	Root	359KB	
<input type="checkbox"/>	IceAge2_Trailer	AVI	FTP	Root	10.48MB	
<input type="checkbox"/>	BatmanBegins_1	DIVX	FTP	Root	10.97MB	
<input type="checkbox"/>	ad1p	JPG	LOCAL	Root	103KB	
<input type="checkbox"/>	IMG_1292	JPG	LOCAL	Root	1.11MB	

↑ Check All / Uncheck All ✕

Media Library		Program Playlist				
Folder: Root		#	Media	Type	Duration	Move to
<input type="checkbox"/>	Totalife.Logo1_mz	<input type="checkbox"/>	1	top_banner2menu_tz1	YUV	1 ✕
<input type="checkbox"/>	top_banner2menu_tz1	<input type="checkbox"/>	2	Totalife.Logo1_mz	YUV	2 ✕
<input type="checkbox"/>	tabako	<input type="checkbox"/>	3	Lucky.logo_bz	YUV	3 ✕
<input checked="" type="checkbox"/>	Sushi 5	<input type="checkbox"/>	4	ShareBuilder	YUV	4 ✕
<input checked="" type="checkbox"/>	Sushi 4	<input type="checkbox"/>	5	Philly Burger	YUV	5 ✕
<input checked="" type="checkbox"/>	Sushi 3	<input type="checkbox"/>	6	Sushi 2	JPG	5s 6 ✕
<input checked="" type="checkbox"/>	Sushi 2	<input type="checkbox"/>	7	Food CasualOutdoorAD	JPG	5s 7 ✕
<input type="checkbox"/>	ShareBuilder	<input type="checkbox"/>	8	cosmaticitems	JPG	5s 8 ✕
<input type="checkbox"/>	Philly Burger	<input type="checkbox"/>	9	BatmanBegins_1	DIVX	9 ✕
<input type="checkbox"/>	may					
<input type="checkbox"/>	Lucky.logo_bz					
<input type="checkbox"/>	Logo					
<input type="checkbox"/>	IMG_1292					
<input type="checkbox"/>	IceAge2_Trailer					
<input type="checkbox"/>	Food ShrimpCocktailAd					
<input checked="" type="checkbox"/>	Food CasualOutdoorAD					
<input checked="" type="checkbox"/>	cosmaticitems					

↑ Check All / Uncheck All ✕

- End -