

4K HEVC IP and USB HD Video Decoder IP Stream Input HDMI Output

H-IP-HDMI



A Note from Thor Broadcast about this Manual

Intended Audience

This user manual has been written to help people who have to use, integrate and to install the product. Some chapters require some prerequisite knowledge in electronics and especially in broadcast technologies and standards.

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SAFETY INSTRUCTIONS

CONNECTING TO THE POWER SUPPLY

This product has to be connected to the power supply.

Before carrying out maintenance operation or modification of the installation, the Device has to be disconnected.

OVERVOLTAGE

An over-voltage cause short-circuits or fire. Never overload the power lines. Always use the 12VDC power supply provided for single channel series.

🔔 LIQUIDS

Keep the unit protected from liquids;

Do not place objects filled with liquids on it;

If any liquid should accidentally fall into the cabinet, disconnect the power plug.

CLEANING

Disconnect the module before cleaning. Use only a humid cloth without solvent.

VENTILATION

Ventilation holes should not be obstructed;

Not be installed in a hermetically sealed environment;

Other electronic products or heat producing items keep a minimum distance of 15 cm around the apparatus for sufficient ventilation;

ACCESSORIES

Only use the supplied power adaptor;

The use of accessories not manufactured by the manufacturer can cause damage to the module.

INSTALLATION OF THE MODULE

Do not expose the unit to rain or moisture;

Do not installed in direct sunlight or in humid place;

Respect the minimum and maximum temperature specifications

In The Box

IP Decoder	1рс
16GB SD Card	1pc
Power Adapter	1pc
User Manual	1pc





GENERAL DESCRIPTION

The Decoder can bring IP streaming, USB storage to any HDMI devices and also playback your multimedia files to come from FTP server. The H-IP-HDMI can be widely used in broadcasting, Hotel TV systems, advertising signage etc.







KEY FEATURES

- HEVC/H.265/H.264/MPEG-2 decoder
- Resolution up to 1920x1080 @60fps, 3840x2160 @30fps
- Multiple network streaming protocols
- Local media player
- USB playback

SPECIFICATIONS

Interface		
	RJ45x2 10/100 Base-T (1x Management, 1x	
Input	Streaming)	
	USB2.0-(FAT32)	
	Micro SD-Delivered 16GB USB flash	
Output	HDMI*1	
Video Decoding		
Resolution	Max. up to 1920x1080 @60fps, 3840x2160 @30fps	
Protocol	IPv4/v6, TCP, UDP, HTTP, HLS, RTP, RTSP,RTMP,	
Protocol	FTP, IGMP(Multicast)	
Media formats	MPEG-TS, MPEG4, AVI, MOV, MPEG	
Audio Decoding	5	
Format	Mpeg1L2, MP3, AAC-LC, HE-AAC, WMA	
Sample rate	32/44.1/48KHz	
System		
Management	Web NMS – IP 192.168.0.168	
Language	English	
Security	Password protection, IP address filtering	
General		
Power supply	12V DC	
Dimensions	180 x 105 x 34 mm	
Weight	270g	



APPEARANCE INTRODUCTION



6. Factory Reset Button 7. NMS control Port

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8. Power Input

CONNECTION DIAGRAM

Typical Connection

- 1. The HDMI connector is connected directly to a monitor.
- 2. Check if the provided SD Card is connected to the Micro SD slot.

3. IP Data Port

4. HDMI Output

3. Then connect the supplied connector to the DC 12V socket.

4. The connection to an FTP server is established via the network connection. The connection can be local or via the Internet. Remark

[1] Do not remove the SD card. (Format: FAT32) Must had SD Card Internet Power DC 12V **RJ45** RJ45 HDMI NMS Control Default IP: 192.168.0.168



UDP Server Connection

Decoder and computer are connected to the same network(switch). The UDP settings, description as the "UDP server streaming".



Decoder and computer point to point Connection. Decoder's default IP is 192.168.0.168, make sure the computer's IP is on the same IP segment. The UDP settings, description as the **"UDP server streaming".**





OPERATION INSTRUCTION

The device is configured using NMS. Access to the NMS is via the network connection. FTP configuration and system settings are performed.

1. IP Address of Computer Setting

The IP Address of the computer must be in the same participation as the IP Address of the IP Video Decoder.

System Control> Network Connections> LAN Connection> Properties> Internet Protocol Version 4 TCP/IPv4 (or Version6 TCP/IPv6)> Properties> Use the following IP address:

IP address Computer: 192. 168. 0. 20 and Subnet mask: 255. 255. 255. 0.



2. NMS Log in

admin

If you want to operate decoder, please log in and use web control.

Default IP is 192.168.0.168; Username: admin Password: admin

3.NMS Home Page

Contents of the home page includes : Status/Media Source/Setting/Update/Log out.



IP Video Decoder	- NMS Firmware Version	19.5	
Status	IP Address	192.168.0.188	
Media Source ∆			
ID Ofersensin a	Player		
- IP Streaming	Version	IH101-20201014-140455	
- M3U Playlist	IP Address	192.168.50.16	
Settings	Subnet Mask	255.255.255.0	
	Default Gateway	192.168.50.1	
Update	USB	Free Size 23.8G,vfat,rw,Path=/r	
Log out	Source	Streaming	
	Refresh		

Status

Firmware Version	1.8.5
IP Address	192.168.0.188
Player	
Version	IH101-20201014-140455
IP Address	192.168.50.16
Subnet Mask	255.255.255.0
Default Gateway	192.168.50.1
USB	Free Size 23.8G,vfat,rw,Path=/r
Course	Streaming

Here you can know the NMS FW version, System FW version, IP information, current playback source.

Click **"Status**" label and click the **"Refresh** " button to read the current status.

Media Source Settings

1. IP streaming

Click IP Streaming item in **Media Source**. Enter your URL of Network streaming in the Full URL field. (ex. UDP://@239.1.1.1: 3990) (ex. RTP://@239.1.1.1: 3990) (ex. RTSP://192.168.1.100:8554/1.mp4) (ex.rtmp://202.69.69.180:443/webcast/bshdlive-pc) (ex.http://125.12.7.172:9981/stream/channelid/086640851)



(ex. http://ivi.bupt.edu.cn/hls/cctv1hd.m3u8) (ex. https://www.youtube.com/watch?v=cSUtWVFaG4I) Click the "Apply" button to start playing.

IP Streami	1g	
FULL URL	udp://@238.1.1.1:3990	Clear Recent
Apply Refresh		

Remark:

You can enter the URL of the network stream such as RTSP, RTMP, Http, etc.

2. M3U Playlist

M311 Playlist Chore Etc. us.m3unlaylis _10.13.1 m3u	
US: TBS 720	
US: TCM HD	1
US: TLC HD Fast	
US: TNT HD 1080	
US: TNT HD	
US: TNT 720	
US: Travel Channel HD	
US: Travel Channel 720	
US: TruTV HD West	
US: TruTV Hd 1080 East	
US: TV Land HD	
US: TV ONE	
US: USA Network East	
US: USA Network West	
US: USA Network HD	
US: USA Network HD.	
US: USA Network 720	
US: VH1 HD	
US: VH1 720	-
1	

Click M3U Playlist item in Media Source, then click the **"Choose file"** button to select your m3u or m3u8 file. It will list from which you can select a network streaming file. Click the program that you want to start playing. **Remark : Current implementation of playlist.** (m3u) is intended for live stream selection only. Continuous file playback with m3u file will be added later.

Settings

Setting Page including Network Setting/Log in Password Changed.

1.NMS Network Setting

192.168.0.168
255.255.255.0
192.168.0.1
00:80:E1:E7:AD:63

The Default IP of NMS is 192.168.0.168. In the IP Address/Subnet Mask/Default Gateway /MAC Address field, enter the IP address/Subnet Mask/Gateway/MAC Address you want to change. Click **"Apply"** button and wait a moment, it will change to the IP information of your choice.





2. Player Network Setting



Update

The default setting is DHCP on. And change DHCP off.

In the IP Address / Subnet Mask / Default Gateway / MAC Address field, click the back grid to modify the content. Click **"Apply"** button to save settings.

Remark: IP addresses of H-IP-HDMI player and SMB server need to be in the same area network.

Update	
Update NMS]
USB Firmware Upgrade]

Which has two items "Update NMS" and "USB Firmware Upgrade"

Notes :

a.Make sure the network is stable before operation.

b.Avoid opening two pages with the same URL.

c.The update process ensures that the route and power supply are not separated. d.After the update, it takes a while for the machine to automatically restart. At this

time, it is absolutely impossible to turn off the power.

Update NMS Firmware via network

	er & Modulator
	eb Update
Select a web a	application (.bin) file then dick update button No file chosen
Update	

Click **"Update NMS"** button, it will jump to another page as below picture.Choose the file [xxx.bin] to upload then click **"Update"** button. Whe the update is finished, it will

automatically return to homepage.



Upgrade System Firmware via USB



Put these two update files [UpdateInfo.txt & H-IP-HDMI_xxxxxx.image] into the USB root directory. Insert USB driver on device. Click **"USB Firmware Upgrade"** button, it will show a message box as next picture.

Remark:

The [xxx.image] file name will be different depending on the firmware provided.

192.168.0.168 says	
Click OK to Upgrade Decoder Firmware	
15	
	OK Cancel
Update	
Update NMS	
USB Firmware Upgrade Please wait,	It may take 10 minutes
USB Firmware Upgrade Please wait,	It may take 10 minutes
USB Firmware Upgrade Please wait,	It may take 10 minutes
USB Firmware Upgrade Please wait,	It may take 10 minutes
USB Firmware Upgrade Please wait,	It may take 10 minutes
USB Firmware Upgrade Please wait,	It may take 10 minutes
USB Fermulare Upgrade Please wait,	It may take 10 minutes
USB Firmware Upgrade Please wait,	It may take 10 minutes
USB Firmware Upgrade Please wait,	It may take 10 minutes
USB Firmware Upgrade Please wait,	It may take 10 minutes grade Completed

Click "OK" button to start upgrading.

When Upgrading, it will show a message" Please wait, it may take 10 minutes..."

The system will restart after the update is completed.

4.NMS Password Changed

Password		
New Username	admin	
New password		
Confirm password		
Apply		

In the New password field, enter the new password you want to change, also the same password as the new password to confirm. Click **"Apply"** button and wait a moment, it will Change the password and reload.

Log Out

192.168.0.168 says		
Click OK to log out		
	ОК	Cancel

Log out of the MNS control page, please click **"Log out"**, it will show a message box, then click **"OK"** to log out.

Tel: (800) 521-8467