

OPR-DT10 4K H.264 / H.265 IP Video Transcoder, Decoder & Stream Forwarder

V1.0 2026/08/08



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1. Management Settings

By <http://192.168.1.169> (default IP) to login the device, default user name and password are **admin**.

4K

IP Transcoder

IP Transmitter - Decoder

Status

Transcode

Transmit

Devices

System

System status

Software version: 1.5.2

Hardware version: T3576 V1

Runtime: 14 seconds

Device time: 2026-08-04 15:26:43 (Sync time to device)

CPU usage: 15%

Memory usage: 10% 384MB/3994MB

Decoding mode: IPB

Net status: Internet

Eth1 speed: Input 820Kbps/Output 70Kbps

Eth2 speed: Input 0Kbps/Output 0Kbps

2.Transcoder

2.1 Transcode list

It supports 1,2, 3,4 channels transcoding or max 36ch decoding

Status

Transcode

Transmit

Devices

System

Transcod chns:

Total 4 channels

The maximum processing capacity of this channel transcoding is 1920*1200@60

Audio action:

Number 1 channel

Channel	Input Name	Input address	Cache time(ms)	Transcoding index(TS available)	Audio index(MPTS available)	Transcode setting
1		http://192.168.1.160/0.ts	200	0	0	Apply
2		http://192.168.1.160/0.ts	200	0	0	Apply
3			200	0	0	Apply
4			200	0	0	Apply

2.2 Transcode settings

Click the Apply to set the transcoding address and cache, etc.

supports video streams from various IP sources, including H.265/HEVC, H.264/AVC, AV1, VP9, and AVS2 streams

The screenshot shows the 'Transcode' settings page. On the left is a dark sidebar with a menu containing 'Status', 'Transcode' (selected), 'Transmit', 'Devices', and 'System'. The main area has a light blue header with tabs: 'Input setting' (active), 'Output setting', 'Encoded setting', 'Audio setting', 'OSD setting', and 'Advance parameters'. Below the tabs, the 'Input setting' section contains the following fields: 'Transcoding name' (text input), 'Transcoding address' (text input with 'http://192.168.1.160/0.ts' and a green link 'The source address can be obtained by the device management'), 'Cache(ms)' (text input with '200' and a range '[100-1000]'), 'Transcoding index(TS available)' (dropdown with '0'), 'Program audio index(MPTS available)' (dropdown with '0'), and 'Transcoding framerate' (dropdown with 'Auto'). A note below the 'Cache(ms)' field states: 'Note: Set this according to the network environment. A cache that is too small may cause packet loss or stuttering.' Another note below the 'Transcoding framerate' field states: 'Note: Set manually when the status bar shows that the video framerate is not consistent with the source'. At the bottom of the settings area are three buttons: 'Apply', 'Clear', and 'Return'.

The source address can be obtained from the device management also,

The screenshot shows the 'Device Management' page. The left sidebar is identical to the previous screenshot, with 'Devices' selected. The main area has a light blue header with tabs: 'Encoder list' (active), 'ONVIF list', and 'ONVIF URL'. Below the tabs, the 'Encoder list' section contains the following fields: 'Encoder list' (dropdown with '192.168.1.160'), 'Encoder ip' (text input with '192.168.1.160'), 'Username' (text input), and 'Password' (text input). Below these fields is a blue button labeled 'Get playback address'. The 'ONVIF list' section contains a dropdown with 'http://192.168.1.160:8899/onvif/device_service'. The 'ONVIF URL' section contains a text input with 'http://192.168.1.160:8899/onvif/device_service'.

2.3 Transcode output settings

Supports Output: RTMP/ RTSP /HTTP TS/HTTP FLV/HLS/MP4/SRT/UDP /RTP Other IP streaming formats.

Input setting	Output setting	Encoded setting	Audio setting
TS URL:	/0.ts	Enable	▼
HLS TS URL:	/0.m3u8	Disable	▼
HLS MP4 URL:	/0_mp4.m3u8	Disable	▼
MP4 URL:	/0.mp4	Disable	▼
FLV URL:	/0.flv	Disable	▼
RTSP URL:	/0	Disable	▼
RTMP URL:	/0	Disable	▼
RTMP(S)/RTSP PUSH URL:	rtmp://192.168.1.169/live/0	Disable	▼
Multicast IP:	238.0.0.1	Disable	▼
Multicast Port:	1234		
Multicast SAP Name:	sap		
SRT URL Port:	9000	Disable	▼
SRT PUSH URL:	srt://192.168.1.169:9000	Disable	▼
SRT Encryption Password:	0123456789	Disable	▼
HLS PUSH URL:	https://a.upload.youtube.com/http_uploa	Disable	▼

Apply

Return

2.4 Transcode encode settings

Bitrate, Resolution, Frame Rate, GOP, Encoding Profile, Compression Parameters.

Input setting	Output setting	Encoded setting
Encoding Type:	H.264	▼
FPS:	Same as input	▼
GOP:	25	[5-300]
Bitrate(kbit):	4000	[32-32000]
Encoded Size:	1920x1080	▼
H.264 Level:	baseline profile	▼
Bitrate Control:	vbr	▼
Image Split:	Disable	▼

Apply

Return

2.5 Transcode audio settings

Audio Encode - AAC /AAC+ /AAC++ /MP3/MP2 /AC3/Opus

Input setting

Output setting

Encoded setting

Audio setting

Audio Input:

Original

▼

Encoder:

AAC

▼

Bitrate:

128000

[48000~320000]

G711:

Disable

▼

G711 Over PTE:

Disable

▼

G711 Over RTSP:

Disable

▼

Apply

Return

2.6 Transcode OSD settings

Four OSD zones can be enabled with text, image, scrolling text, and time.

Input setting

Output setting

Encoded setting

Audio setting

OSD setting

Zone1

Zone:

Enable

▼

Type:

bmp

▼

X:

10

[0-1920]

Y:

200

[0-1080]

LOGO preview :



Zone2

Zone:

Disable

▼

Zone3

Zone:

Disable

▼

Zone4

Zone:

Disable

▼

Apply

Return

2.7 Transcode Advance parameters settings

You can configure advanced parameters for the transcoded streams.

Input setting

Output setting

Encoded setting

Audio setting

OSD setting

Advance parameters

Pass-through TS stream:

NO

▼

Only valid for UDP MPEG-TS.

Keep Original TS ID:

NO

▼

TS Video PID:

100

[16-8190]

TS Audio PID:

200

[16-8190]

TS Transport Stream ID:

101

[1-65535]

TS Original Network ID:

65281

[1-65535]

TS PMT Start PID:

480

[16-7936]

TS Start PID:

481

[32-3840]

TS Tables Version:

6

[0-31]

TS Service ID:

1

[1-65535]

TS Service Name:

Live

TS Provider Name:

XT13

Conform to System B (DVB):

Disable

▼

TS Null Packet:

No Insert

▼

TS TDT:

Disable

▼

SRT Latency(ms):

150

[1-10000]

SRT Bandwidth(KByte):

0

[0-102400](0=nolimit)

Apply

Return

3 Transmit

3.1 Transmit list

Max supports 4 channels forwarding, Click the Apply to set the url,

🏠 Status						
⚙️ Transcode						
➡️ Transmit						
🖥️ Devices						
⚙️ System						

Channel	Input Name	Input address	Cache time(ms)	Transcoding index(TS available)	Audio index(MPTS available)	Transmit setting
1			200	0	0	Apply
2			200	0	0	Apply
3			200	0	0	Apply
4			200	0	0	Apply

3.2 Transmit input settings

Input setting

Output setting

Audio setting

Advance parameters

Transmission name:

Transmission address:

[The source address can be obtained by the device management](#)

Cache(ms):

200

[100-1000]

Note: Set this according to the network environment. A cache that is too small may cause packet loss or stuttering.

Transcoding index(TS available):

0

▼

Program audio index(MPTS available):

0

▼

Transcoding framerate:

Auto

▼

Note: Set manually when the status bar shows that the video framerate is not consistent with the source

Apply

Clear

Return

The Transmission address can be obtained from the device management also.

3.3 Transmit output settings

Input setting	Output setting	Audio setting
TS URL:	/36.ts	Enable ▼
HLS TS URL:	/36.m3u8	Disable ▼
HLS MP4 URL:	/36_mp4.m3u8	Disable ▼
MP4 URL:	/36.mp4	Disable ▼
FLV URL:	/36.flv	Disable ▼
RTSP URL:	/36	Disable ▼
RTMP URL:	/36	Disable ▼
RTMP(S)/RTSP PUSH URL:	rtmp://192.168.1.169/live/36	Disable ▼
Multicast IP:	238.0.0.1	Disable ▼
Multicast Port:	1270	
Multicast SAP Name:	sap	
SRT URL Port:	9036	Disable ▼
SRT PUSH URL:	srt://192.168.1.169:9000	Disable ▼
SRT Encryption Password:	0123456789	Disable ▼
HLS PUSH URL:	https://a.upload.youtube.com/http_upload	Disable ▼

3.4 Transmit audio settings

Input setting

Output setting

Audio setting

Audio Input:	Original	
Encoder:	AAC	
Bitrate:	128000	[48000~320000]
G711:	Disable	
G711 Over PTE:	Disable	
G711 Over RTSP:	Disable	

Apply

Return

3.5 Transmit Advance parameters settings

Input setting

Output setting

Audio setting

Advance parameters

Pass-through TS stream:	NO	Only valid for UDP MPEG-TS.
Keep Original TS ID:	NO	
TS Video PID:	100	[16-8190]
TS Audio PID:	200	[16-8190]
TS Transport Stream ID:	101	[1-65535]
TS Original Network ID:	65281	[1-65535]
TS PMT Start PID:	480	[16-7936]
TS Start PID:	481	[32-3840]
TS Tables Version:	6	[0-31]
TS Service ID:	1	[1-65535]
TS Service Name:	Live	
TS Provider Name:	XT13	
Conform to System B (DVB):	Disable	
TS Null Packet:	No Insert	
TS TDT:	Disable	
SRT Latency(ms):	150	[1-10000]
SRT Bandwidth(KByte):	0	[0-102400](0=nolimit)

Apply

Return

4. System setting

4.1 Network Setting

 Status

 Transcode

 Transmit

 Devices

 System

Network

Advanced

Output

Output Layout

Serial/TCP

Password

Update/Bkp.

Reset

Reboot

Auto Reboot

Gateway:

ETH 1

Apply

ETH 1

DHCP:

Off

IP:

192.168.1.169

Mask:

255.255.255.0

Gateway:

192.168.1.1

MAC:

00:13:14:06:16:01

IPv6:

Off

Apply

VLAN is disabled. Enable it in Advanced Settings.

ETH 2

DHCP:

Off

4.2 Advance setting

You can configure advanced parameters for the output streams.

Status

Transcode

Transmit

Devices

System

Network

Advanced

Output

Output Layout

Serial/TCP

Password

Update/Bkp.

Reset

Reboot

Auto Reboot

DEBUG:

Disable

(Only for technicians)

VLAN virtual interfaces:

Disable

Video Only:

Disable

Audio Only:

Disable

TS password enable:

Disable

Vmix Compatible:

Disable

RTP OVER RTSP:

RTP OVER RTSP

TS OVER RTSP:

ES

Multicast input mode:

Native

Multicast output type:

UDP

Multicast output port:

Eth1

Lost Time(s):

8

[3-30]

Hls Splitter Time(s):

3

[3-20]

4.3 System output

HDMI output resolution, 3840x2160, 1920x1080@60/50/30/25/24 fps, and more.

🏠 Status

⚙️ Transcode

🔄 Transmit

🖥️ Devices

⚙️ System ^

Network

Advanced

Output

Output Layout

Serial/TCP

Password

Update/Bkp.

Reset

Reboot

Auto Reboot

HD output:

Auto adapt ▼

Screen rotation:

Disable ▼

Video border:

Disable ▼

Lost signal prompt:

Disable ▼

Clear screen on signal loss:

Disable ▼

Source name display:

Disable ▼

Audio output:

Enable ▼

Audio level:

Disable ▼

Volume:

100

Brightness:

50

Contrast:

50

Hue:

50

Saturation:

50

Default

Apply

4.4 Upgrade and Backup firmware

⌂ Status

⌘ Transcode

↗ Transmit

🖨 Devices

⚙ System ^

Network

Advanced

Output

Output Layout

Serial/TCP

Password

Update/Bkp.

Reset

Reboot

Auto Reboot

Upload firmware and configuration

Version:

1.5.2

Select file:

Scan...

Upload

Warning:

File name is up.rar or box.ini. Please dont upload by different people at the same time, dont power off during upload.

Backup firmware and configuration

Firmware

Configuration