About the Encoder

- the Industrial HDMI Over IP- 1channel Encoder is a highly embedded hardware for FHD HDMI over IP required scenario like IPTV, Video streaming, live broadcasting, tele-education, telemedicine etc.

- It allowed to receive the FHD video from HDMI sources, and line in audio from 3.5mm composite Jack(active sources required), then send the streams over IP protocol like RTSP over UDP & TCP/ RTMP/ HTTP/ UDP Unicast Multicast/ ONVIF/ RTP/ HLS/ SRT.

- With high performance processor and years of experience in video processing industry, the encoders are available to receive the signal from HDMI sources (up to 1080 60, blue ray supported, optional HDCP); then stably stream (push/ pull, support 1080P 30/60FPS (default 30FPS) out) to video platforms like YouTube,facebook, twitch, wowza, vmix, OBS…

- Smart encoding- The function for smooth stream/ bitrate, with this arithmetic, the encoder will automatically detect.

- the video fluctuation, then automatically modify the video bit and to make sure the video quality and completeness

Specifications:

Encoding:

- AVC H.264 MPEG-4

Profile:

- H.264 high/ main/ baseline profile

Input:

- Up to 1080P 60 (Minimum 320*180)
- 3.5MM line-in audio

Output:

- HTTP/ HLS/ RTSP over UDP TCP/ RTMP/ UDP Unicast Multicast/ ONVIF/ RTP
- Encoded Resolution: 320*180 to 1080P (30FPS for normal, inform if 60FPS required)

Bitrates:

- Video: 16 to 12000Kbps, CBR/ VBR
- Audio: 48K, 64K, 96K, 128K, 160K, 192K, 256K, 320K
- Audio Sample Rate: 24000 - 256000
- Audio Format: MP3/ G.711/ AAC HE LC/ MP2 (optional)

Accessibilities:

- Video Package: VLC/ FFMPEG
- Stream Information Rename: PMT/ Transport ID/ Stream ID
- Image Adaptation: Noise/ Sharpness/ Filter/ Contrast/ Brightness/ Hue

Network:

- 1* RJ45 Gigabit Full-Duplex Network
- DHCP Enabled by Default

Accessories:

- 1* H3110H
- 1* HDMI cable
- 1* Warranty card
- 1* Power adapter

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- 1* Audio cable (3.5mm)

Management:

- HTTP WEB GUI (80/ 90)
- Video Management Platform
- LiveX for Phone
- Telnet, API, SDK
- Customized Tools

Others:

- Dimension: H3110H-10011840 (mm)
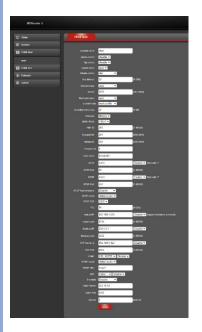- Working Temperature: -20℃ to 60℃
- Working Humidity: < 90%
- Net Weight: 0.2 KG
- Power: 12V 2A
- Consumption: 2.8 W

Web GUI

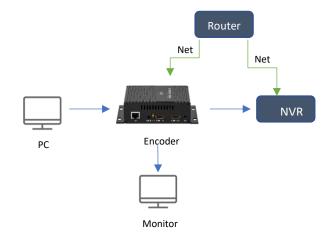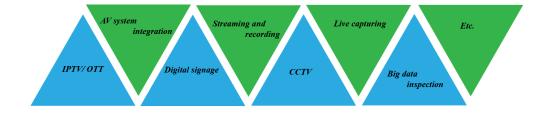Ittelecom Optical Technology Co., ltd

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Use cases

Live events/ Point to point transmission:

- SRT transmission

- Emergency communication (Military grade)

- Live events

- Data monitoring

- For 24/ 7/ 365 operation