MAGEWELL®

Pro Convert IP to HDMI

Converts up to four IP streams into one QHD HDMI signal

SKU: 644300000

Power/Signal/
Program/Preview
Indicators

Menu button

HDMI OUT   USB Host   USB CONFIG/Power   Audio OUT   ETH/PoE

Product Overview

Pro Convert IP to HDMI is a standalone decoder that converts up to 4 IP streams into one QHD HDMI output in different layouts including Multiview. Adding new protocols and formats, like Zixi, to the supported list, Pro Convert decoder continues to explore the seamless integration to varied ecosystems and empower users to bridge IP signals to their existing infrastructure either for production or video distribution purposes.

Key Features

- Up to 4 IP streams can be decoded and output in a preset layout, including a single main window, the picture-in-picture or quad-screen mode.
- Support all variants of NDI® and features enabled by NDI SDK V6.x.
- Video preview, in real-time stream or images is available on the web GUI.

Packing List

- 1x Pro Convert IP to HDMI (PN: 64430)
- 1x USB Type C to Type C cable (PN: ELE00114)
- 1x USB Type C to Type A cable (PN: ELE00066)
- 1x Universal power adapter (PN: ELE00125)
- 1x Fishtale Bracket (PN: STR00211)
- 1x Bracket Fasteners (PN: PAR10040)
- 2x M4*12 Black Screws (PN: MECO0067)
- 2x M4 Black Nuts (PN: MECO0068)
- 1x Quick Start Guide

Technical Specifications

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Decoding Features

- Supports multiple output modes for decoding of different protocol signals.
    - Single Screen
        - Decoding Channels: 1
        - Supported Protocols: NDI High Bandwidth, NDI HX, NDI HX2, NDI HX3, MPEG-TS over RTP/UDP/SRT, RTMP, RTSP, HTTP, HLS and ZIXI
        - Formats: H.264, H.265, SpeedHQ, MPEG2
        - Resolution: Up to 2560x1440p60
    - Picture-in-Picture
        - Decoding Channels: 2
        - Supported Protocols: NDI High Bandwidth[*], NDI HX, NDI HX2, NDI HX3, MPEG-TS over RTP/UDP/SRT, RTMP, RTSP, HTTP, HLS and ZIXI
        - Formats: H.264, H.265, SpeedHQ, MPEG2[*]

- **Resolution: Up to 1920x1080p60**

*Note: Only one channel of either NDI High Bandwidth or MPEG2 format video is supported for decoding.

- Quad Screen
  - Decoding Channels: 4
  - Supported Protocols: NDI HX, NDI HX2, NDI HX3, MPEG-TS over RTP/UDP/SRT, RTMP, RTSP, HTTP, HLS and ZIXI
  - Formats: H.264, H.265
  - Resolution: Up to 1920x1080p60

- Supports decoding of audio formats including AAC, MP3, AC3, Opus and G.711.

- Supports NDI 6.2.

Output Features

- Max output: 2560x1440 60fps 4:4:4 10-bit
- Delivering video at the preferred video format according to the capabilities of the connected monitor. Supported output formats include:
  - 2560x1440p60
  - 2560x1080p 23.98/24/25/29.97/30/50/59.94/60
  - 1920x1080p 23.98/24/25/29.97/30/50/59.94/60
  - 1920x1080i 50/59.94/60
  - 1280x720p 23.98/24/25/29.97/30/50/59.94/60
  - 720x576p50
  - 720x576i50
  - 720x480p59.94/60
  - 720x480i59.94/60
- Support color space: BT.601/BT.709/BT.2020
- Support HDR10
- Support 48/96KHz 8-channel audio output
- HDMI interface: HDMI 2.0

Configuration Management

- Support registration with Control Hub for remote centralized management
- Provide WebUI tools
- Provide comprehensive information regarding the device and decoded signals in real-time
- Support preview of output images and PTZ control
- Configure audio and video signal decoding and output parameters, including OSD, deinterlacing, video format, audio gain, sample rate, Ping test, security settings, configuration files import and export, and network connections
- Support firmware upgrade
- Support USB NET
- Support Edge/Firefox/Chrome/Safari/Opera web browsers
- Support HTTP APIs

On-board Control Buttons

- Rotary encoder button:
  - Rotate: toggle options
  - Press: bring up menu, enter current option, or confirm the selection

Network Interfaces

- 10/100/1000Mbps Ethernet
- Support IEEE 802.3af PoE and 802.3at PoE+

USB Interfaces

- USB3.0 Type C
  - 5V/12V 10W power supply
  - USB NET
- USB3.0 Type A
  - Connecting peripherals (keyboard and/or mouse) to customize device settings

LED Indicators

- Power Indicator (PWR)
  - On: Power connected
  - Off: Power disconnected
- Decoding status Indicator (SIG)
  - Blue: All selected sources in single/multi-channel decoding are working normally
  - Red: All selected sources in single/multi-channel decoding are abnormal
  - Green: Both normal and abnormal decoding exist simultaneously in multi-channel decoding
  - Off: No sources selected in single/multi-channel decoding
- Tally lights
  - Program Tally (PGM): The connected NDI source is live when illuminating red
  - Preview Tally (PVW): The connected NDI source is in preview when illuminating green

Form Factor

- 4.72" (L) x 3.12" (W) x 0.96" (H) (as is 120 mm (L) x 79.3 mm (W) x 24.5 mm (H))

Screw Mounting Holes

- ¼–20 threaded hole

Power Consumption

- 5V maximum current: ~1.324A
- 12V maximum current: ~0.555A
- Max power consumption: ~6.62W

Working Environment

- Operating temperature: 0 to 40 deg C
- Storage temperature: –20 to 70 deg C
- Relative humidity: 5% to 90% non-condensing