

# MAGEWELL

## Pro Convert for NDI<sup>®</sup> to HDMI 4K Technical Specifications

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### Output Features

- Max output: 4096x2160 60fps 4:4:4 8-bit
- Delivering video at the preferred video format according to the EDID of the connected monitor. Supported output formats include:
  - 4096x2160p/3840x2160p 23.98/24/25/29.97/30/50/59.94/60
  - 2560x1440p 60/100/120/144
  - 2560x1080p 23.98/24/25/29.97/30/50/59.94/60
  - 1920x1080p 23.98/24/25/29.97/30/50/59.94/60/100/119.88/120
  - 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 48KHz 8-channel audio output
- HDMI interface: HDMI 1.4/2.0

### Decoding Features

- Decoding up to 4Kp60 streams of Full NDI, NDI<sup>®</sup>|HX, NDI<sup>®</sup>|HX2, NDI<sup>®</sup>|HX3, RTSP, HTTP, HLS, RTMP Pull/Push and MPEG-TS over UDP/SRT/RTP protocols
- H.264/H.265 video decoders
- AAC/MP3 audio decoders
- Support NDI 5.x

### Configuration Management

- Register with Control Hub
- Remote control via WebUI and Control Hub
- Provide comprehensive information regarding the device and decoded signals in real-time
- Allow to configure how a signal is decoded and output, including OSD settings, deinterlacing, resolutions, alpha blending, audio gain, sample rate, and channel mapping, as well as the network connection
- Update firmware
- Support USB RNDIS/ECM
- Support IE/Edge/Firefox/Chrome/Safari/Opera web browsers
- Provide HTTP APIs

### On-board Control Buttons

- MENU: press to display the menu or select current parameter, or toggle the switch left and right to cycle through the options
- 16 Position Rotary DIP Switch: set board-index from 0 to F

### Network Interfaces

- 10/100/1000Mbps Ethernet
- IEEE 802.3af PoE

## USB Interfaces

- USB2.0 Type B
  - 5V/2.1A power supply
  - USB RNDIS/ECM
- USB3.0 Type A
  - Connecting peripherals (keyboard and/or mouse) to customize the video and audio settings

## LED Indicators

- Power LED status indicator
  - On: power connected
  - Off: power unconnected
- Decode LED status indicator
  - On: decoding
  - Blinks: decoding error
  - Off: source unselected
- Tally: preview/program

## Form Factor

- 117.5mm (L) x 66.7mm (W) x 23.4mm (H)

## Accessories

- USB 2.0 A to B cable
- 5V/2.1A power adaptor
- L-bracket

## Screw Mounting Hole

- ¼–20 threaded hole

## Power Consumption

- 5V max current: ~1.6A
- Max power consumption: ~7.2W

## Working Environment

- Operating temperature: 0 to 45 deg C
- Storage temperature: –20 to 70 deg C
- Relative humidity: 5% to 90% non-condensing