

Pro Convert for NDI to AIO Module Technical Specifications

Converts a live IP stream into HDMI and SDI

SKU: B42110000

Product Overview

Pro Convert for NDI® to AIO Module is a hot-swappable module to be installed in the Magewell Modator chassis. It is capable of decoding IP streams up to 2Kp60 in a wide range of formats (including NDI® High Bandwidth, NDI® HX2, NDI® HX3, TVU ISSP, RTMP, RTSP, HLS, MPEG-TS and more) into HDMI and SDI output, which provides a higher-density product form factor and a scalable solution for IP-based production and distribution deployments.

Key Features

- Support for up to 1920x1080 60fps HDMI and SDI output
- Support 48KHz 8-channel audio output
- Decode up to 2Kp60 NDI® streams as well as additional protocols including RTSP, HTTP, HLS, RTMP Pull/Push and MPEG-TS over UDP/SRT/RTP and TVU ISSP
- Discover NDI® devices across network segments
- Support NDI® 6.3
- Image flip for inverted projector installations and safe area controls
- Configure through the touch screen of Magewell Modator chassis, Web GUI or Control Hub

Technical Specifications

Revised on 03/06/2026

Interfaces

- 1* RJ45 1000Mbps Ethernet port
- 1* USB Type-C port for configuration
- 1* SDI output port
- 1* HDMI 1.4 output port
- 1* Modator interface for connecting to Modator 2U (hot-swappable)

Decoding Features

- Decode up to 2Kp60 streams of NDI High Bandwidth®, NDI HX, NDI HX2, NDI HX3, RTSP, HTTP, HLS, RTMP Pull/Push, MPEG-TS over UDP/SRT/RTP, TVU protocols
- Simultaneously decode and output HDMI and SDI signals
- Decode SpeedHQ/H.264/H.265 video
- Decode AAC/MP3 audio
- Supports NDI® 6.3

HDMI Output Features

- Max. output: 1920x1080p60
- Supports YUV BT.601/709 signals
- Supports 48KHz 8-channel audio output

SDI Output Features

- Max. output: 1920x1080p60. Supported output formats are:
 - 1920x1080p 23.98/24/25/29.97/30/50/59.94/60
 - 1920x1080i 50/59.94/60
 - 1280x720p 24/25/29.97/30/50/59.94/60
 - 720x576p50
 - 720x576i50
 - 720x480i59.94

- Supports YUV BT.601/709 signals
- Supports 48KHz 8-channel audio output
- Supports SD (ST 259)/HD (ST 292)/3Ga (ST 425)/3Gb (ST 425)/3Gb-DL (ST 425)/3Gb-DS (ST 425) standards
- Support Native CEA-608/608 over 708 captions
- Output 3G-SDI signal with a transmitted distance greater than 150m

Web UI

- Register with Magewell Control Hub for remote centralized management
- Supports configuring and managing via Web UI
- Provides 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, audio gain, sample rate, and channel mapping, as well as the network connection
- Supports updating firmware
- Supports USB RNDIS/ECM
- Supports IE/Edge/Firefox/Chrome/Safari/Opera web browsers
- Provides HTTP APIs

LED Indicators

- Decode status indicator
 - On: decoding
 - Blinks: decoding error
 - Off: source unselected

Physical Specifications

- Form factor: 184.4mm (L) x 30.0mm (W) x 81.5mm (H)
- Weight: ≈300g

Power Consumption

- Max power consumption: 5.2W

Working Environment

- Operating temperature: 0 to 50 deg C
- Storage temperature: -20 to 70 deg C
- Relative humidity: 5% to 90% non-condensing

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