

MAGEWELL

Pro Convert AIO RX Technical Specifications

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Specifications are based on current hardware, firmware and software revisions, and are subject to change without notice.

Revised 30/5/2019

Supported Web Browser

- Microsoft Internet Explorer 11
- Microsoft Edge
- Mozilla Firefox version 61 and above
- Google Chrome version 49 and above
- Apple Safari 11.1 and above
- Opera 55.0.2994.44 and above

Output Interfaces

- 3G SDI
- HDMI 1.4

Storage Interface

- SD Card (functions to be developed)

Screw Mounting Hole

- ¼-20 mounting hole

Network Interface

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

USB Interface

- USB2.0 Type B
- 5V/2.1A power supply
- USB RNDIS/ECM

Set Buttons

- Preset
 - Long press: set the output video format to auto
 - Short press: rotate the preset output resolution list
- Source
 - Short press: rotate the NDI[®] source detected on the LAN

HDMI Output Features

- Support RGB 4:4:4, YUV 4:4:4, YUV 4:2:2 color sampling
- Support up to 48KHz 16bits 8-channel audio streams
- Support outputting video streams at the optimal resolution for NDI[®] source automatically
- Support the following output format
 - SD: 480i59.94/576i50/480p59.94/576p50
 - HD: 720p24/25/29.97/30/50/59.94/60; 1080p24/25/29.97/30; 1080i50/59.94/60
 - FHD: 1080p50/59.94/60

SDI Output Features

- Support SD/HD/FHD standards
- Support YUV 4:2:2 color sampling
- Support up to 48KHz 16bits 8-channel audio streams
- Support outputting video streams at the optimal resolution for NDI® source automatically
- Support the following output format
 - SD: 480i59.94/576i50/480p59.94/576p50
 - HD: 720p24/25/29.97/30/50/59.94/60; 1080p24/25/29.97/30; 1080i50/59.94/60
 - FHD: 1080p50/59.94/60

NDI® Source Name

- Support setting the device name shown in the system using Web UI. By default, the device name is 'Pro Convert'.
- Support setting board-index, from 0 to F, through the on-board rotary switch

Firmware Upgrade

- Support manual update using Web UI

LED Indicator

- Status LEDs indicate the working state of the device:
 - Power supply: on/off
 - Output signal: Output connected and signal detected/undetected

Form Factor

- 100.9mm (L) x 60.2mm (W) x 23.3mm (H)

Accessories

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

Power Consumption

- 5V max current: TBD
- Max power consumption: TBD

Working Environment

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