MAGEWELL

Pro Convert H.26x to SDI Technical Specifications

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

Revised 20/11/2020

Output Features

- Max output: 1920x1080p60. Supported output formats are:
    - 1920x1080p60/59.94/50/30/29.97/25/24/23.98
    - 1920x1080i60/59.94/50
    - 1280x720p60/59.94/50/30/29.97/25/24/23.98
    - 720x576i50
    - 720x480i59.94
- Support YUV BT.601, YUV BT.709 signal
- Support 48KHz 16-bit 8-channel audio output
- SD/HD/3G SDI output via BNC
- Support SD (ST 259)/HD (ST 292)/3Ga (ST 425)/3Gb (ST 425)/3Gb-DL (ST 425)/3Gb-DS (ST 425) SDI standards
- Output 3G-SDI signal and transmitted distance greater than 100m (328ft)

Decoding Features

- Decoding up to 2Kp60 streamings of RTSP, HTTP, HLS, RTMP Pull/Push, and MPEG-TS over UDP/SRT/RTP protocols
- H.264/H.265 video decoders
- AAC/MP3 audio decoders

Web UI Management

- Provide comprehensive information regarding the device and decoded signals in real-time
- Allow to configure how a signal is processed and decoded, including:
    - OSD setting, deinterlacing, resolution, frame rate, AR convert, EDID
    - audio gain, sample rate and audio channel mapping
    - 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 cycle through the options
- SELECT: press to display the menu, enter current option, or confirm the selection
- 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 Indicator

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

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

Screw Mounting Hole

- ¼–20 threaded hole

Power Consumption

- 5V max current: ~1.05A
- Max power consumption: ~5.5W

Working Environment

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