



TALON 4K-SC H.265 | H.264



12G-SDI and HDMI 2.0
4096x 2160p 10bit 4:2:2
16/8 Audio Channels





TALON 4K60 Encoder

H.265 | H.264

Video Inputs:

- 1 x 12G-SDI with Loopout
- 1 x HDMI 2.0 (non-HDCP)

Audio Inputs:

- Embedded SDI 16Ch of audio (8 stereo pairs)
- Embedded HDMI 8Ch of audio (4 stereo pairs)

Video Formats (up to 4096x2160p60)

- 480i29.97, 576i25
- 720p23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- 1080i50, 59.94, 60 *
- UHD 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- DCI 23.98, 24, 25, 29.97, 30, 50, 59.94, 60

* Interlaced Video Encoding is only supported for H.265 point-to-point transports when paired with a TALON Decoder, otherwise interlaced Video Input is converted to progressive prior to Encoding

Color Depth:

- Up to 10-bit 4:2:2

Streaming Transports:

- RTMP(S), UDP, RTP, RTSP, Zixi™, SRT™, WHIP
- Number of Output Channels – 1
- Number of concurrent input channels – 1
- Simultaneous streaming and save to file
- Saving to MP4 file

Video Processing:

- Upscale/Downscale, Frame rate Conversion,
- Deinterlacing

Video Compression:

- H.264 (AVC), H.265 (HEVC)

Encoding Controls

- Bitrate up to 100Mbps
- VBR & CBR

Audio Compression:

- AAC-LC
- OPUS audio for UDP, RTP, SRT, and Zixi

Audio Sample Rate

- 44.1kHz, 48kHz
- Audio Bitrate 64Kbps to 512Kbps

Video Archiving:

- USB 3.0
- Network Storage

Software Features

- Enhanced Security Features
- Remote Firmware Upgrade from Web
- Network Time Protocol
- JSON REST API for software integration
- Password Protected
- Embedded Closed Caption CEA-708 support
- SMPTE 2038 Support

Hardware Features

- Fanless Operation
- Locking Power Jack
- Status Display
- Status LED's
- GigE Ethernet connection
- Optional 1U Rackmount

Enterprise Features

- Customizable notice and consent banner
- Secure HTTPS (SSL) web-based management
- Open VPN Client
- Whitelist/Firewall for Management IP Access
- KLV for in-band SDI and out-of-band RTP IP

Mechanical:

- 5.5 x 5.5 x 1.5"
- Operating Temperature 0 to 40C
- Power 12V | 18W max