



TALON Quad Channel Encoder

H.265 | H.264



Model: UHD-QC
SKU: 96-02046

4x 3G-SDI or 1x 12G-SDI
3840x 2160p 10bit 4:2:2
SCTE | Timecode Support



TALON Quad Channel Encoder

H.265 | H.264

Video Inputs:

- 4x 3G-SDI or 1 x 12G-SDI

Audio Inputs:

- Embedded SDI 8 Channels per input

Video Formats (up to 3840x2160p60)

- PAL 576i, NTSC 480i *
- 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

* interlaced encoding supported HEVC point-to-point between Talon Encoder/Talon Decoder and other validated 3rd party Decoders and CDN's

Color:

- Up to 10bit 4:2:2
- HDR (HLG)
- REC 2020, REC 709

Streaming Transports:

- RTMP(S), UDP, RTP, RTSP, Zixi™, SRT™, WHIP
- Number of Output Channels – 4 (1 in UHD mode)
- Number of concurrent input channels – 4 (1 in UHD mode)
- Simultaneous streaming and save to file
- Saving to MP4 file

Video Processing:

- Upscale/Downscale, Color Space 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, Zixi, WHIP

Audio Sample Rate

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

Video Archiving:

- NVME (not included)
- Network Storage

Software Features

- Embedded Timecode from SDI to Transport Stream SMPTE12M-2
- SCTE104 from SDI Embedded as SCTE35 in transport stream
- 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
- Customizable notice and consent banner
- Secure HTTPS (SSL) web-based management
- Open VPN Client
- Whitelist/Firewall for Management IP Access

Hardware Features

- Locking Power Jack
- Status LED's
- Ethernet Port : GigE RJ 45 Ethernet connection

Mechanical:

- 4.1 x 13.5 x 1.25"
- Operating Temperature 0 to 40C
- Operating Humidity 5% to 95% non-condensing
- Power 12V | 18W max

In the Box:

- Encoder
- Power Supply
- Mounting Brackets