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

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Video Inputs:
- 4x 3G-SDI or 1 x 12G-SDI

Audio Inputs:
- Embedded SDI 8 Channels per input

Video Formats (up to 3840x2160p60)
- 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 Video encoding only supported HEVC point-to-point between Talon Encoder and Talon Decoder

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

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
- 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