



TALON UHD60 Encoder RUGGED H.265 | H.264



12G-SDI
3840x 2160p 10bit 4:2:2
16 Audio Channels
IP67, Extended Temperature



TALON UHD60 Encoder

Rugged H.265 | H.264

Video Inputs:

- 1 x 12G-SDI

Audio Inputs:

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

Video Formats (up to 3840x2160p60)

- 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

* Interlaced Video encoded progressive

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:

- 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 LED's
- GigE RJ 45 Ethernet connection
- Terminal for Chassis Ground

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 -20C to 60C (70C short term)
- Power 9V – 36VDC | 15W max

In the Box:

- Encoder
- Power Supply
- Vibration Dampening Mounting Bracket
- IP67 RJ45 Connector – Switchcraft [ENDC6S](#)
- IP67 Power Connector – Switchcraft [16232-2SG-318](#)

