



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

### Color:

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

### 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
- 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
- Embedded Timecode from SDI to Transport Stream (SMPTE12M-2)
- SCTE104 from SDI Embedded as SCTE35 in transport stream

### Hardware Features

- Fanless Operation
- Locking Power Jack
- Status Display
- Status LED's
- Ethernet Port #1: GigE RJ 45 Ethernet connection
- Ethernet Port #2: GigE with USB to Ethernet Adapter \*
- Optional 1U Rackmount

### Mechanical:

- 5.5 x 5.5 x 1.5"
- Operating Temperature 0 to 40C
- Operating Humidity 5% to 95% non-condensing
- Power 12V | 15W max

### In the Box:

- Encoder
- Power Supply
- Mounting Brackets

\* Contact Osprey Video for approved Ethernet Adapters