



# TALON UHD60 Encoder H.265 | H.264



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





# TALON UHD60 Encoder

## 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 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 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