

**Osprey[®]
Video
UHD-QC
Talon
Quad
Channel
Encoder**



Osprey Video UHD-QC Talon Quad Channel Encoder Instruction Manual

[Home](#) » [Osprey Video](#) » Osprey Video UHD-QC Talon Quad Channel Encoder Instruction Manual 

Contents

- [1 Osprey Video UHD-QC Talon Quad Channel Encoder](#)
- [2 Product Information](#)
- [3 FEATURES](#)
- [4 Product Usage Instructions](#)
- [5 FAQs](#)
- [6 Documents / Resources](#)
 - [6.1 References](#)



Osprey Video UHD-QC Talon Quad Channel Encoder



Product Information

Specifications

- Model: UHD-QC SKU: 96-02046
- 4x 3G-SDI or 1x 12G-SDI input
- 3840x2160p resolution, 10bit 4:2:2
- SCTE | Timecode Support

FEATURES



Product Usage Instructions

- **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 40 °C
 - Operating Humidity 5% to 95% non-condensing
 - Power 12V | 18W max
- **In the Box:**
 - Encoder
 - Power Supply
 - Mounting Brackets

FAQs

- **Q: Can the Talon Quad Channel Encoder encode in both H.265 and H.264 formats simultaneously?**
 - **A:** The Talon Quad Channel Encoder can encode in either H.265 or H.264 format at a time, not simultaneously.
- **Q: What are the supported resolutions for video input?**
 - **A:** The Talon Quad Channel Encoder supports video input resolutions up to 3840x2160p60.

Documents / Resources

 <p>Osprey Video TALON Quad Channel Encoder H.265 H.264</p> <p>4K 30-60i or 1x 120-60i 3840x 2160p 10bit 4:2:2 SCTE Timecode Support</p>	<p>Osprey Video UHD-QC Talon Quad Channel Encoder [pdf] Instruction Manual UHD-QC, 96-02046, UHD-QC Talon Quad Channel Encoder, UHD-QC, Talon Quad Channel Encoder, Quad Channel Encoder, Channel Encoder, Encoder</p>
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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