



TALON 4K-X1

H.265 | H.264



12G-SDI and HDMI 2.0
4096x 2160p 10bit 4:2:2
16/8 Audio Channels
Encoding and Decoding



Encode Mode

Video Inputs:

- 12G-SDI (HD-BNC)
- 1x HDMI2.0 (non-HDCP)

Audio Inputs:

- Embedded SDI 16Ch of audio (8 stereo pairs)
- Embedded HDMI 8Ch of audio (4 stereo pairs)

Video Input Resolution:

- Up to 4096 x 2160 (DCI) 60fps

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 2.0
- Network Storage
- NVME 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 support

- SMPTE 2038 Support

Hardware Features

- Locking Power Jacks
- Redundant Power Inputs
- Status Display
- Status LED's
- GigE RJ45 Ethernet connection
- 10Gps SFP+

Optional 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 I

Decode Mode

Video Outputs (parallel):

- 12G-SDI (HD-BNC)
- 1x HDMI2.0 (non-HDCP)

Audio Outputs:

- Embedded SDI 8Ch of audio (4 stereo pairs)
- Embedded HDMI 8Ch of audio (4 stereo pairs)

Video Output Resolution:

- Up to 4096 x 2160 (UHD) 60fps will automatically match input resolution

Color Depth:

- Up to 10-bit 4:2:2

Genlock:

- Blackburst, Tri-Level

Input Streams:

- RTMP(S)*, UDP, RTP, Zixi™*, SRT™
- Number of Input Channels – 1

Supported Video Input Compression:

- H.264 (AVC), H.265 (HEVC)

Supported Audio Input Compression:

- AAC-LC
- OPUS Audio* for UDP, RTP, SRT, Zixi Supported Input Audio Sample Rate
- 44.1kHz*, 48kHz
- Audio Bitrate 64Kbps to 512Kbps
- * Features to be added with future firmware releases

Software Features

- Enhanced Security Features
- Remote Firmware Upgrade from Web
- Network Time Protocol
- JSON REST API for software integration
- Password Protected
- Embedded Closed Caption support
- SMPTE 2038 Support

Hardware Features

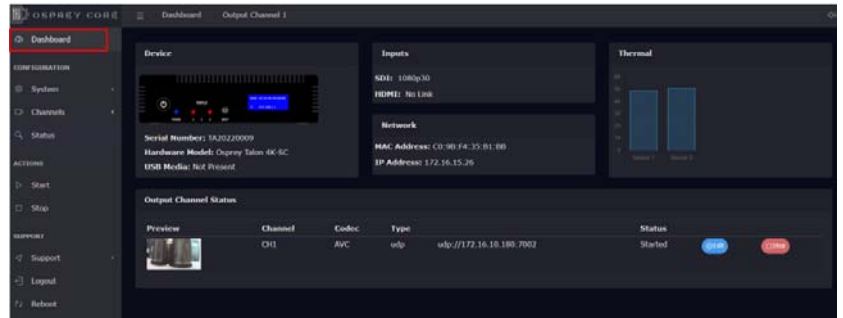
- Locking Power Jacks
- Redundant Power Inputs
- Status Display
- Status LED's
- GigE RJ45 Ethernet connection
- 10Gps SFP+

Optional Enterprise Features

- Customizable notice and consent banner
- Secure HTTPS (SSL) web-based management
- Open VPN Client
- Whitelist/Firewall for Management IP Access
- In-band KLV support

Mechanical:

- 5.5 x 6.8 x 1.5"
 - Operating Temperature 0 to 40C
 - Power 12V | 24W max
- In the box:**
- Decoder
 - 2pcs - 12V/36W Power Supply
 - Mounting Brackets

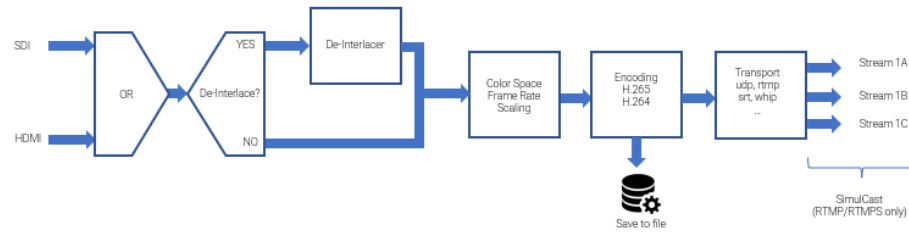


Power Switch
 Status LED's
 Power / Boot LED
 Multi Function Button
 Status Display

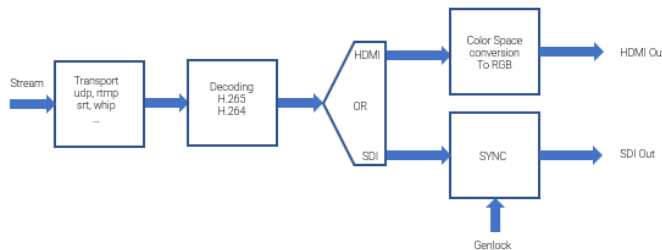


1 Gig SFP*
 1 GigE Ethernet
 USB 3.0
 12G-SDI I/O
 Genlock
 HDMI 2.0 I/O
 12VDC Power Redundant

Talon 4K-X1 Encoder Mode



Talon 4K-X1 Decoder Mode



Osprey Video
 400 Gerault Rd
 Flower Mound, TX 75028
 United States of America

www.ospreyvideo.com

販売店: **NE** ネットワークエレクトロニクスジャパン 株式会社

〒104-0041 東京都中央区新富2-4-4ソーエビル7F
 ● TEL: 03-5542-3260 ● FAX: 03-3552-5070 ● <https://network-electronics.co.jp>