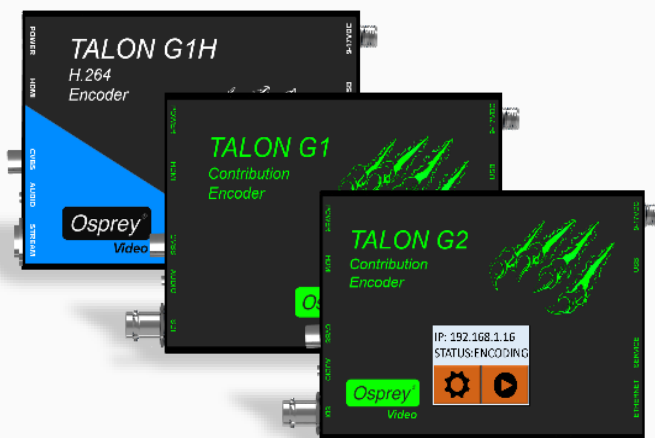


TALON HARDWARE ENCODERS

H.264 Encoders

3G SDI, HDMI, CVBS

RTMP, RTP, UDP, Save To File



Talon G2 H.264 Encoder

- SDI, HDMI, CVBS, Analog Audio Inputs
- 3 Configuration Modes
- Closed Caption Support
- Simultaneous Streaming and Archiving
- Touch Display with the following features:
 - IP Address
 - Status Indicator Encoding/Idle
 - Backlight Controls
 - Encoding Start/Stop

Talon G1 H.264 Encoder

- SDI, HDMI, CVBS, Analog Audio Inputs
- 3 Configuration Modes
- Closed Caption Support
- Simultaneous Streaming and Archiving

Talon G1H H.264 Encoder

- HDMI, CVBS, Analog Audio Inputs
- One Touch Encoding
- 2 Configuration Modes
- Closed Caption Support
- Simultaneous Streaming and Archiving

Osprey Talon G2, G1 and G1H hardware-based streaming contribution encoders are designed for A/V and broadcast customers looking for end-to-end video-streaming tools. The Talon series ingests video from multiple formats, encodes it to H.264, and delivers it over IP.

Capable of ingesting video via 3G-SDI, HDMI, or Analog Composite, Talon series encode up to three streams simultaneously, with frame alignment across all streams for multiple-bit-rate RTMP streaming. Encode configurations are independent (unless frame aligned) allowing users to create up to three separate encodes, i.e. one RTMP stream, one UDP stream and a separate archive saved as .ts file. A simple, Web-based interface gives users quick access to encoding settings for easy configuration. Talon's small form factor, low power consumption and silent, fanless operation mean users can effectively set it and forget it.

Depending on the model chosen, additional features such as LCD information screen and One-Touch Start are available.



Osprey® Talon G2

H.264 Encoder

Model:

96-02012-01 Osprey Talon G2 Encoder

Technical Specifications

Launch May 2017



Description

3 Channel Hardware Based Encoder with LCD Touch Display for easy functionality

Video Input

- 3G SMPTE 424M
- HD SMPTE 292M
- SD SMPTE 259M
- HDMI 1080P/60
- Composite (CVBS)

Video Connector

- Composite (RCA x 1)
- SDI (BNC x 1)
- HDMI

Audio Input

- Unbalanced stereo
- Embedded SDI (1 stereo pair)
- Embedded HDMI (1 stereo pair)

Audio Connector

- Unbalanced stereo (3.5mm x 1)

In the Box

- Talon G2 Encoder
- International Power Supply
- Mounting Brackets

Video Modes

- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.95, 60
- 1080i 50, 59.94, 60
- 720p 23.98, 24, 25, 29.97, 50, 59.94, 60
- 720 x 480 29.97, 30/i (NTSC)
- 720 x 576 25/i (PAL)
- 720 x 576 25, 50/p

Encoding

- Video Encoding: H.264 RTMP, RTP, MPEG-2 TS UDP, .TS File
- Audio Encoding: AAC-LC & AAC-HE (32 to 320 kbps)

Closed Caption:

- Closed Captioning (EIA-608 & EIA-708) Type 1 ATSC Picture User Data is automatically embedded in the H.264 SEI per SCTE 128-1 standard*

LED indicators

- Power, Encoding, Signal Lock for SDI, HDMI, Composite

*Server and player must support closed caption data in order for the closed caption overlay to be available for display



Osprey® Talon G1H

H.264 Encoder

Model:

96-02011 Osprey Talon G1H Encoder

Technical Specifications



Description

2 Channel Hardware Based Encoder

Video Input

- HDMI 1080P/60
- Composite (CVBS)

Video Connector

- HDMI
- Composite (RCA x 1)

Audio Input

- Unbalanced stereo
- Embedded HDMI (1 stereo pair)

Audio Connector

- Unbalanced stereo (3.5mm x 1)

Hardware Controls

- Power Switch
- Stream Start/Stop Button

In the Box

- Talon G1H Encoder
- International Power Supply
- Mounting Brackets

Video Modes

- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.95, 60
- 1080i 50, 59.94, 60
- 720p 23.98, 24, 25, 29.97, 50, 59.94, 60
- 720 x 480 29.97, 30/i (NTSC)
- 720 x 576 25/i (PAL)
- 720 x 576 25, 50/p

Encoding

- Video Encoding: H.264 RTMP, RTP, MPEG-2 TS, UDP, .TS File
- Audio Encoding: AAC-LC & AAC-HE (32 to 320 kbps)

Closed Caption:

- Closed Captioning (EIA-608 & EIA-708) Type 1 ATSC Picture User Data is automatically embedded in the H.264 SEI per SCTE 128-1 standard*

LED indicators

Power, Encoding, Signal Lock HDMI, Composite

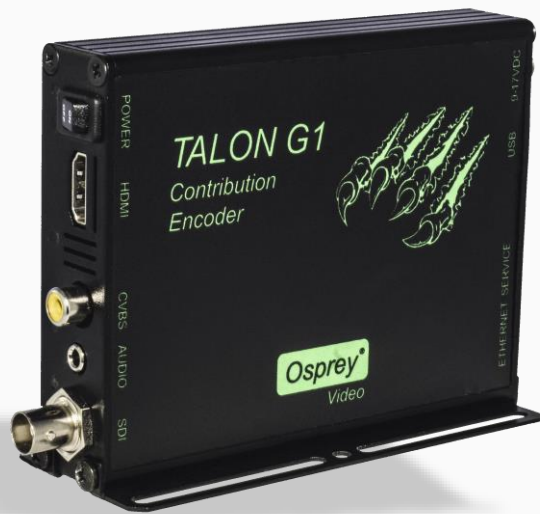
*Server and player must support closed caption data in order for the closed caption overlay to be available for display



Osprey® Talon G1 H.264 Encoder

Model:
96-02010 Osprey Talon G1 Encoder

Technical Specifications



Description

3 Channel Hardware Based Encoder

Video Input

- 3G SMPTE 424M
- HD SMPTE 292M
- SD SMPTE 259M
- HDMI 1080P/60
- Composite (CVBS)

Video Connector

- Composite (RCA x 1)
- SDI (BNC x 1)
- HDMI

Audio Input

- Unbalanced stereo
- Embedded SDI (1 stereo pair)
- Embedded HDMI (1 stereo pair)

Audio Connector

- Unbalanced stereo (3.5mm x 1)

In the Box

- Talon G1 Encoder
- International Power Supply
- Mounting Brackets

Video Modes

- 1080p 23.98, 24, 25, 29.97, 30, 50, 59.95, 60
- 1080i 50, 59.94, 60
- 720p 23.98, 24, 25, 29.97, 50, 59.94, 60
- 720 x 480 29.97, 30/i (NTSC)
- 720 x 576 25/i (PAL)
- 720 x 576 25, 50/p

Encoding

- Video Encoding: H.264 RTMP, RTP, MPEG-2 TS UDP, .TS File
- Audio Encoding: AAC-LC & AAC-HE (32 to 320 kbps)

Closed Caption:

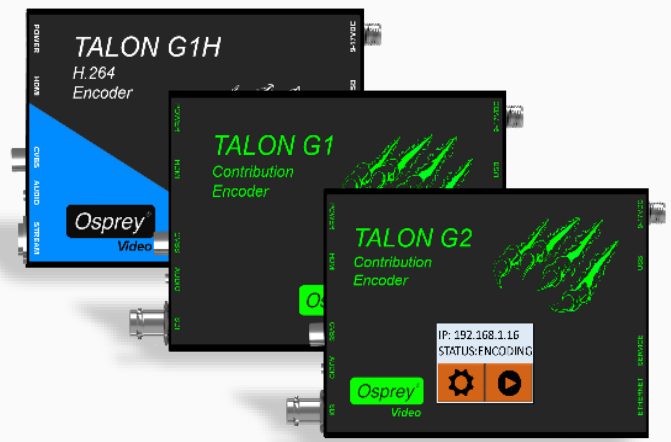
- Closed Captioning (EIA-608 & EIA-708) Type 1 ATSC Picture User Data is automatically embedded in the H.264 SEI per SCTE 128-1 standard*

LED indicators

Power, Encoding, Signal Lock for SDI, HDMI, Composite

*Server and player must support closed caption data in order for the closed caption overlay to be available for display





Technical Specifications common to all Talon Encoders

USB Connector

- USB Type A 2.0

Ethernet Connector

- 1 GigE x 1

Software Control

- HTTP Based-GUI

Weight

- 260g

Power Consumption

- 6W

Dimensions

- 93.1mm X 120.2mm X 24.75mm (Does not include mounting brackets or connectors)

Warranty

- 2 Years

Compliance

- CE, FCC, ROHS, WEEE

