Osprey® Talon G1H

H.264 Encoder

HDMI/CVBS inputs
One Touch Encoding
2 Configuration Modes
Closed Caption Support
Simultaneous Streaming and Archiving

Talon's unique design allows the user to select from 2 distinct configuration modes to suit a wide range of projects.

1X3 MBR Mode
1 source and streaming to up to 3 destinations in Multiple Resolutions and Bitrates. Supports Frame Alignment for seamless RTMP MBR streaming. Output formats include RTMP, RTP, UDP and Save to .TS file in resolutions up to 1080p60.

1X1 3G Mode
Captures from a 3G source and encodes a single 3G output stream in RTMP, RTP, UDP and Save to .TS file with resolutions up to 1080p60.

One Touch Start

Front panel control for easy start/stop of encoding.

Closed Caption

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

HTTP based configuration

Easily control encode settings with the user-friendly HTTP based interface. Quickly modify resolutions, frame-rates, and destination settings.

Professional Audio Options
Embedded HDMI: One stereo pair per input. Additional Unbalanced Stereo Pair available from front panel.

Mission Critical Encoding
Reliable Hardware Based Encoder
Silent Fan-less Operation
Low Power Consumption

Specifications

Description:
2 channel Hardware Based Encoder

Software Control:
HTTP-Based GUI

Ethernet Connector:
1 GigE x 1

Video Input:
HDMI 1080P/60
Composite (CVBS)

Video Connector:
Composite (RCA x 1)
HDMI

Audio Input:
Unbalanced stereo
Embedded HDMI (1 stereo pair)

Audio Connector:
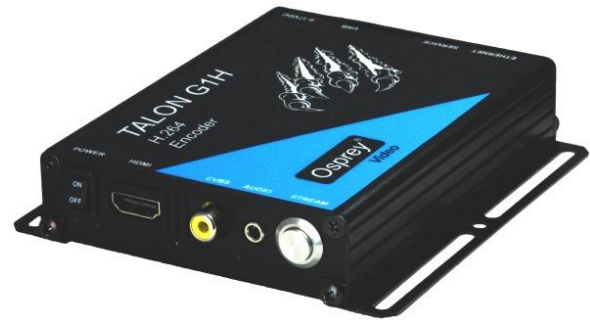Unbalanced stereo (3.5mm x 1)

USB Connector:
USB Type A 2.0

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

Hardware controls:
Power Switch
Stream Start/Stop button

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) via CVBS input. 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 HDMI, Composite

Dimensions:
93.1mm X 120.2mm X 24.75mm (Chassis only. Does not
include mounting brackets or connectors)

Weight:
260g

Power Consumption:
6W

Warranty:
2 year limited hardware warranty

Compliance:
CE, FCC, ROHS, WEEE

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