

## Technical Specifications

# BOXCAST

## BoxCaster Pro

### Professional Live Video Streaming Encoder

UPC: 859492004115

The BoxCaster Pro is our most powerful encoder—designed for easy, professional-level streaming, and backed by BoxCast's advanced video platform.



**MSRP: \$3,495**

## Connections

### Video Input

- 1 SD/HD/3G/6G/12G-SDI (BNC connector)
- 1 HDMI 2.0a

### Video Output

- 1 SD/HD/3G/6G/12G-SDI Loop Out (BNC connector)
- 1 HDMI 2.0a Pass Through (Coming Soon)

### Audio Input

- 2 channels embedded via SDI
- 2 channels embedded via HDMI
- 2 analog audio inputs (1/4" / XLR combo jacks)
- Line level and microphone level support with phantom power

### Audio Output

- 3.5 mm stereo headphone audio output jack (Production Audio)
- 2 channels embedded in SDI (Embedded Input Audio)
- 2 channels embedded via HDMI (Coming Soon)

### Wired Ethernet

- Gigabit Ethernet port (10/100/1000 BASE-T Gigabit)

### WiFi

- 802.11 ac/a/b/g/n 2x2 MIMO

### USB

- USB 2.0 input for BoxCast Wireless Scoreboard Adapter
- USB Type-C

## Supported Formats

### Supported Video Input Standards

- 480p 24/29.97/30/59.94/60 480i 59.94/60
- 576p 25/50, 576i 50
- 720p 23.98/24/25/29.97/30/50/59.94/60
- 1080i 48/50/59.94/60
- 1080p 23.98/24/25/29.97/30/48/50/59.94/60
- 2160p 23.98/24/25/29.97/30/48/50/59.94/60 (3840x2160)

### Supported Video Streaming Standards

- 480p 24/29.97/30/59.94/60
- 576p 25/50
- 720p 23.98/24/25/29.97/30/48/50/59.94/60
- 1080p 23.98/24/25/29.97/30/48/50/59.94/60

### Encoding (Video Compression)

- H.264, high profile level 4.2 (AVC)
- H.265, main profile (HEVC)

## Audio

### Audio Control

- Adjustable gain

### Audio Encoding

- AAC-LC

### Supported Video Bitrate

- 150 kbps -- 18 Mbps (Automatically regulated)

### Supported Video Transport Protocols

- BoxCast Flow: adaptive recovery, content-aware forward error correction, encryption, link quality adjustment, and TCP/UDP diversity.
- RTP over UDP

### Color Resolution

- Input: 4:2:0, 4:2:2, 4:4:4
- Streaming: 4:2:0

### Color Depth

- Input: 8-bit, 10-bit, 12-bit
- Streaming: 8-bit

### Audio Sampling Frequency

- 48 kHz

### Max Audio Bitrate

- 320 kbps

# BOXCAST

# Network

## Wired Ethernet

Gigabit ethernet port (10/100/1000 BASE-T Gigabit)

## WiFi

802.11 ac/a/b/g/n 2x2 MIMO

## Network Streaming Protocols

BoxCast Flow, RTP over UDP

# Monitoring

## Stream Monitoring

Live video preview on device screen

# Streaming

## Simultaneous Streams

1 input stream to the BoxCast Platform  
Unlimited output streams from BoxCast Platform

Note: The BoxCaster Pro streams exclusively to BoxCast's live video streaming platform.

# Physical

## Physical Dimensions

3.87 in x 5.46 in x 2.41 in

## Product Weight

1 lb 14.5 oz

## Shipping Weight

5 lb 8.8 oz

## Construction

Machined, aircraft aluminum body  
Hard anodized black finish

## Mounting

Vertically with 1/4" 20 mounting hole

## Display

4.3", High-brightness, 480px x 272px, resistive-touch LCD

## Storage Case

Rugged, hard plastic case with custom foam

# Other

## Control

BoxCast online dashboard, automated start/stop scheduling  
BoxCast Broadcaster App for iOS

## API Available

Yes for BoxCast Platform, No for BoxCaster Pro hardware

## Network

IP address assignment via DHCP

## Encryption

WEP, WPA/WPA2 Personal via AES/TKIP

## Bluetooth

Bluetooth 4.2

## Audio Monitoring

On screen levels for each channel and stream feed  
Stream audio via headphone output

## Streaming Destinations from the BoxCast Platform

BoxCast Platform, including native players for web, mobile, Apple TV, and Roku  
Facebook Live  
YouTube  
Periscope  
Any RTMP Destination

## Operating Temperature

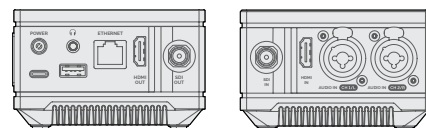
0° to 40°C (32° to 104°F)

## Power Input

12VDC @ 5A supply with threaded, locking barrel jack

## Indicator Lights

360 degree LED ring



## What's in the Box

Rugged, hard plastic case  
BoxCaster Pro  
12VDC, 5A power supply  
Quick start guide

## Certifications

