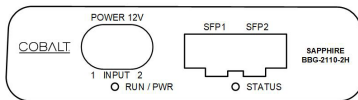
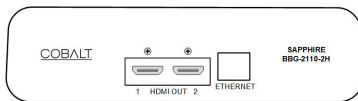


## COBALT SAPPHIRE BBG-2110-2H · Two Channel ST 2110/JPEG-XS\* Converter with HDMI Outputs

**SAPPHIRE**  
CONVERTERS



The **SAPPHIRE BBG-2110-2H** mini-converter addresses the need to display received ST 2110 or JPEG-XS\* content on HDMI monitors in a simple and cost-effective way. The mini-converter is designed to be mounted behind the monitor.

The BBG-2110-2H is a two-channel unit with independent HDMI outputs.

The converter includes two SFP cages with support for 10G and 25G Ethernet ports, a 1Gb copper Ethernet port for out-of-band management, support for SMPTE ST 2022-7 Seamless Switching up to Class C operation for WAN environments, support for NMOS IS-04/IS-05 control and management (both in-band and out-of-band), and in-band PTP support.

Available in a passive cooling, fan-less design for quiet environments or a smaller, active cooling, fan design.

SAPPHIRE BBG units are capable of fully asynchronous operation and are IPMX compliant.

\*+JPEG-XS optional license

### Features

Converts ST 2110-20 or -22 JPEG-XS (license required) streams with associated -30 audio and -40 ancillary data essences to HDMI.	Supports NMOS IS-04/IS-05 control, both in-band and out-of-band.
Supports SMPTE ST 2022-7 Seamless Redundancy up to Class C for WAN operation.	Web interface and DashBoard™ control.
Available with an active cooling fan (smaller package) or a passive fan-less version for quiet operation.	Dual power supply connections for redundancy.
Can be mounted behind the monitor. See mounting bracket options.	Supports all popular formats: 720p, 1080i, 1080p, and 2160p (2160p is available on the first path only).

### Specifications

<b>Outputs</b> (2) HDMI Outputs	<b>Stream Interfaces</b> (2) 10G/25G SFP 28 cages	<b>Management Port</b> 100/1000 Mbps Ethernet with Auto-MDIX
<b>Power Inputs</b> (2) 12V DC Inputs (for redundant power supply)		<b>Standards Support</b> Support for JPEG-XS* as per ST 2110-22 and VSF TR-08 Support for ST 2110-20 video, ST 2110-30 audio, and ST 2110-40 ancillary data essences
<b>PS-40W-761K</b> Power Supply Brick: 80–264VAC /47–63Hz 4.92" x 1.97" x 1.24" / 125 x 50 x 31.5 mm		<b>Dimensions</b> <b>(A)</b> Active cooling fan. Device dimensions are: 3.92" x 5.52" x 1.58" <b>(P)</b> Passive cooling - No fan. Device dimensions are: 8" x 5.5" x 2.37"

## COBALT SAPPHIRE BBG-2110-2H · Two Channel ST 2110/JPEG-XS\* Converter with HDMI Outputs

### Ordering Information

**BBG-2110-2H (A or P)**

**(A)** Active cooling fan

**(P)** Passive cooling - No fan

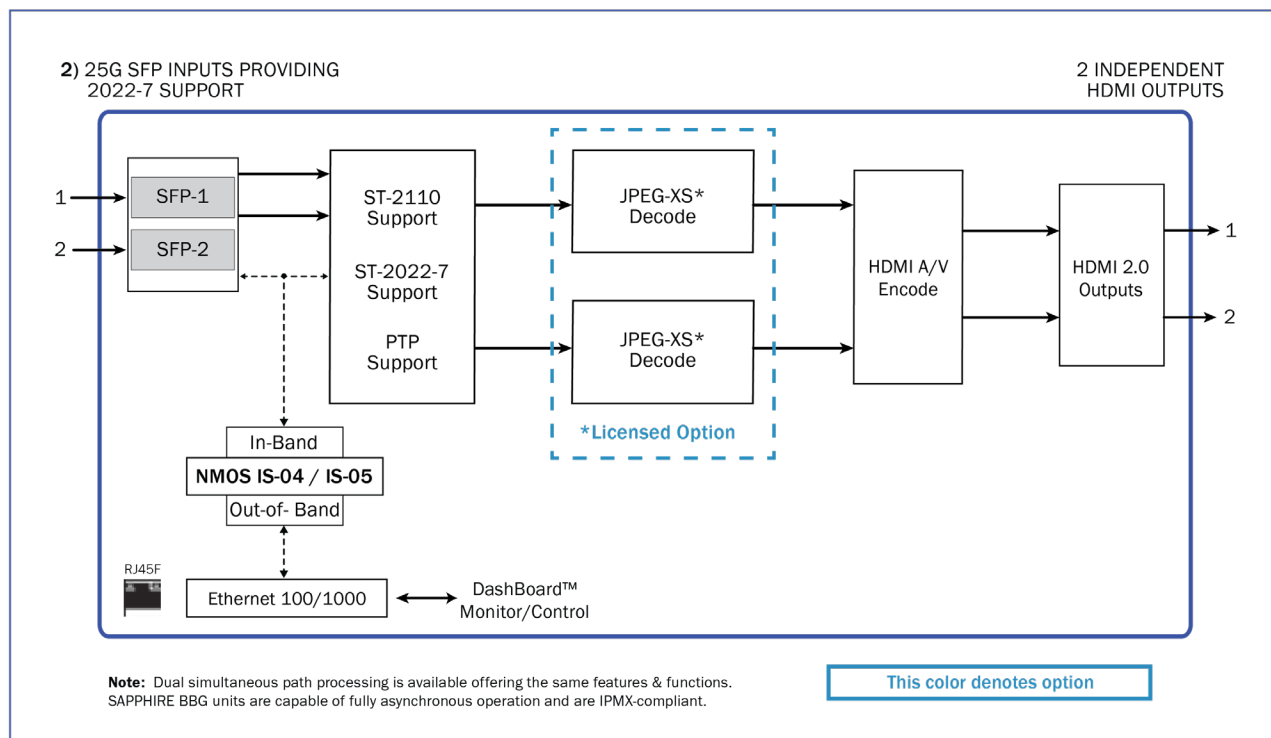
**+JPEG-XS** \*Licensed Option

**Accessories:**

- SAPPHIRE BBG-Desktop Stand
- SAPPHIRE BBG-Arm Bracket (VESA)
- SAPPHIRE BBG-Wall Bracket
- SAPPHIRE BBG-Monitor Rack Rail Bracket
- PS-40W-761K Second / redundant power supply

## SAPPHIRE BBG-2110-2H

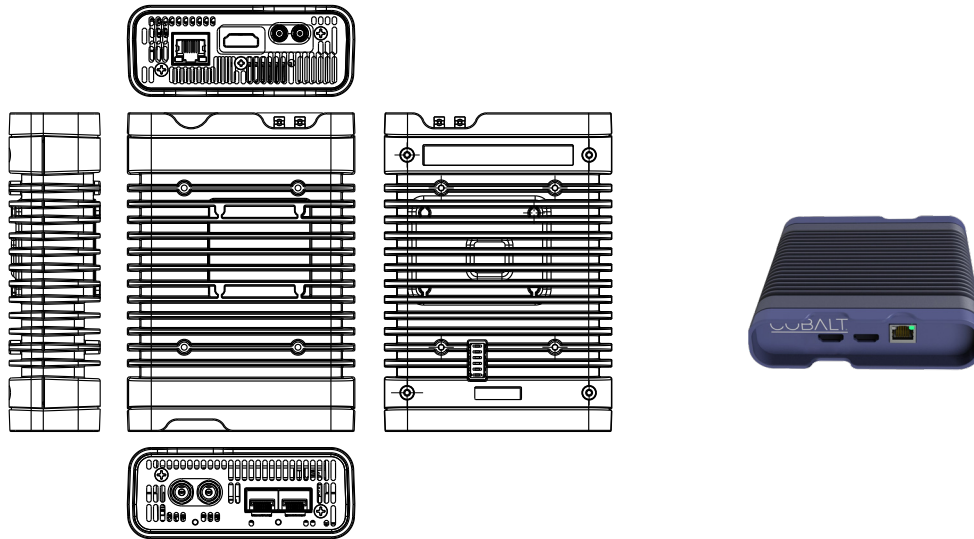
Dual channel converter from IP to HDMI



COBALT SAPPHIRE BBG-2110-2H · Two Channel ST 2110/JPEG-XS\* Converter with HDMI Outputs

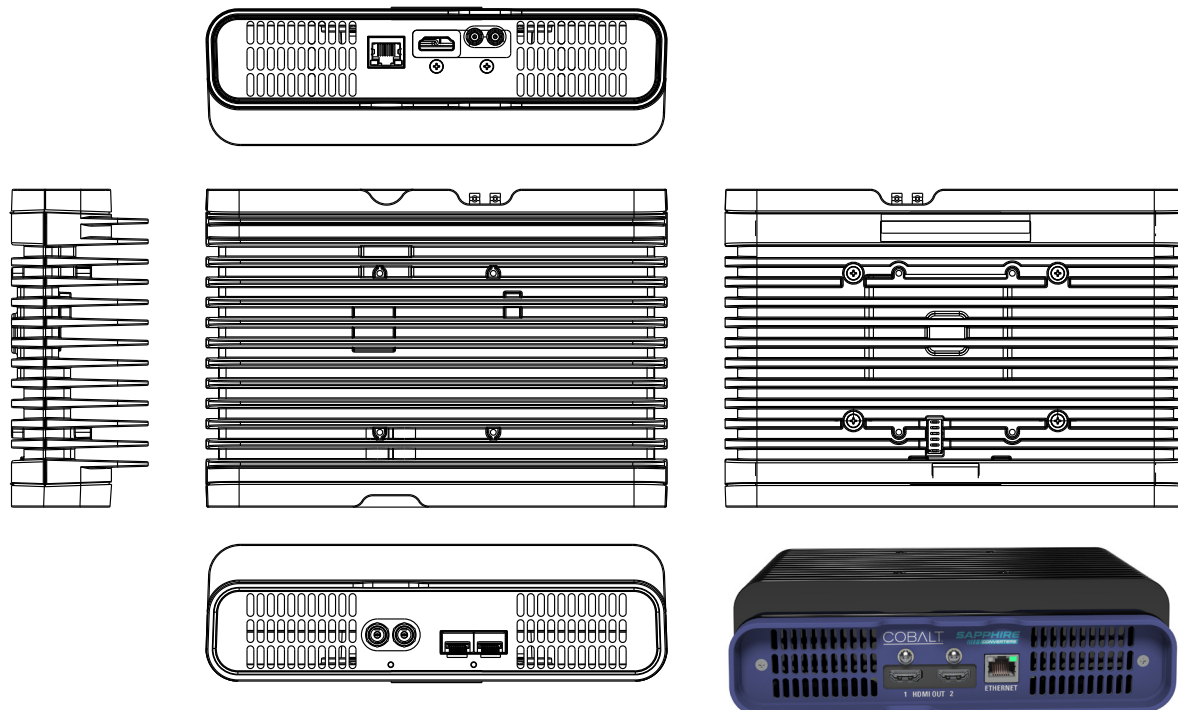
**Active cooling, fan installed**

Device dimensions: 3.92 inches wide · 5.52 inches long · 1.58 inches high



**Passive cooling, no fan**

Device dimensions: 8 inches wide · 5.5 inches long · 2.37 inches high



## COBALT SAPPHIRE BBG-2110-2H · Two Channel ST 2110/JPEG-XS\* Converter with HDMI Outputs



### Options and Accessories:

- SAPPHIRE BBG-Stand
- SAPPHIRE BBG-Arm Bracket (VESA)
- SAPPHIRE BBG-Wall Bracket
- SAPPHIRE BBG-Monitor Rack Rail Bracket
- Second / redundant power supply PS-40W-761K