

COBALT SAPPHIRE BBG-2110-4Ho/4Sio • ST 2110/IPMX Quad-Channel Converter with 12G SDI and HDMI Outputs

SAPPHIRE
CONVERTERS



The COBALT SAPPHIRE BBG-2110-4Ho/4Sio Quad-channel SMPTE ST 2110/IPMX to HDMI/SDI converter unit with four simultaneous HDMI and SDI outputs.

The SAPPHIRE BBG series of mini converters deliver high-quality design, function, and reliability in a small package. The units are the ideal choice for directly displaying incoming IPMX content on HDMI monitors, including content originating from a WAN connection, and for converting HDMI to compressed or baseband IPMX streams. The converters are available in single, dual, and quad-channel configurations, with some models capable of simultaneously transmitting and receiving. They feature audio sample rate conversion, and the receiving units can mix-and-match audio channels that are asynchronous to the video. The converters can be mounted directly behind the monitor, will not take up any rack space, and are incredibly quiet, which makes them ideal for small editing or control suites.

The units feature dual SFP cages with support for 10G and 25G Ethernet ports with an additional 1Gbps copper Ethernet port for out-of-band management.

Support for SMPTE ST 2022-7 seamless switching up to Class-C operation for WAN environments, NMOS IS-04/IS-05 control and management, both in-band and out-of-band, and uncompressed ST 2110-20 video and JPEG-XS compressed ST 2110-22 video is an option. The new switching function allows the new channel to lock into place before releasing the old channel for a seamless experience. This also includes audio ramp down/ramp up to avoid a click.

Note: The SAPPHIRE BBG-2110-4Ho/4Sio currently supports 1 path of 4K. The other 3 paths support up to 1080p.

Features

(4) SFP cages – (2) 10/25G IP transport and (2) reserved for future use	Supports all popular formats: 720p, 1080i, 1080p, 2160p
(4) Bidirectional SDI I/O	Asynchronous operation and are IPMX-ready
(4) HDMI Outputs	(1) Reference Input, (1) Reference Output – Note: Both for future use
RJ45 - Ethernet control	Redundant power connections
NMOS IS-04/IS-05	Low noise active cooling fan
With the factory installed audio option there are (4) 3.5mm TRS jacks for consumer analog audio levels. Configurable in software as Analog Inputs or Outputs	Five Year Warranty

Options

+ JPEG-XS license option	CB-BBG-CA75-BNCM AES break-out cable HD15 pin to BNC (4 Inputs & 4 Outputs, or 8 Inputs or 8 Outputs)
Audio daughter board allows for AES I/O and analog audio I/O option*	Additional power supply for redundant operation
Mounting Brackets	

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Ordering Information

BBG-2110-4Ho/4Sio

+ **JPEG-XS*** License option

-**BBG-2110-4Ho/4Sio-AUD** Audio daughter board - AES I/O and Analog audio I/O

- **CB-BBG-CA75-BNCM** AES break-out cable HD15 pin to BNC (4 Inputs & 4 Outputs, or 8 Inputs or 8 Outputs)

- **PS-40W-761K** Spare / Redundant power supply (1 power supply included with purchase)

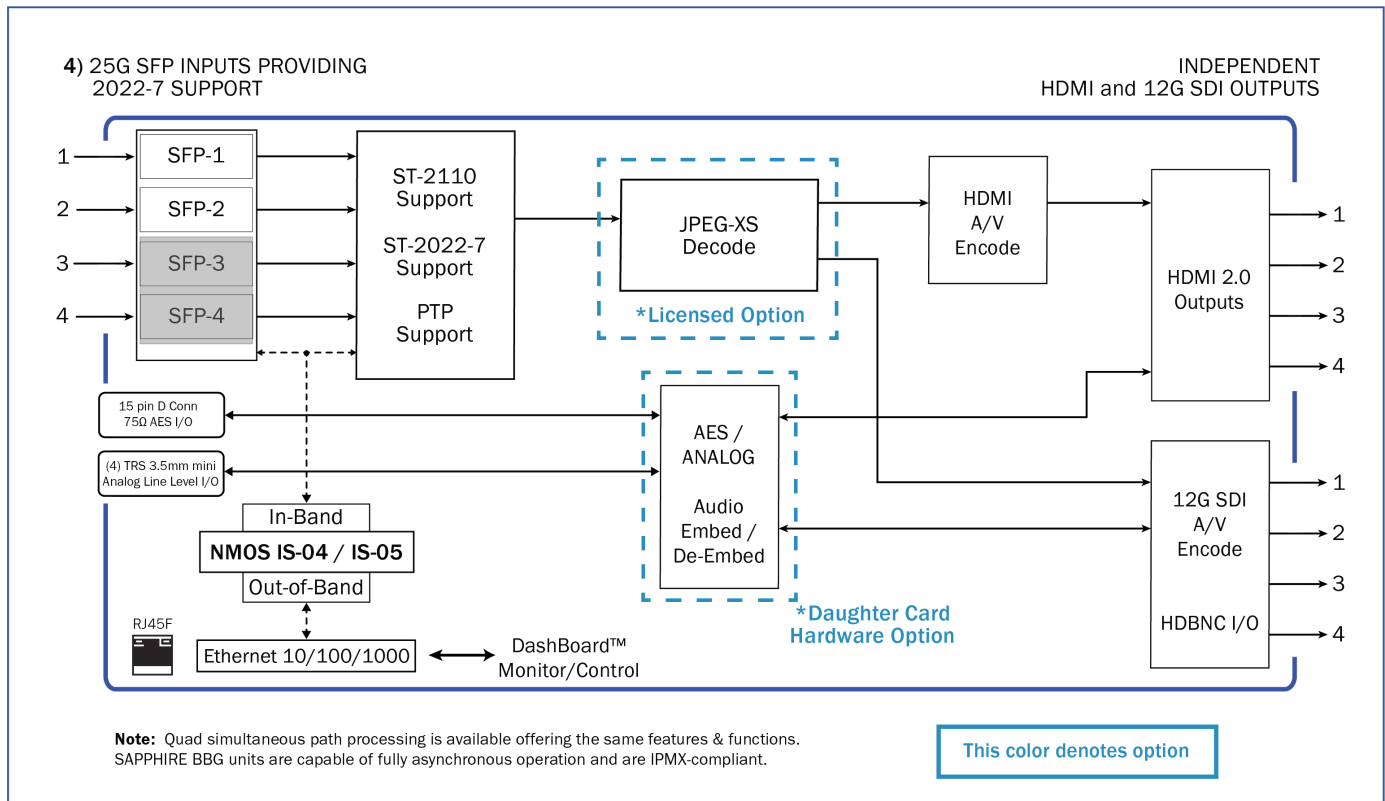
Mounting Accessories:

- SAPPHIRE BBG-Desk-top Stand
- SAPPHIRE BBG-Arm Bracket (VESA)
- SAPPHIRE BBG-Wall Bracket
- SAPPHIRE BBG-Monitor Rack Rail Bracket

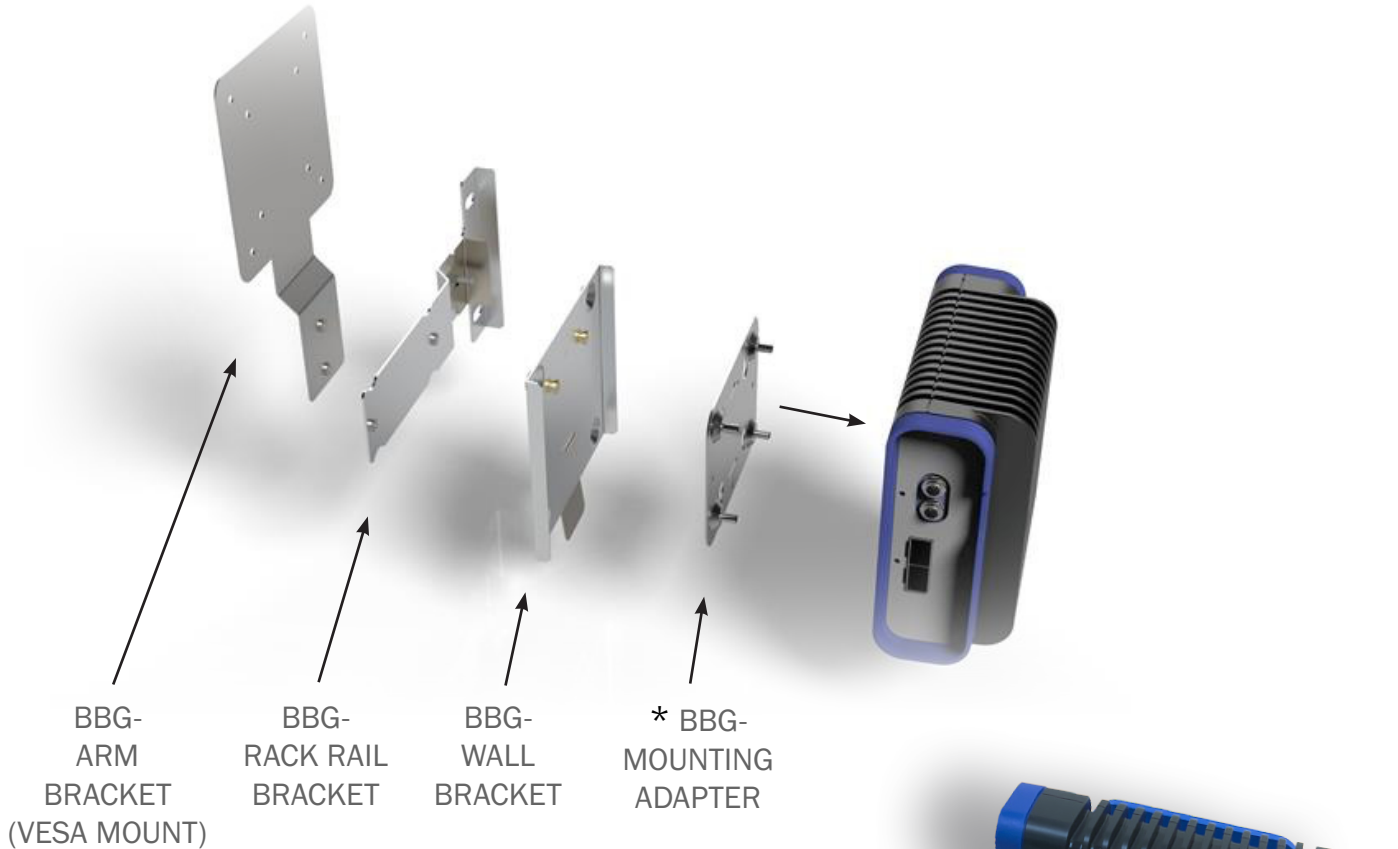
Note: All specifications are preliminary and subject to change.

COBALT SAPPHIRE BBG-2110-4Ho/4Sio

Quad channel converter from IP to HDMI and 12G SDI



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* The mounting adapter is included with all bracket purchases

Options and Accessories:

- SAPPHIRE BBG- Arm Bracket (VESA MOUNT)
- SAPPHIRE BBG- Rack Rail Bracket
- SAPPHIRE BBG- Wall Bracket
- SAPPHIRE BBG- Desktop Stand
- CB-BBG-CA75-BNCM | AES break-out cable HD15 pin to BNC (4 Inputs & 4 Outputs, or 8 Inputs or 8 Outputs)



- Spare / Redundant power supply PS-40W-761K

