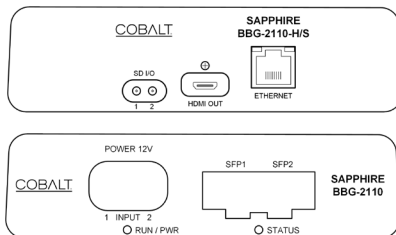# COBALT SAPPHIRE BBG-2110-H/S ● 12G SDI and JPEG-XS* Mini-Converter with HDMI Output

SAPPHIRE CONVERTERS

NEW 4K SOLUTION

The **SAPPHIRE BBG-2110-H/S** mini-converter addresses the need to display received 12G SDI Baseband 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-H/S is a single channel unit with simultaneous HDMI and 12G SDI outputs.

The converter includes **dual SFP cages** with support for 10G and 25G Ethernet ports, additional 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 as a passive **(P)**, fan-less design for quiet environments. **(A)** Active cooling (fan version) is available.

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

The SAPPHIRE BBG units are the ideal choice for directly displaying incoming Baseband or JPEG-XS* content on HDMI monitors, including content originating from a WAN connection.

The units can be mounted directly behind the monitor with optional mounting brackets. No need to take up any additional rack space.

Features

Converts 1 JPEG-XS* stream or 12G SDI with associated audio and 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 **Active** cooling fan or **Passive** fan-less version for quiet operation.	Dual power supply connections for redundancy.
Can be mounted behind the monitor. See mounting bracket options below -	Supports all popular formats: 720p, 1080i, 1080p, 2160p
+JPEG-XS * optional license	**Five Year Warranty**

Ordering Information

BBG-2110-H/S (A or P) frame with redundant power connections and built-in network controller.

(A) Active cooling fan.
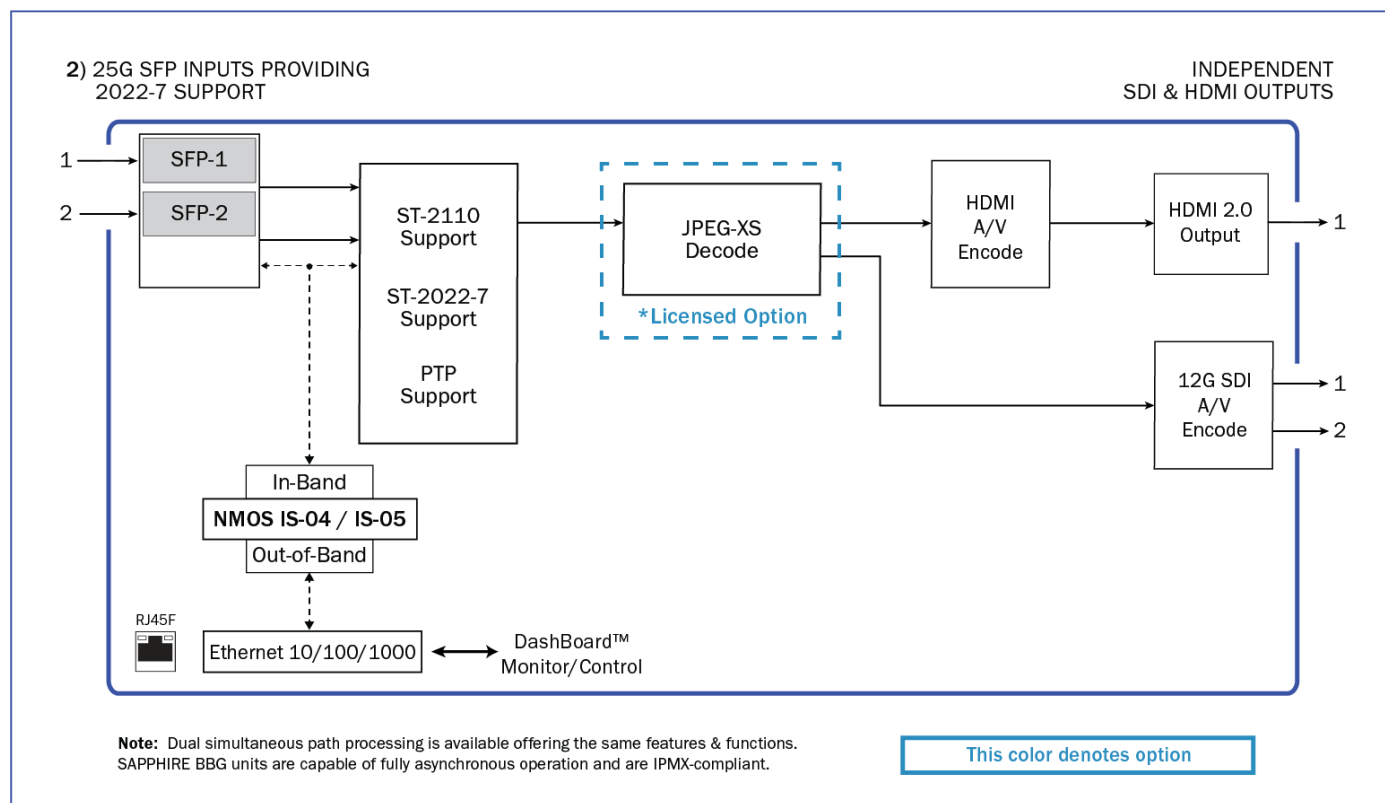**(P)** Passive cooling - No fan.

+JPEG-XS * License Option

Accessories:
• SAPPHIRE BBG-Desk-top Stand
• SAPPHIRE BBG-Arm Bracket (VESA)
• SAPPHIRE BBG-Wall Bracket
• SAPPHIRE BBG-Monitor Rack Rail Bracket
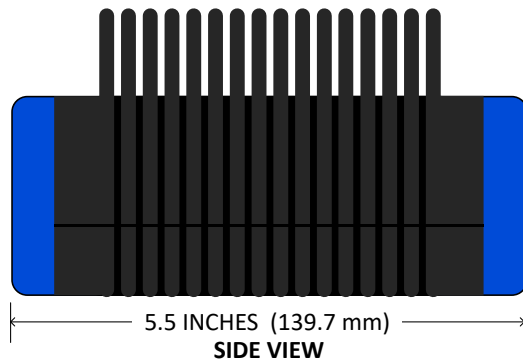• PS-40W-761K Second / Redundant power supply

SAPPHIRE BBG-2110-H/S
Single channel converter from IP or 12G SDI to HDMI

2) 25G SFP INPUTS PROVIDING 2022-7 SUPPORT

INDEPENDENT SDI & HDMI OUTPUTS

SFP-1
SFP-2

ST-2110 Support
ST-2022-7 Support
PTP Support

JPEG-XS Decode
Licensed Option

HDMI A/V Encode

HDMI 2.0 Output — 1

12G SDI A/V Encode — 1, 2

In-Band
NMOS IS-04 / IS-05
Out-of-Band

RJ45F
Ethernet 10/100/1000 ←→ DashBoard™ Monitor/Control

Note: Dual simultaneous path processing is available offering the same features & functions. SAPPHIRE BBG units are capable of fully asynchronous operation and are IPMX-compliant.

This color denotes option

COBALT

Cobalt Digital Inc.
2506 Galen Drive
Champaign IL, 61821

(217) 344-1243
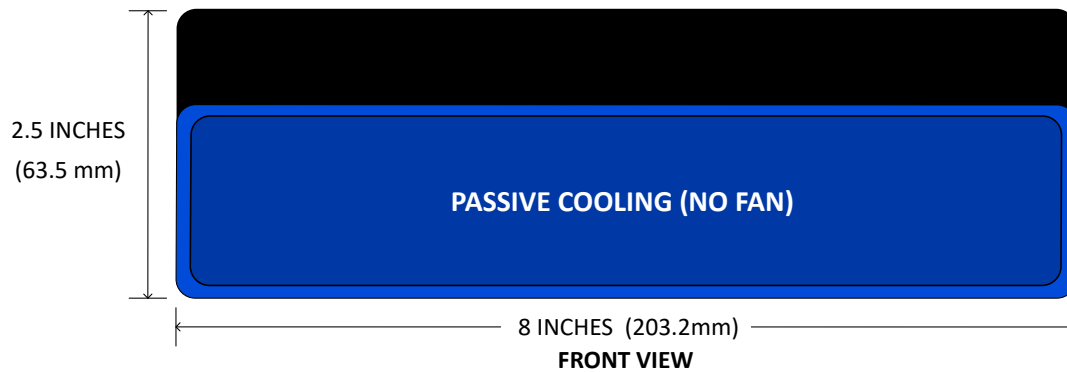info@cobaltdigital.com
www.cobaltdigital.com

SAPPHIRE
CONVERTERS

BBG-2110--2H & H/S
OVERALL DIMENSIONS

(NOT TO SCALE)

THIS UNIT HAS PASSIVE COOLING (no fan)
Dimensions: 8"w x 5.5"d x 2.5"h

5.5 INCHES (139.7 mm)
SIDE VIEW

2.5 INCHES
(63.5 mm)

PASSIVE COOLING (NO FAN)

8 INCHES (203.2mm)
FRONT VIEW

THIS UNIT HAS AN ACTIVE COOLING (FAN)
DIMENSIONS: 4"w x 5.5"d x 1.5"h
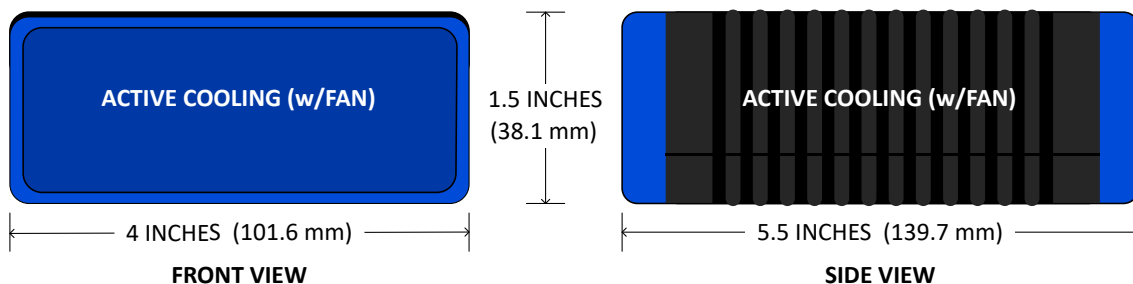
ACTIVE COOLING (w/FAN)

1.5 INCHES
(38.1 mm)

ACTIVE COOLING (w/FAN)

4 INCHES (101.6 mm)
FRONT VIEW

5.5 INCHES (139.7 mm)
SIDE VIEW

ARM
BRACKET
(VESA)

RACK RAIL
MOUNT
BRACKET

WALL
BRACKET

MOUNTING
ADAPTOR
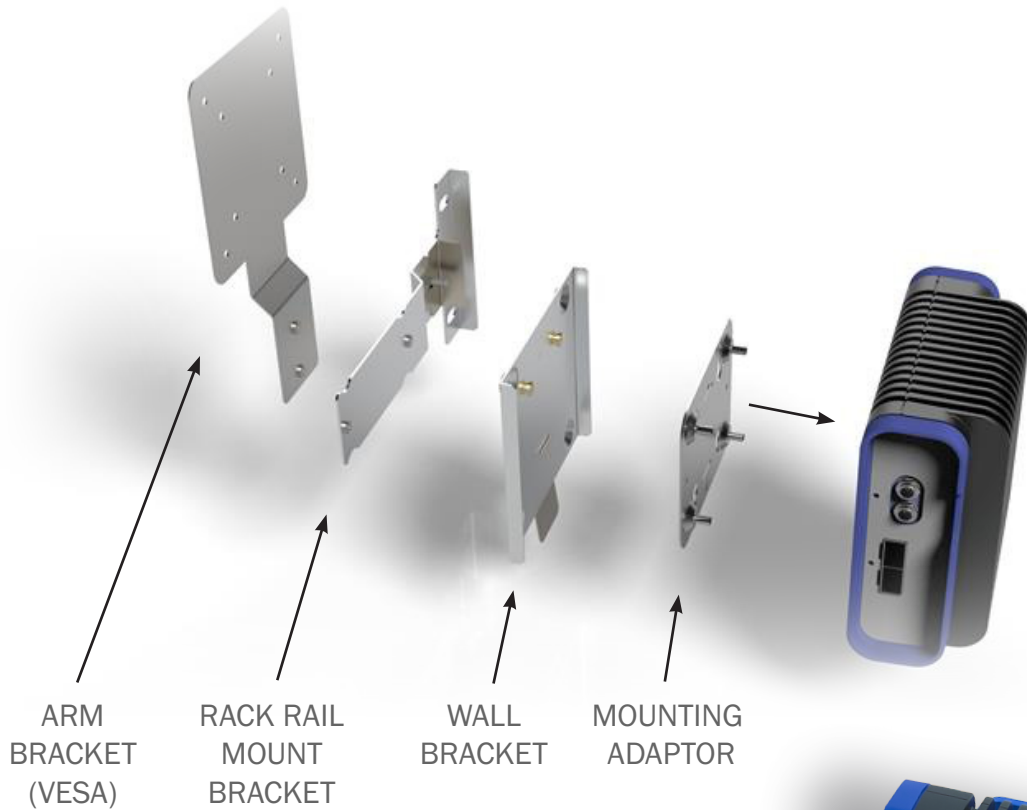
STAND

Options and Accessories:
- SAPPHIRE BBG-Stand
- SAPPHIRE BBG-Arm Bracket (VESA)
- SAPPHIRE BBG-Wall Bracket
- SAPPHIRE BBG-Monitor Rack Rail Bracket
- Spare / Redundant power supply PS-40W-761K