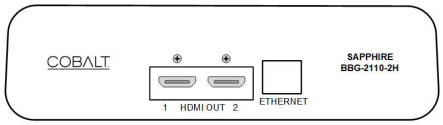
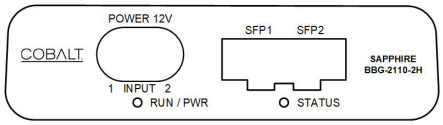
COBALT SAPPHIRE BBG-2110-2H ● Dual Channel JPEG-XS Mini-Converter with HDMI Outputs





The **SAPPHIRE BBG-2110-2H** 12G mini-converter addresses the need to display received 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-2110-2H is a dual-channel unit with independent HDMI 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, fan-less design for quiet environments. Active cooling (fan version) is available.

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.

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

Features

Converts 12G baseband or JPEG-XS streams 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.	Supports all popular formats: 720p, 1080i, 1080p, 2160p

Specifications

Note: All specifications are preliminary and subject to change. Be aware of the **A** version Vs the **P** version dimensions.

Management Port
100/1000 Mbps Ethernet with Auto-MDIX

Outputs
(2) HDMI Outputs

Stream Interfaces
Dual 10G/25G SFP 28 cages

Standards Support
Support for JPEG-XS* as per ST 2110-22 and VSF TR-08
Support for ST 2110-30 audio and ST 2110-40 ancillary data - essences

PS-40W-761K Power Supply Brick: 80~264VAC /47~63Hz
4.92” x 1.97” x 1.24” / 125 x 50 x 31.5 mm

Dimensions
(A) Active cooling fan. Device dimensions are: 4” x 5.5” x 1.5”
(P) Passive cooling - No fan. Device dimensions are: 8” x 5.5” x 2.5”

Specifications subject to change. E&OE. ©2024 Cobalt Digital Inc

COBALT SAPPHIRE BBG-2110-2H ● Dual Channel JPEG-XS Mini-Converter with HDMI Outputs

Ordering Information

BBG-2110-2H (A or P) Frame with redundant power connections and built-in network controller.

(A) Active cooling fan

(P) Passive cooling - No fan

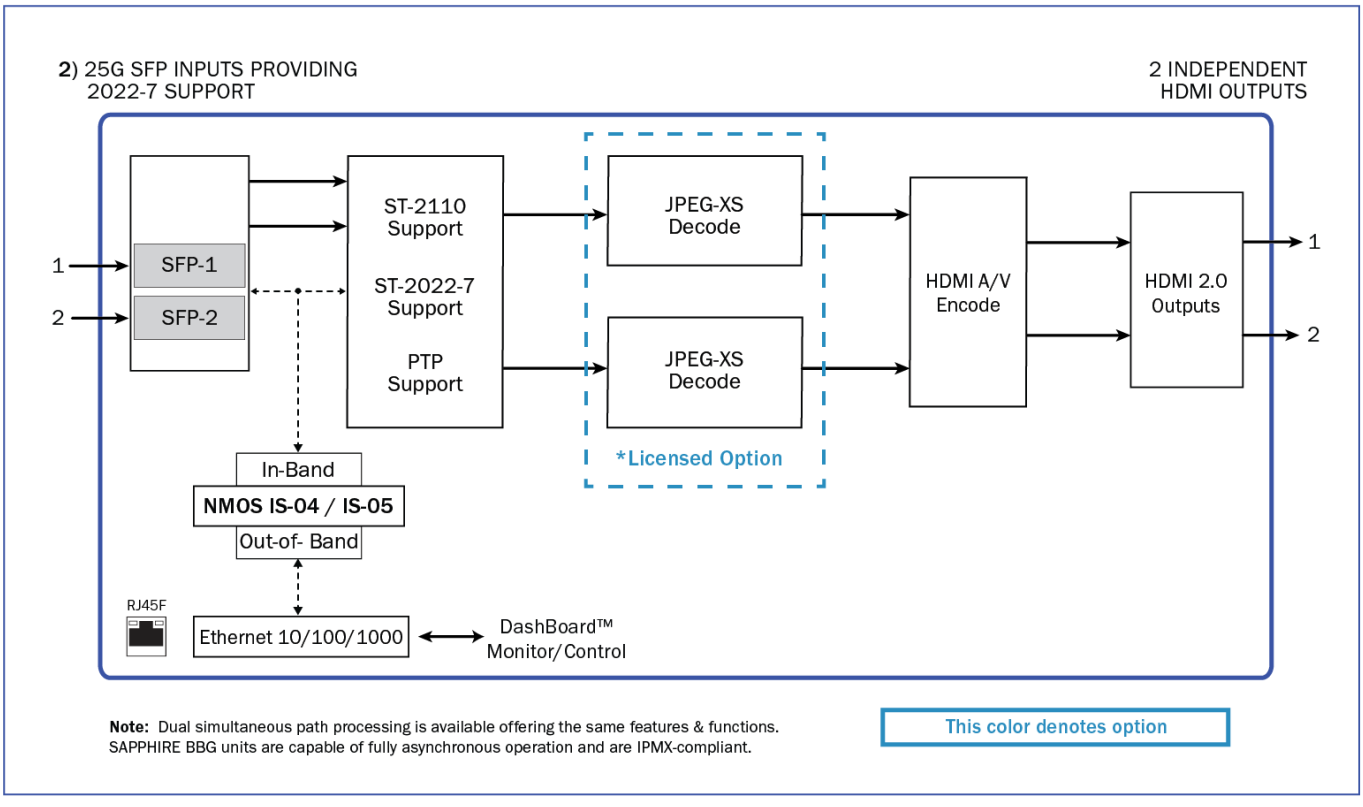
+JPEG-XS ***Licensed Option**

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



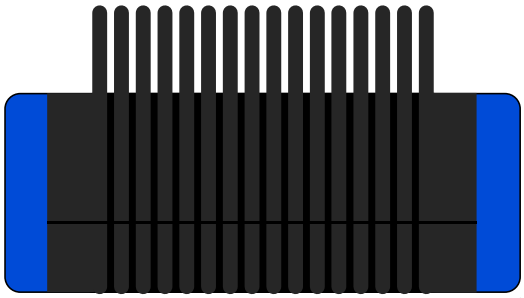
Cobalt Digital Inc.
2506 Galen Drive
Champaign IL, 61821

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

Specifications subject to change. E&OE. ©2024 Cobalt Digital Inc

SAPPHIRE CONVERTERS

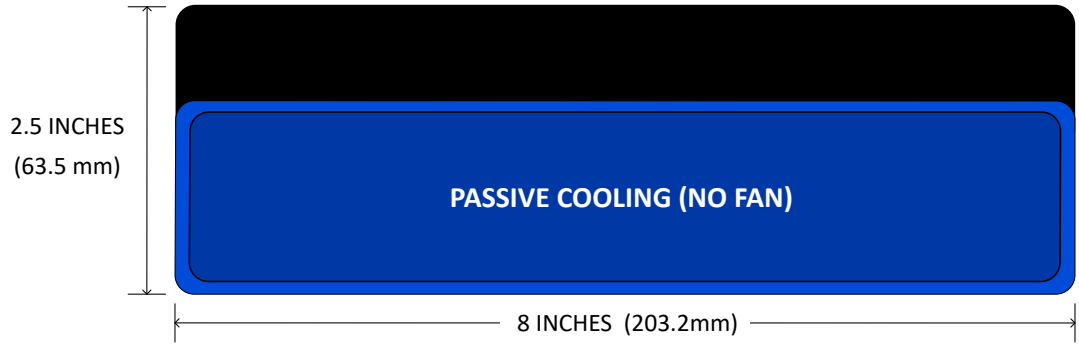
BBG-2110-2H *and* BBG-2110--H/S OVERALL DIMENSIONS



SIDE VIEW

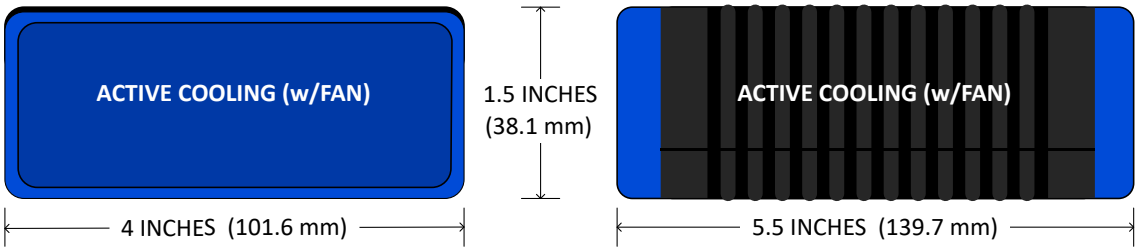
(NOT TO SCALE)

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



FRONT VIEW

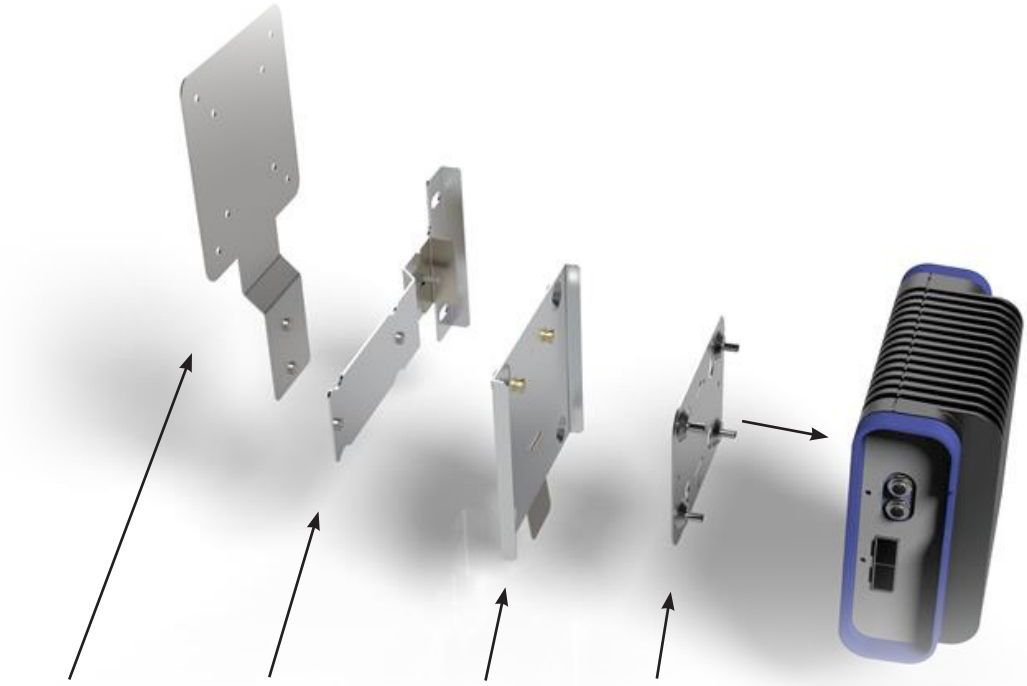
THIS UNIT HAS AN ACTIVE COOLING (FAN)
DIMENSIONS: 4”w x 5.5”d x 1.5”h

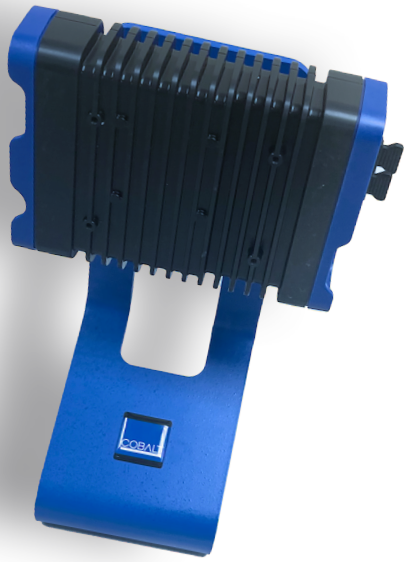


FRONT VIEW **SIDE VIEW**

Specifications subject to change. E&OE. ©2024 Cobalt Digital Inc

COBALT SAPPHIRE BBG-2110-2H ● Dual Channel JPEG-XS Mini-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

Specifications subject to change. E&OE. ©2024 Cobalt Digital Inc