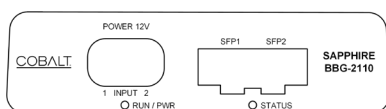## Sapphire BBG-2110-H/S ● Single Channel JPEG-XS Mini-Converter

SAPPHIRE CONVERTERS

The **Sapphire BBG-2110-H/S** mini-converter addresses the need to display received JPEG-XS content on HDMI monitors in a simple and cost-effective way. This mini-converter is designed to be mounted behind the monitor.

The BBG-2110-H/S is a single-channel unit with simultaneous HDMI and 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 or an active **(A)** cooling (fan version) is also available. A future update will add support for uncompressed ST 2110-20 video.

The Sapphire BBG units are the ideal choice for directly displaying incoming JPEG-XS content on HDMI monitors, including content originating from a WAN connection. The units can be mounted directly behind the monitor, no need to take up any rack space.

Features

Converts one JPEG-XS stream 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 Fan-less version for quiet operation. **A or P version.**	Dual power supplies for redundancy.
Can be mounted behind the monitor. See Bracket Options.	Supports all popular formats: 720p, 1080i and 1080p

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 Simultaneous HDMI and SDI outputs (2)	**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
Stream Interfaces Dual 10G/25G SFP 28 cages	**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"

Order Information

BBG-2110-H/S (A or P) Frame with redundant power and network controller included.

(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"

Options and Accessories:
• Sapphire BBG-STAND
• Sapphire BBG-Mounting Adaptor (required for all brackets)
• Sapphire BBG-Arm Bracket
• Sapphire BBG-Wall Bracket
• Sapphire BBG-Monitor Rail Bracket
• 2nd / Redundant power supply