

Sapphire BBG-2110-2H • Dual Channel JPEG-XS Mini-Converter with HDMI Outputs



The **Sapphire BBG-2110-2H** mini-converter addresses the need to display received JPEG-XS content on HDMI monitors in a simple and cost-effective way. The dual channel 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. 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 two 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 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 (2) HDMI Outputs	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"

Ordering Information

BBG-2110-2H (A or P) Frame with redundant power and network controller. (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: <ul style="list-style-type: none"> 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
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