BD30AV-UHD Series
8K/4K UHD SDI & IP Delay Line

BD30AV-UHD series is the world's first TRUE 8K/4K UHD solid state delay line without any data compression. Maintain the highest video quality, compatible with 8K/4K UHD SDI uncompressed signals, ST2110 IP, or JPEG-XS or TICO IP streams & the variety of signal standards & formats.



- Compatible with 8K/4K UHD SDI signals, selectable 4 x 12G, 12G-SDI, 3G-SDI, HD-SDI or ST2110 IP (Option) inputs and outputs.
- 30 seconds delay time as the standard feature.
  Options provides maximum up to 180 seconds delay time for 8K signals, & up to 720 seconds delay time for 4K signals.
- 8K or 4K UHD frame synchronizer built-in with 8K or 4K series, Gen lockable.
- Up to 32 channel AES/EBU embedded UHD SDI signal in & out.
- Front panel BYPASS feature to cancel the delay.
- Provides redundant hot swappable power supplies.
- Optional feature of the second channel of 8K/4K HDR SDI signal as the backup channel input, and synchronized seamlessly switched out feature.
- Optional feature of 8K signal down converted to 4K 12G-SDI OUT, or 4K signal down converted to 3G-SDI OUT.
- Optional feature of Audio Offset feature to compensate the system audio advanced and lip Sync.
- Optional with selectable 4 channels de-embedded AES/EBU audio signals preview outputs.
- 4K series optional with un-compressed UHD SDI over ST2110 IP QSFP28 100G, or SFP28 25G I/Os, with NMOS IS-04 discovery and registration, NMOS IS-05 device connection management, and ST2059-2 PTP Gen lockable.
- Optional for stand alone remote control unit.

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Technical Specifications

12G-SDI Digital Signal Specifications

- SDI Amplitude (Vp-p) 800 mV ± 10%;
- SDI Timing Jitter 10Hz < 3UI;
- SDI Alignment Jitter 100kHz < 0.3UI ;
- QL 4 x 12G or 4 x 3G SDI Interface Timing Difference < 400ns



Inputs & Outputs

Inputs: 12G-SDI BNC x 4 (8K Series)
12G-SDI BNC x 1 (4K Series)
Spare Inputs: 12G-SDI BNC x 1 (4K Series Options)
PG Outputs: 12G-SDI BNC x 4
(8K Series, with additional 12G-SDI BNC x 4 PG OUT options)
12G-SDI BNC x 2 (4K Series)
PV Outputs: 12G-SDI BNC x 4 (8K Series Options)
12G-SDI BNC x 1 (4K Series)
IP I/Os: QSFP28 or SFP28 x 2 (4K Series Un-compressed IP Options)
REF GENLOCK BNC x 2
AES/EBU Phoenix x 4 (Options)
Remote: 1G Ethernet RJ-45 x 1 (SNMP V1.0), RS-422 x 1

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