

BD30AV UHD Series

4K/8K UHD & IP Delay Line

BD30AV UHD series is the world's longest TRUE 4K/8K UHD solid state delay line without any data compression. Compatible with 4K/8K HDR SDI base band signals, TICO or LLVC NMI IP data streams & the variety of signal standards & formats.



- Compatible with 4K HDR SDI signals, selectable 12G-SDI, 4 x 3G-SDI, 3G-SDI, HD-SDI or IP (Option) inputs and outputs.
- 30 seconds delay time for 4K UHD-SDI as the standard model, maximum up to 720 seconds delay time as the option.
- 4K UHD frame synchronizer built-in, Gen lockable.
- Provides up to 16 channel AES/EBU embedded 4K UHD SDI signal in & out.
- Provide BYPASS feature to cancel the delay.
- Optional with audio offset feature to compensate the system lip Sync.
- Optional with de-embedded audio signals outputs
- Optional independent up to 4 channels 3G or HD delay lines.
- Optional for 4K UHD SDI signal generator built-in.
- Optional for 4K Logo insertion feature.
- Optional for HDMI input and preview output.
- Optional for the second channel of 4K HDR SDI signal as the backup channel seamlessly switched out feature
- Optional for SFP+ IP I/O with SMPTE 2022-6 & 7.
- Optional to support 4K TICO or LLVC NMI IP formats data streams I/O
- Optional for SFP28 IP I/O with SMPTE 2110.
- Optional for stand alone remote control unit.
- Optional for redundant hot swappable power supply.

Technical Specifications



FORMATS

- SMPTE ST292 (1.5 Gbps), SMPTE ST424 (3 Gbps)
- SMPTE ST2081 (6 Gbps), SMPTE ST2082 (12 Gbps)
- SMPTE ST2036 (UHDTV - 3840x2160 @ Frame Rate 25/29.97/30/50/59.94/60)
- CIE 2020 HDR supported

VIDEO SPEC

4K QL 4 x 3G-SDI Digital Signal Specifications

- SDI Amplitude (Vp-p) 800 mV \pm 10%;
- SDI Timing Jitter 10Hz < 1.5UI;
- SDI Alignment Jitter 100kHz < 0.3UI ;
- QL 4 x 3G-SDI Interface Timing Difference < 400ns

INPUTS / OUTPUTS

- 12G/6G/3G/HD SDI BNC Connector x 12
- REF IN BNC Connector x 2
- 1G/100M/10M Ethernet RJ-45 Connector x 1
- USB UART x 1
- Optional SFP+ or SFP28 IP Connector x 2
- Optional TICO format processing I/O
- Optional NMI format processing I/O
- Optional DP or HDMI Digital Media Connector



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