

DisplayPort to Quad SDI

Theatrixx



#XVVR-4DP2QSDI

While 4K video sources are well on their way to becoming commonplace in professional and consumer electronics, and 8K right is around the corner, there is still a fair amount of signal transport and display solutions utilizing Full-HD infrastructure. 3G-SDI is a proven, reliable transport medium and trusted by millions of users worldwide, and a staggering amount of displays and projectors are still being shipped with native Full-HD support. Meanwhile, 4K sources such as computers and media servers are readily available, and this often creates a case of wastage when the displays can't use the full pixel output of a source. Introduction the Theatrixx DisplayPort to Quad-SDI converter - the ideal bridge between your 4K sources and Full-HD displays. It has been designed with a single function in mind: take a 4K50/60, DisplayPort 1.2 input signal, and slice it into four 1080p60 quadrants on 3G-SDI connectors. Featuring 4 processing channels in a compact 1U enclosure, the device is capable of taking 4x 4K60 DisplayPort inputs and delivering 16 Full-HD, 1080p60 outputs simultaneously with zero configuration. Latency is kept to a minimum thanks to a simplified yet robust processing architecture. Each processing channel features a Gen-Lock input and loop thru for external synchronization, and the device is capable of generating a test pattern when no signal is applied to its input. The DisplayPort to Quad-SDI converter is future proof, enabling multiple channels to be synchronized together to handle combined resolutions of 8K, 16K, and more.

Features

Internal or external (tri-level) sync source with automatic detection

Less than 2 frames latency

Built-in test pattern automatically enabled when no signal present (or black field, user-selectable)

Pre-configured EDIDs for both 60Hz and 50Hz (user-selectable)

Also available as a single-channel module in **stage box** or reversible module format



Connections	Processing Modules	4 fully independant DP to Quad SDI with sync
Supported Signals	Video Input	4 x DisplayPort 1.2
	Video Ouput	4 x Quad-link 3G-SDI BNC (16 BNC)
	Sync Input	Tri-level sync (BNC) with loop-thru
	DisplayPort 1.2 / HDMI 2.0 input (4K60P 4:4:4)	4096x2160p @ 60/50 fps 4096x2160p @ 30/25/24 fps 3840x2160p @ 60/50 fps 3840x2160p @ 30/25/24 fps 1920x1080p @ 60/50 fps 1920x1080p @ 30/25/24 fps 1920x1080i @ 60/50 fps
	Quad-Link 3G-SDI Output (4 x 1080P 4:2:2)	4096x2160p @ 60/50/30/25/24 fps 3840x2160p @ 60/50/30/25/24 fps
	Embedded Audio Support	Up to 8 channels, 24 bit, 48 kHz
	Default EDID	3840x2160p @ 60 or 50 fps (selectable)
Power Requirements	Power Supply	Built-in power supply



		PowerCon input/loop thru
	Power Consumption	100W max
Physical	Operational Voltage Range	90-250 V 50-60 Hz
	Height	43.43 mm (1.7 in) – 1 RU
	Depth	178 mm (7 in)
Environmental	Weight	482.6 mm (19 in)
	Operating Temperature	3.75 kg (8.25 lbs) 0-40° C
	Relative Humidity	0-90 % non-condensing
	In the box	xVision DisplayPort to Quad SDI Power Cable



Certifications







FC CE & CEUMAN DESIGNED & MA DESIGNED & MANUFACTURED

