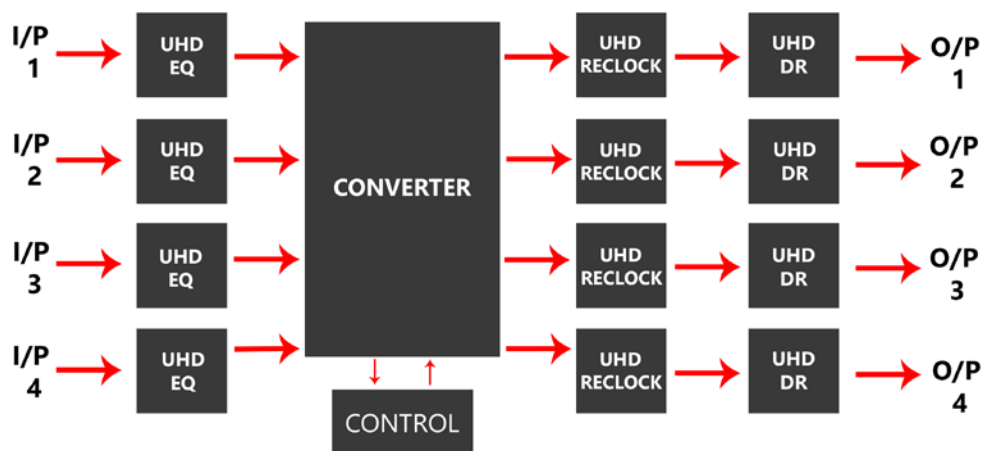




Introducing

The “FN4KUDCC” Up Down Cross Converter is the most flexible product available and is fully compatible with all SDI formats including 12G-SDI, 6G-SDI, 3G-SDI, HD-SDI and SD-SDI.

- OpenGear® compatible
- 6 Modes of Configuration with Optional Custom Modes
- Equalises all SDI signals from SD-SDI to 12G-SDI
- Passive rear module
- Auto and manual fail over to any free input
- HD-BNC (Micro) connectors
- Hot swappable
- Excellent input and output return loss performance up to 12GB/s
- LED indicators for signal presence, data rate and lock
- Remote control and monitoring via Dashboard



Modes of Configuration:

Quad 3G SDI > 12G SDI Single Link

Quad 3G SDI > 6G SDI Dual Link

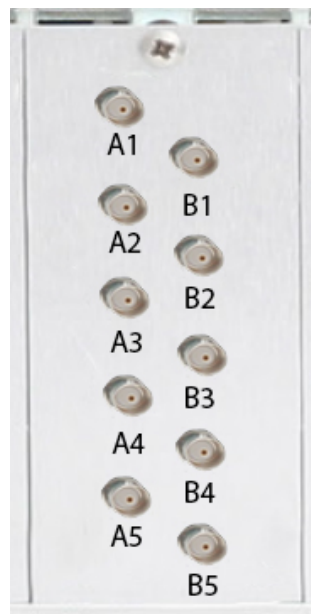
Dual 6G SDI > 12G SDI Single Link

Dual 6G SDI > 3G SDI Quad Link

Single 12G SDI > 6G SDI Dual Link

Single 12G SDI > 3G SDI Quad Link

Other Optional Modes are also possible but require specific specification Description.



Specification

Category	Parameter		Specification
SDI Input	Number of Inputs		4
	Data Rates and SMPTE Standards Accommodated		270Mbps, 525/625 Component, SMPTE 259M 270Mbps, DVB-ASI 1.485Gbps Component, SMPTE 292M 2.97Gbps Component, SMPTE 424M 5.94Gbps Component, SMPTE 2081 11.88Gbps Component, SMPTE 2082
	Impedance		75ohm
	Equalization (Belden 1694A cable)		>380m (1640ft) @ 270Mbps >210m (650ft) @ 1.485Gbps >180m (490ft) @ 2.97Gbps >80m (260ft) @ 5.94Gbps >50m (190ft) @ 11.88Gbps
	Return Loss		>15dB to 1.485Gbps >10dB to 2.97Gbps >7dB to 5.94Gbps >4dB to 11.88Gbps
	Connector Type		HD-BNC
SDI Outputs ^{a b}	Number of Outputs	FN4KUDCC	4
	Impedance		75ohm
	Return Loss		>15dB to 1.485Gbps >10dB to 2.97Gbps >7dB to 5.94Gbps >4dB to 11.88Gbps
	Rise & Fall Times		270Mbps: 0.4-1.5nS, <0.5nS difference 1.485Gbps: <270ps, <100ps difference 2.97Gbps: <135ps, <50ps difference 5.94Gbps: <80ps, <30ps difference 11.88Gbps: <45ps, <18ps difference

Category	Parameter		Specification
SDI Outputs	Jitter		270Mbps: <0.2UI, jitter measured 10Hz-1kHz 1.485Gbps: <1.0UI jitter measured 10Hz-100kHz, <0.2UI above 100kHz 2.97Gbps: <1.0UI jitter measured 10Hz-100kHz, <0.3UI above 100kHz 5.94Gbps: <2.0UI jitter measured 10Hz-100kHz, <0.3UI above 100kHz, band limit @594MHz 11.88Gbps: <2.0UI jitter measured 10Hz-100kHz, <0.3UI above 100kHz, band limit @1188MHz
	Signal Level		800mV ±10%
	DC Offset		0V ±50mV
	Overshoot		<10%
	Connector Type		HD-BNC
Environment	Max. Ambient Temperature		40°C (104°F)
Power	Total Power Consumption	FN4KUDCC	2.5W