

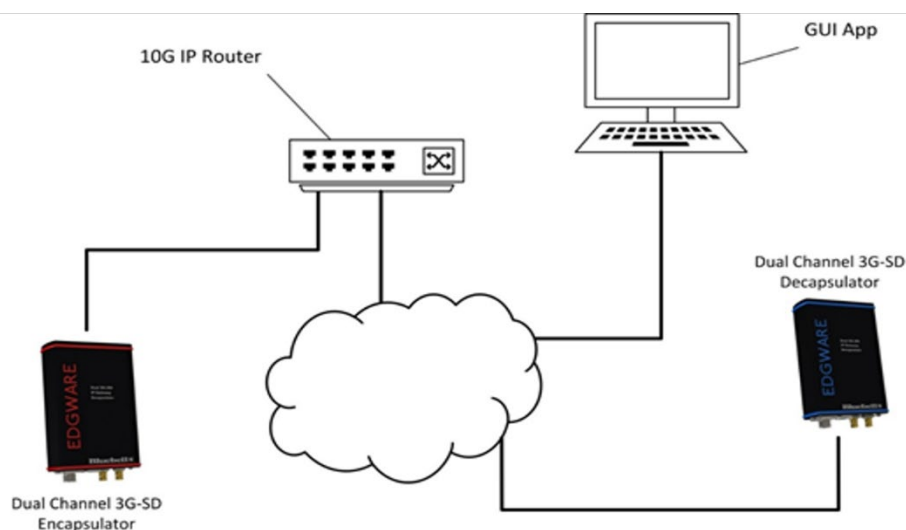
3G-SDI to IP Encapsulator and Decapsulator range



Description:

- The **Edgware Encapsulator Module** is a simple yet powerful edge device that bridges traditional broadcast systems with IP networks.
- It wraps a single HD-SDI or 3G-SDI signal into an IP stream and multicasts it over standard 10G Ethernet networks.
- A user-friendly GUI allows easy setup of two IP addresses for seamless transfer of compressed or uncompressed video between encapsulator and decapsulator.
- Supports SMPTE 2022-6, 2022-7, and ST 2110 formats, with onboard firmware allowing easy switching via network command.
- A straightforward, no-nonsense IP gateway—ideal for broadcasters and film professionals transitioning into IP workflows.

Edgware Schematic Diagram



Specifications

Electrical Input	
Standards	SMPTE 424M, SMPTE 292M, SMPTE 297M
Equalisation	Automatic to 100 m @ 3 Gb/s Automatic to 200 m @ 1.485 Gb/s Automatic to 300 m @ 270 Mb/s
Return Loss	> 15 dB @ 1.485 Gb/
Connectors	75-ohm BNC per IEC 60169-8, Amendment 2
Electrical Output	
Connector	75 Ohm BNC per IEC 60169-8 Amendment 2
Return Loss	> 15 dB @ 1.485 Gb/s
Polarity	Non Inverting
Signal Level	800 mV +/- 0.5v
DC Offset	0 +/- 0.5
Jitter	<0.15 UI line equalised
Format	Driven active loop out
Optical Output	
Connector	1 x Female LC as standard per channel
Wavelength	850 nm multimode
Sensitivity	> -25.0 dBm @ 3Gb/s > -25.5 dBm @ 1.485 Mb/s > -26.0 dBm @ 270 Mb/s
Max I/P power	> -1 dBm
Data Rate	270Mb/s; 1.485Mb/s, 3Gb/s

IP Interface	
Connector	Duplex LC
Interface	Multimode Duplex SFP, 10G Ethernet
Encapsulation	SMPTE2022-6, SMPTE2022-7, ST2110, TR03
Compatibility	10GBase SFP+ 10G, 10GBase-LR, SFF-8431 SFP+
General Enclosure Specifications	
Depth	165 mm
Width	110 mm
Height	45 mm
Weight	100 g
Operating Temp	-30 to +70 °C
Power	3 W
Conformance	
EMI/RFI	Complies with 89/336/EEC, EN55022B,
Electrical	Complies with EN61000-6-1, EN61000-6-2,
Laser Safety	Complies with Class 1 laser product 24 CFR 1040.10 & 1040.11
RoHS	Complies with Directive 2002/95/EC
Warranty	5 Years

Ordering Information

Please contact your nearest dealer for more information

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