

Thor Multiplex Fibre Converter TX and RX



Run up to 4 Full HD-SDI @ 1.5Gbps each and 10/100 Ethernet Full-Duplex over a single strand of fiber cable up to 20/40 or 80km long. Transports embedded audio channels as well as SDI ancillary data.



Physical

Size of unit fully extended	480mm x 255mm x 44mm
Item weight	1.5kg
Size of unit cased	600mm x 565mm x 260mm
Cased weight	RX: 19.6kg TX: 19.7kg

Electrical

Voltage	110/240V Auto-sense Internal Power
Power connection	IEC

Mounting Options

Rack Mounted 1U 19"

Inputs/Outputs

Number of inputs	4x HD-SDI, SD-SDI, or DVB-ASI 1xEthernet, 2x Audio
Input connector	BNC, Ethernet, Phoenix
Supported input resolutions	Up to 3G SDI (1080p@60)
Number of outputs	4x HD-SDI (BNC) 1x RS-485 2x Auxiliary (choice of External Audio /RS422/RS232) 1x 10/100 Ethernet Full duplex (RJ45 connector)
Output connector	BNC, Ethernet, Phoenix
Supported output resolutions	Up to 3G SDI (1080p@60)

Parameters

Audio Formats	Phoenix adaptor required for analog audio
Video Applications	SMPTE 295M, SDI or D1
	SMPTE 310M, MPEG2
	SMPTE 305 540Mbps
	HDTV, Video on Demand Streams
	MPEG Encoding, DVB-ASI
	ASI Streams 0.5 Mbps to 622Mbps

Environmental

Max operating temperature	0 – 50°C
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Accessories

None

Compatibility

Transition Media	DVB-ASI: 75 ohm RG-59
	Optical: 9/125 micron single mode fiber cable
LED Indicators	Power, Optical Signal Detect

Information Links

Manufacture	Thor Broadcast
Datasheet	F-4ASI Datasheet