

Technical Specifications

Video

Number of channels	4
Video format	PAL/SECAM/NTSC
In-/output level	1 Vpp (±3 dB)
DC restore (clamping)	On or off (selectable)
Bandwidth (-3 dB)	7.5 MHz
Sampling resolution	10-bit
Sampling rate	18 Msamples/s
Differential gain	< 1%
Differential phase	< 1°
Group delay	< 50 ns
SNR	> 67 dB (weighted)
Connector type	BNC 75 Ω (gold-plated centerpin)

Powering

Power consumption	< 6 W (1 A inrush)
Rack-mount units	MC 10 and MC 11 power-supply cabinets
Stand-alone units (/SA)	11 to 16 Vdc (PSA 12 DC/25 or PSR 12 DC)

Management

LED status indicators	
DC	Power-on indicator (green)
NV	No video on in- or output (red)
SYNC	Operational link (green), local synchronization error (red)
Network Management	SNM™ compatible
SNM™ variables	PS Voltages, module temperature, module status, optical levels, configuration, etc.

Environmental

Operating temperature	-40 to +74°C
Relative humidity	< 95% (no condensation)
MTBF	> 100,000 h
Safety & EMC	IEC/EN 60950-1, IEC/EN 60825, IEC/EN 61000 EN 50130-4, EN 50081-1, EN 55022, FCC part 15

Mechanical

Dimensions (hwxwd)	128 x 35 x 190 mm
Weight (approximately)	490 g
Housing	Rack-mount or stand-alone

Optical	TETRA 5010 TX - RX	TETRA 5050 TX - RX	TETRA 5050 TX/1550 - RX	TETRA 5050 TX/HP - RX	
Fiber type	1x MM	1x SM	1x SM	1x SM	
System budget	11 dB ¹⁾	22 dB	22 dB	27 dB	
Min. link loss	0 dB	0 dB	0 dB	3 dB	
Output power	>-7 dBm	>-2 dBm	>-2 dBm	>3 dBm	
Output wavelength	1310 nm	1310 nm	1550 nm	1310 nm	
Input sensitivity	<-18 dBm	0 to -24 dBm	0 to -24 dBm	0 to -24 dBm	
Connector type	ST	FC (others optional)	FC (others optional)	FC (others optional)	

¹⁾: Due to fiber bandwidth, the maximum transmission distance may be limited to 4 km.

