



yellobrik®

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Quick Reference

Technical Specifications

SDI Input	4x 12G-SDI video on 75 Ohm BNC connector (four independent channels)			
	SMPTE 2082-1, SMPTE 2081-1, SMPTE 424M, SMPTE 292M, SMPTE 259M			
	Multi-standard operation from 270Mbit/s to 12Gbit/s			
	Multi-rate reclocking: 270Mbit/s to 12Gbit/s			
Electrical Return Loss:	to 1.5GHz >15dB	to 3GHz >10dB	to 6GHz >7dB	to 12GHz >4dB
Automatic cable EQ:	1.5Gbit/s 190m	3Gbit/s 140m	6Gbit/s 90m	12Gbit/s 80m
	Belden 1694A cable		Belden 4794R cable	

Optical Output	4x fiber outputs	
	2x Duplex (singlemode) using LC/PC Connections	
	SMPTE 297M - 2006	
	Wavelength:	1310nm (each channel)
	Optical power:	-5.5dBm to -0.5dBm (each channel)
	4x TX active LED on side of module	
	Max. distance*	max. 10km* (6.2 miles) @ 12Gbit/s

Power	+12V DC @ 2.4W excl. SFPs - (supports 7 - 24V DC input range)	
	Power LED on side of module	

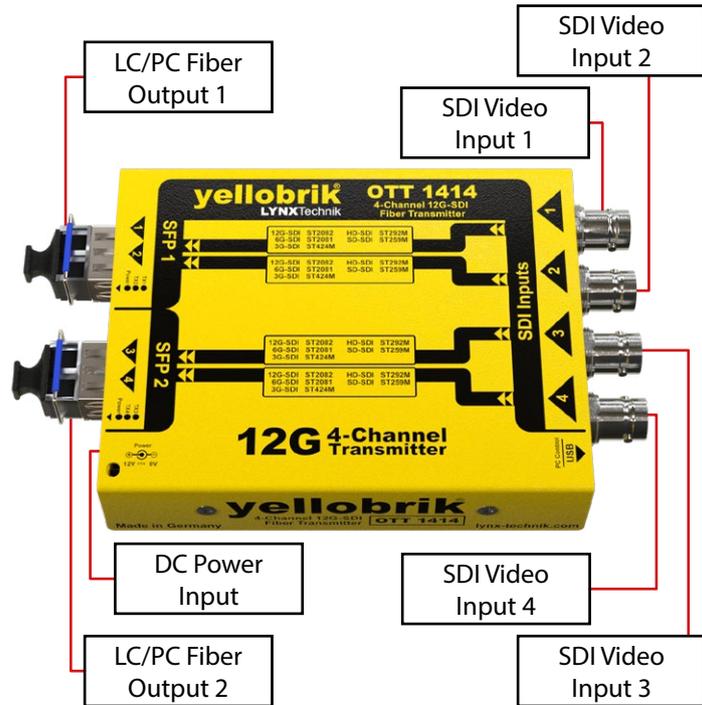
Physical	Size	140mm x 83.8mm x 22mm (incl.connectors) (5.51" x 3.29" x 0.86")
	Weight	168g/6oz excl. SFPs, 268g/9.5oz incl. SFPs

Ambient	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)	
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Model #	OTT 1414	EAN# 4250479329669
	OTT 1414 CW	EAN# 4250481029915

Includes	Module, Power Supply, 2x TT SFPs (only non-CWDM version)	
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OTT 1414 4-Channel 12G-SDI Fiber Transmitter



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Module laser is active as soon as power is connected, regardless of LED indication

Connections

SDI video inputs connect to the 75 Ω BNC connectors. Fiber connections use LC connectors, as shown on the module.

Use the included dust plug to protect the optical connection from dust.

Operation

The OTT 1414 supports all SDI video formats from 270Mbit/s to 12Gbit/s. It does not support analog video formats. The TX LEDs indicate data transmission activity on the side of the module. The module has four independent 12G-SDI channels.

Operation is fully automatic. The video input rates are automatically detected, relocked and provided on the Fiber outputs. No user settings are provided for this module. The module supports hot swapping and hot plugging.

Module LEDs

Power LED

	Green	Device Running
	Yellow (blinking)	"Locate Module" function active
	Red (blinking)	Hardware Issues
	Off	Device Not Powered

TX LED

	Green	Output Signal Active
	Off	No Signal Sent (Laser Active)

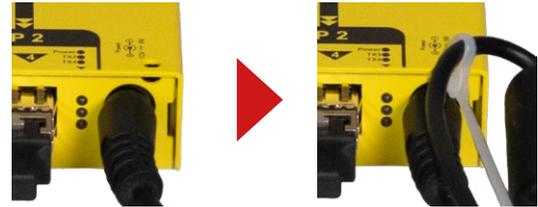
Power

The module requires a 12V DC power input. The LED indicates when power is connected. If using an external power supply, a clean 7–24V DC source is required.

The OTT 1414 has a maximum power consumption of 2.4W (excluding SFPs).

Power Lead Strain Relief

Yellobrik modules have a small hole above the power connection to prevent the power lead from being accidentally pulled out. Secure the lead using the supplied tie-wrap as shown below.



Optional Mounting Solutions

The optional RFR 1001 mounting bracket allows the module to be installed on any surface and 19" rack rails.



The RFR 1200 rack mount holds up to 14 yellobrik modules and provides power redundancy for all installed devices.

