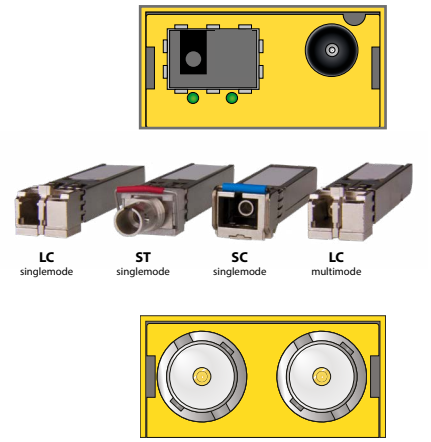
yellobrik®

OTX 1712-2

LYNX | Centraal™ yelloGUI

Analog Sync / Video Fiber Optic Transmitter

OTX 1712-2 LC Version Shown



Features

- Supports analog black burst, bi-level, tri-level sync signals and NTSC and PAL composite video
- Passive loop output
- Broadcast quality performance
- Error free optical transmission
- Versions for LC, ST or SC fiber connections
- Multimode version available
- Up to 10km (6.2 miles) singlemode
- Up to 300m (984 feet) multimode
- Supports hot swapping and hot plugging
- yelloGUI compatible to access additional internal settings

Description

The OTX 1712-2 is a compact analog sync or NTSC/PAL composite video to fiber optic transmitter. This device is specifically designed to combat the restrictions involved with the distribution of broadcast quality analog reference and composite video signals over long distances.

When paired with the fiber optic receiver ORX 1702-1 you have a very cost-effective optical transmission system for analog sync reference signals or NTSC/PAL composite video. This device is particularly useful for reference sync distribution between remote installations to maintain correct synchronization.

Unlike other very basic analog to fiber conversion solutions, the OTX 1712-2 incorporates technology to maintain a very high degree of sync and burst phase stability during the conversion and fiber transmission.

The module converts the NTSC/PAL video signal to an SDI signal (including reference and other relevant information) before it is converted to fiber. Therefore, when the OTX 1712-2 is used for NTSC or PAL video sources it is possible to convert the fiber signal directly to SDI if required using an SDI receiver (e.g. ORX 1802-2).

The OTX 1712-2 provides a loop output and support for LC, ST or SC singlemode fiber connections. An LC version suitable for multimode fiber is also available.

Technical Specifications

Analog Input	Sync = analog black burst / SDTV bi-level / HDTV tri-level Video = NTSC / PAL composite video 1 x passive loop output (terminate if not used) 75 Ohm BNC connectors
	NTSC SMPTE 170M, PAL CCIR624 Analog tri-level sync SMPTE ST 274, ST 296 720p 50/59.94/60 1080i 50/59.94/60 1080p 23.97/24/25/29/30 1080psF 23.97/24
	Multi-standard operation, auto-detect
	Return loss: 31dB to 10MHz
Fiber Out Singlemode	1 x fiber optic singlemode output LC, ST or SC connection
	SMPTE 297M - 2006
	Wavelength: 1310nm, Optical power -5dBm
	TX active LED on side of module
	Max. distance: 10km (6.2 miles - approx)
Fiber Out Multimode	1 x fiber optic multimode output LC connection
	SMPTE 297M - 2006
	Wavelength: 850nm, Optical power -5dBm
	TX active LED on side of module
	Max. distance: 300m (984feet - approx)
Power	+12VDC @ 3.4W nominal - (supports 8 - 24V DC input range)
Physical	Size: 140mm x 42mm x 22mm (5.51" x 1.65" x 0.86") incl. connectors Weight: 125g (4.4oz)
Ambient	5 - 40ºC (41 - 104ºF) 90% Humidity (non condensing)
Model #	OTX 1712-2 LC - (EAN# 4250479323209) OTX 1712-2 ST - (EAN# 4250479324152) OTX 1712-2 SC - (EAN# 4250479324169) OTX 1712-2 MM - (EAN# 4250479324176)
Includes	Module, power supply

yellobrik®

OTX 1712-2

Optional Accessories

Rack Frames

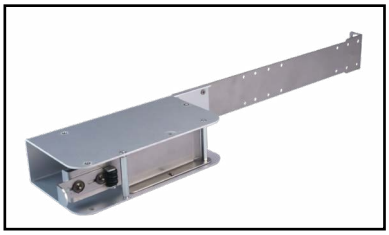
This yellobrik can be placed in a rack frame along others to build increasingly complex systems, all monitored and controlled with a rack controller (RCT 1012) and server module (SRV 1000) via a PC or MAC using LynxCentraal.

The RFR 1200 offers additional power redundancy with GPI alert. It automatically closes a connection between the A and B terminals on power failure.

The RPS A100 is a 100W power supply, which can be mounted at the rear end of the RFR 1200 with an RXT 1001 power supply holder for rack frames.

RFR 1200: yellobrik Rack Frame

RPS A100: 100W Power supply



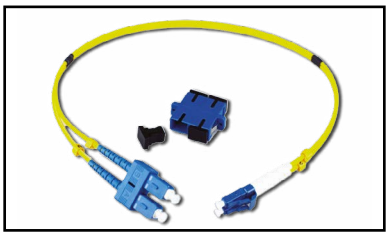
RXT 1001: Power Supply Holder

Fiber Adapter Cables

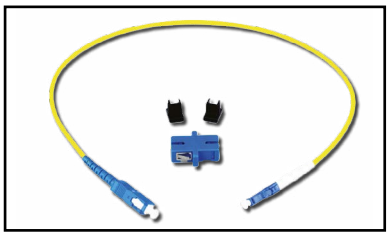
While some of our products offer LC, ST and SC fiber connectors, most SFPs in our product range offer LC fiber connectors.

To still allow the necessary flexibility in a professional setting we offer patch cables to convert LC to ST or SC fiber connections. These patch cables' insertion less and return loss are manually checked for each individual cable to allow for maximum precision when calculating the optical budget

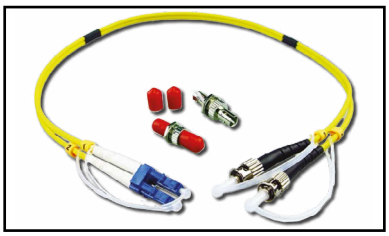
Besides the selection here we offer LC/FC and LC/LC patch cables.



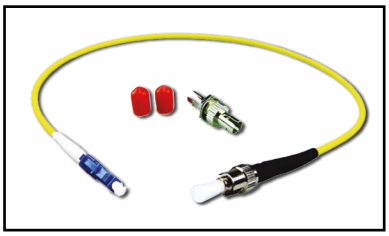
LC/SC Dup: LC/SC Duplex adapter cable



LC/SC Sim: LC/SC Simplex adapter cable



LC/ST Dup: LC/ST Duplex adapter cable



LC/ST Sim: LC/ST Simplex adapter cable

Power Adapter Options

The power requirements of this yellobrik allow for the usage of P-Tap or XLR connection based power sources.

Note: This does not replace the included power supply.

P-TAP 1000
Use with a standard battery P-TAP power source.

XLR 1000
Use with a standard 4 pin XLR camera battery power source.