yellobrik®

OTX 1742-2

yelloGUI compatible

Analog Sync / Video Fiber Optic Transmitter (CWDM)

- Supports analog black burst, bi-Level, tri-Level sync signals and NTSC and PAL composite video
- Passive loop analog output
- Broadcast quality performance
- LC/PC fiber connection
- 18 wavelength selections (ITU-T G.694.2)
- Error free optical transmission
- Up to 40km (24.8 miles) singlemode
- Supports hot swapping and hot plugging
- yelloGUI compatible to access additional internal settings

The OTX 1742-2 is a compact analog sync or NTSC/PAL composite video to fiber optic transmitter (CWDM compatible). 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 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 1742-2 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 1742-2 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).

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 1080psF 23.97/24
	Multi-standard operation, auto-detect
	Return loss: 31dB to 10MHz
Fiber Out Singlemode	1 x fiber optic singlemode output LC connection
	SMPTE 297M - 2006
	18 Wavelength selections per ITU-T G.694.2 (see table)
	TX active LED on side of module
	Max. distance approx. 40km (24.8 miles)
Power	+12VDC @ 3.5W nominal (supports 8 - 24VDC input range)
Physical	Size: 140mm x 42mm x 22mm (5.51" x 1.65" x 0.86") including connectors Weight: 125g (4.4oz)
Ambient	5 - 40°C (41 - 104°F) 90% Humidity (non condensing)
Model #	OTX 1742-2 - (EAN# 4250479320420)
Includes	Module, 12V DC power supply

Ordering Info:

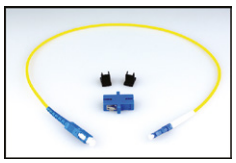
Note: The **OTX 1742-2** price **DOES NOT INCLUDE** the fiber transmitter SFP sub module. Please specify the required wavelength from the option list below**.**

CWDM Wavelength Options. ITU-T G.694.2 (select one)

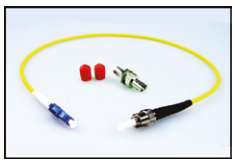
Wave-length	Power	Option #	Wave-length	Power	Option #
1270nm	-1dBm	**OH-TX-4-1270-LC**	1450nm	-1dBm	**OH-TX-4-1450-LC**
1290nm	-1dBm	**OH-TX-4-1290-LC**	1470nm	-1dBm	**OH-TX-4-1470-LC**
1310nm	-1dBm	**OH-TX-4-1310-LC**	1490nm	-1dBm	**OH-TX-4-1490-LC**
1330nm	-1dBm	**OH-TX-4-1330-LC**	1510nm	-1dBm	**OH-TX-4-1510-LC**
1350nm	-1dBm	**OH-TX-4-1350-LC**	1530nm	-1dBm	**OH-TX-4-1530-LC**
1370nm	-1dBm	**OH-TX-4-1370-LC**	1550nm	-1dBm	**OH-TX-4-1550-LC**
1390nm	-1dBm	**OH-TX-4-1390-LC**	1570nm	-1dBm	**OH-TX-4-1570-LC**
1410nm	-1dBm	**OH-TX-4-1410-LC**	1590nm	-1dBm	**OH-TX-4-1590-LC**
1430nm	-1dBm	**OH-TX-4-1430-LC**	1610nm	-1dBm	**OH-TX-4-1610-LC**

Fiber Adapter Options

These adapter kits allow the use of ST or SC fiber connections on the module. SMF 0.5m (19.6") tail introduces less than 0.25dB attenuation.



Model# **LC/SC SIM**
LC/PC to SC/PC Adapter



Model# **LC/ST SIM**
LC/PC to ST/SC Adapter