

#### SIQURA

# **UP-THE-FIBER 4210 MM**

### Miniature digital video transmitter, data, CC

#### DESCRIPTION

Siqura's Up-the-Fiber™ (UTF) digital line of equipment provides high-quality, 9-bit digitized video transmission with bidirectional data at the highest quality/price ratio. The module also offers an isolated alarm contact closure channel to transport, e.g, anti-tamper or door contact, from the camera to the central site. UTF 4210 MM systems work with one multi-mode optical fiber.

#### FEATURES

9-bit video with 63 dBw SNR

PTZ data channel

EasyC-s for unique time-saving PTZ connection and configuration

Compact transmitter (45x45x25 mm)

Dual receivers for high-density receiver nodes

Alarm contact (CC)





## Description

Up-the-Fiber<sup>™</sup> 4210 series receivers can handle one or two video, data, and CC channels. The UTF module supports EasyC–s. With EasyC–s, a group of receivers uses only one external data connection, simplifying system implementation and maintenance. The data port only needs to be configured on the receiver; the transmitter automatically follows.

The bidirectional RS-485/422 data interface supports PTZ data from all types of camera interfaces including RS-485, TTY, Manchester, Bi-phase, and SensorNet. UTF receivers are also available as stand-alone units (/SA).

Their wide operating temperature range makes the compact, stand-alone transmitters suitable for use in outdoor camera housings and camera connection boxes. All miniature standalone models can be powered by the camera power supply (12 Vdc or 24 Vac). A PSR-12DC is recommended in case of extreme environmental conditions.



1
NTSC, PAL, SECAM
1 Vpp (+/-3 dB)
6 MHz
9-bit effective
less than 20 ns
Max 1.0°
Max 2.0%
63 dBw
75 BNC (gold-plated center pin)
1 (full duplex)
RS-422/485 (2- or 4-wire)
Current loop, TTL, TTY, Manchester, Bi-phase
Asynchronous, serial
DC to 230 kb/s
6-pin terminal
Backplane data bus wiring and single-point configuring (RX)
1
+3.3 V pull-up, 2.2 k
1.4 V
Fail-safe, isolated; 100 mA / 50 V
on (green), local synchronization error (red),
remote synchronization error (yellow)
no video on output (red)
operational link (green), local synchronization error (red),
remote synchronization error (yellow)
-40 °C to +74 °C (-40 °F to +165 °F)
-40°C to +74°C (-40°F to +185°F) -55 °C to +85 °C (-67 °F to +185°F)
95% with no condensation
250,000 hours
IEC/EN 60950-1, IEC/EN 60825, IEC/EN 61000, EN 50130-4,

Powering



# Specs

Powering	
Power consumption	3 W
Rack-mount units	MC 10 and MC 11 power supply cabinets
Stand-alone units (/SA)	12 Vdc
Miniature stand-alone transmitters	11 to 40 Vdc or 20 to 30 Vac
Mechanical	
UTF 4210 TX-MSA	
- Dimensions (h x w x d)	45 x 45 x 25 mm (1.8 x 1.8 x 1.0 in)
- Weight	250 g (8.8 oz)
UTF 4210 RX-2	
- Dimensions (h x w x d)	128 x 35 x 190 mm (5 x 1.4 x 7.5 in)
- Weight	450 g (15.9 oz)
<b>Optical (TX / RX)</b> Fiber type	1x MM(62.5 μm)
Output wavelength	1310 nm / 1550 nm
System link budget	19 dB / 19 dB
Link length	6 km (limited by fiber bandwidth)
Minimum link loss	0 dB
Output power	-15 dBm / -15 dBm
Input sensitivity	-34 dBm / -34 dBm
Connector type	SC
Ordering information	
UTF 4210 TX-MSA	Miniature digital video transmitter with CC and 2-way data
UTF 4210 RX-2	Dual digital video receiver with CC and 2-way data
UTF 4210 RX-2 /SA	Dual digital video receiver with CC and 2-way data. Stand-alone version.



