

Features

- Miniature optical AM video transmitter and receiver
- Adjustment-free installation and operation (automatic gain control)
- Cost-effective camera connection kit for all-in-one, plug-and-play installation
- Direct camera mounting
- Wide temperature range, suitable for indoor and outdoor applications
- Video SNR >60 dBw for short link
- Compatible with VBS 2000 series



Pico™ series

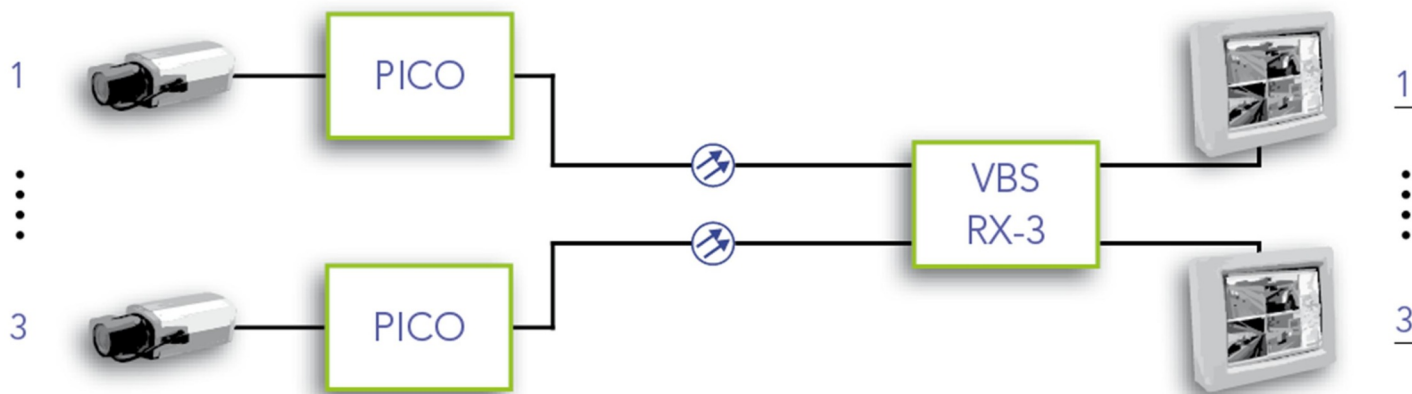
Description

Siqura's Pico™ Camera Kit includes everything you need to transmit a camera signal over multimode fiber. The miniature Pico transmitter may be connected directly to the BNC output of the camera. Using multimode optical fiber, the camera signal is transmitted to the Pico RX receivers, which convert it back into a standard video signal. The Pico RX is equipped with automatic gain control (AGC) with a wide dynamic range, ensuring rapid deployment and adjustment-free installation of your fiber optic camera link.

The electrical Pico video adapter cord offers additional flexibility in mounting. For even more flexibility, the Pico transmitter and Pico RX receiver are interoperable with Siqura's VBS 2000 series.

Technical Specifications

Pico™ series



Video

Video format	NTSC, PAL, SECAM
Input/output level	1 Vpp (±3 dB)
Bandwidth (-3 dB)	10 MHz
Differential phase	<5.0°
Differential gain	<5.0%
Signal-to-noise ratio	
Short link	>60 dBw
Over optical budget	>45 dBw
Connector type	75 Ω BNC (gold-plated center pin)

Management

LED status indicators (RX only)	
DC	Power-on indicator (green)
Video present	Video present (green)
Network management	No

Environmental

Operating temperature	-40 °C to +74 °C (-40 °F to +165 °F)
Storage temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Relative humidity	<95% with no condensation
MTBF (mean time between failures)	>100,000 hours
Safety and EMC	IEC/EN 60950-1, IEC/EN 60825, IEC/EN 61000, EN 50130-4, EN 50081-1, EN 55022, FCC part 15, UL

Powering

Power consumption	
Pico	<1.5 W
Pico RX	1.8 W
Power supply voltages	
Pico	11 to 25 Vdc
Pico RX	9 to 20 Vdc (PSA-UN12DC or PSR-12DC)

Technical Specifications

Pico™ series

Mechanical

Dimensions (h x w x d)

Pico	23 x 26 x 60 mm (0.9 x 1.0 x 2.3 in), including connector
Pico RX	110 x 78 x 28 mm (4.3 x 3.1 x 1.1 in), including connector

Weight

Pico	50 g (1.8 oz)
VBS 20xx RX	200 g (7.1 oz)

Optical

	Pico™ - Pico™ RX	Pico™ - VBS 2010 RX
Fiber type	MM (62.5 µm)	MM (62.5 µm)
Output wavelength	850 nm	850 nm
System link budget	13 dB*	13 dB
Link length	4 km	4 km
Minimum link loss	0 dB	0dB
Output power	>-21 dBm*	>-21 dBm*
Input sensitivity	<-34 dBm	<-34 dBm
Connector type	ST	ST

*For 50/125 µm fiber, subtract 4 dB.

Ordering information

Models	Description
Pico	Miniature video transmitter
Pico RX	Video receiver
Pico Camera Kit	1x Pico, 1x stand-alone receiver (Pico RX), 1x power adapter
Pico AC-25	Pico adapter cord, BNC(M)-BNC(F), 25 cm



The quality management system utilized in the development, production, sales, and support of this product is ISO 9001:2008 certified by LRQA.

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