



Pilotix transceiver module designed for fiber optic video transmission applications with 40km range capability. The unit utilizes single-mode fiber with FC optical connectors operating at 1310nm and 1550nm wavelengths. Supports analog video output in NTSC, PAL, and SECAM formats with bidirectional data transmission via TTL and SBUS protocols. Features an XT60 power supply interface compatible with 3S-6S batteries operating within 5.5-26V range. The transceiver includes 4 LED indicators and SH1.0 serial interface for data connectivity. Compact unit measuring 96 × 37 × 23mm and weighing 55g, designed for operation in temperatures from -20°C to 40°C with humidity tolerance of 20-95% RH non-condensing.

Product details	
Model	Transceiver for Optic Fiber Module SE (40km)
SKU	6579
Interface	
Video format	NTSC, PAL, SECAM
Data format	TTL, SBUS
Communication mode	Bidirectional
External interfaces	
Power supply interfaces	XT60
Video output	Analog (AV), 3.5 mm jack
SD card slot	no
USB port	no
Power switch	no
Record button	no
LED indicator	4
Serial interface	SH1.0
Fiber optic	
Fibre type	Single-mode fiber
Optical connector type	FC

FC interface	Fibre interface
Fibre wavelength	1310/1550 nm
Transmission distance	40km
Mechanical specifications	
Dimensions	96 x 37 x 23 mm
Weight	55 g
Power	
Power supply	5.5 - 26 V
Power supply interfaces	XT60
Supported battery type	3S-6S
Batteries are not included in the package.	Batteries are not included in the package.
Operating conditions	
Humidity range	20-95% RH (non-condensing)
Operating temperature	-20 - 40 °C
Storage temperature	-30 - 50 °C
Common	
Warranty	2 years

Wiring diagram

