



Pilotix FPV optic fiber module featuring a 10.1km single-mode fiber roll with 0.25mm diameter for extended range video transmission. Utilizes FC optical connectors with fiber wavelengths of 1310nm and 1550nm, supporting transmission distances up to 20km. Provides bidirectional communication with TTL and SBUS data formats and supports NTSC, PAL, and SECAM video formats. Equipped with SH1.0 sky unit interface and 4 LED indicators. The receiver unit measures 63 × 37 × 23mm with fiber roll dimensions of 108 × 271.5mm. Operates on 5.5-26V power supply within temperatures from -20°C to 40°C at 20-95% relative humidity. Total weight is 980g.

Product details	
Model	Module with 10km Optic Fiber Roll SE
SKU	6506
Interface	
Video format	NTSC, PAL, SECAM
Data format	TTL, SBUS
Communication mode	Bidirectional
External interfaces	
Receiver interface	SH1.0
LED indicator	4
Fiber optic	
Fibre type	Single-mode fiber
Optical connector type	FC
Fibre wavelength	1310/1550 nm
Fiber lenght	10.1 km
Fiber diameter	0.25 mm
Transmission distance	20km
Mechanical specifications	
Receiver dimensions	63 x 37 x 23 mm

Roll dimensions	Ø 108 x 271.5 mm
Weight	980 g
Power	
Power supply	5.5 - 26 V
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

