

FPT-PTZ is a portable multi-purpose optical transmission device with small size and reliable performance. It provides RS-422, Gigabit Ethernet, synchronization and GPIO transmission, which is very suitable for the transmission of various control signals in the live-production environments. FPT-PTZ is equipped with a variety of mounting accessories, which can be installed in various shooting environments such as tripods, walls and ceilings.

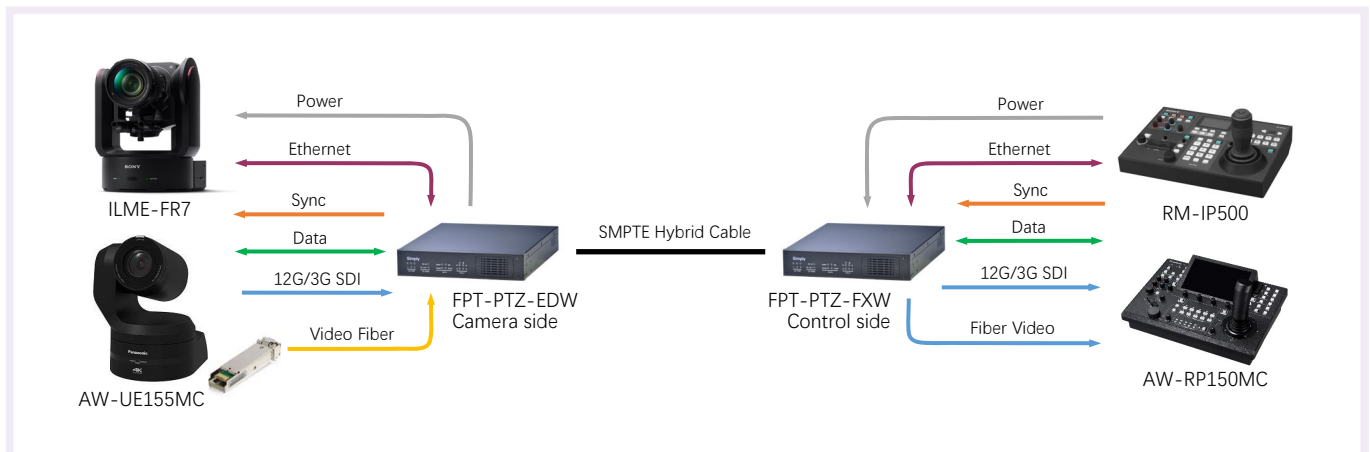
FPT-PTZ can be connected using either single-mode optical fiber or SMPTE hybrid cable. When using SMPTE hybrid cable, it can supply power to remote devices. FPT-PTZ can combine optical channel from other Simply optical transmission device in same SMPTE cable, also supports other third-party optical transmission equipment.



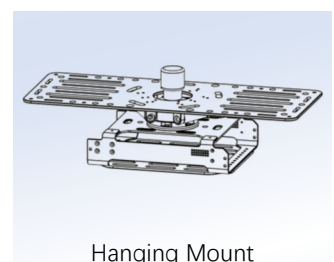
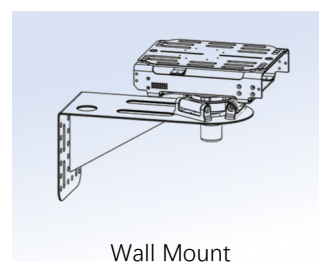
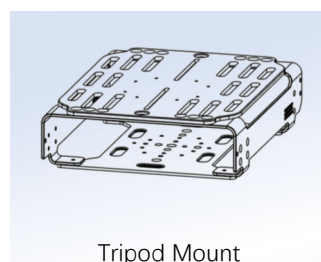
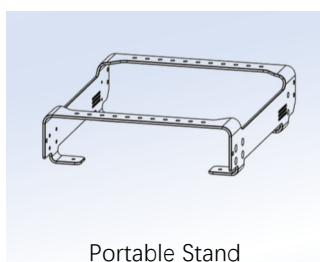
Features

- Compact size in half rack width, with dual power supply and 60W DC power output
- Transmission distance can be up to 10 km when using standard single-mode fiber
- Cable length up to 1km when powered by standard SMPTE hybrid cable
- Built-in bidirectional CWDM, support third-party optical transmission equipment
- Support RS-422, Gigabit Ethernet can transmit IP audio (AES67, Dante, etc.)

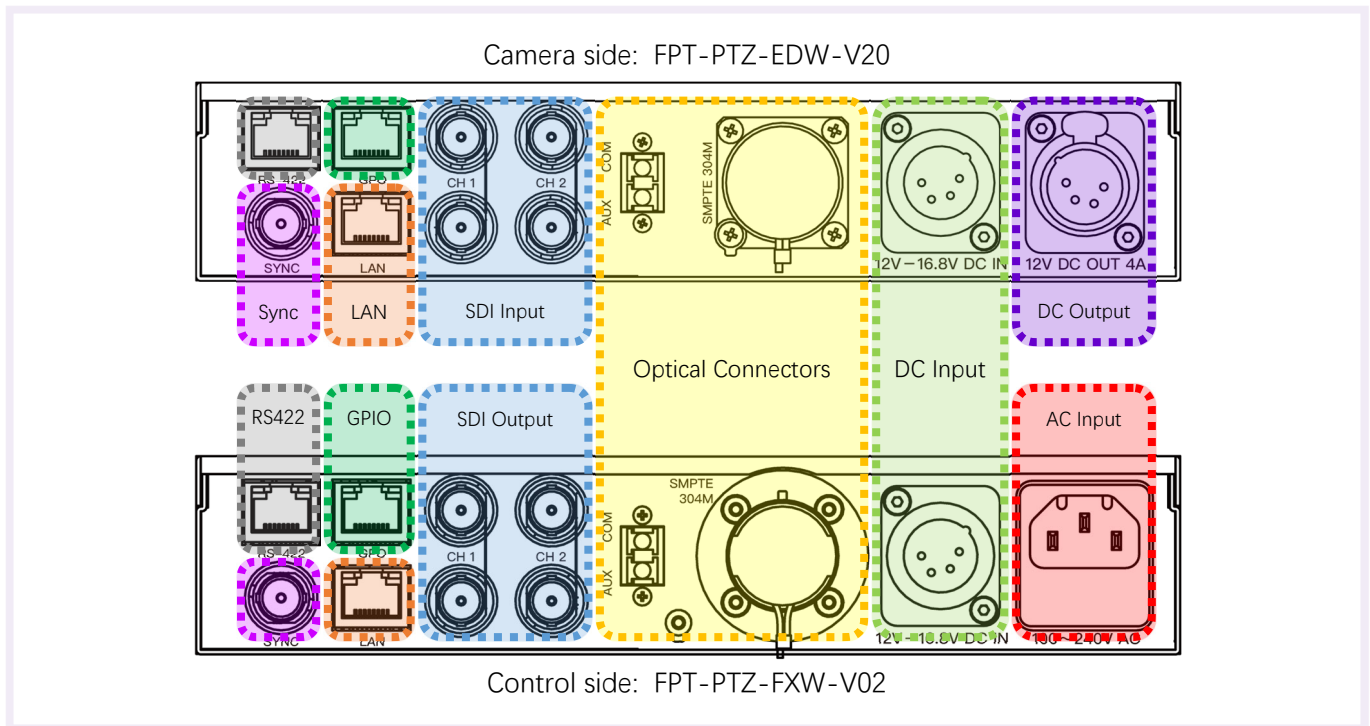
System Configuration



Accessories



Rear Panel



Technical Specifications

General	
Dimension	271mm×218mm×44mm
Weight	3.8kg / 1.6kg (Control side / Camera side)
Power Consumption	AC 110-240V, DC 9-16.8V, 30W
DC Output	DC 12V, 4A (via SMPTE hybrid cable)
Operating Temperature	0°C to +40°C
Video	
Video Format	12G-SDI 3G-SDI
Signal Amplitude	821mV 820mV
Rising Time	38ps 56ps
Falling Time	37ps 52ps
Jitter (Timing)	0.58UI 0.12UI
Jitter (Align)	0.10UI 0.05UI

Connectors	
Serial	RJ45 (×1), RS-422 (with Tally)
LAN	RJ45 (×1), 1000BASE-TX
Sync	BNC (×1), BB / Tri-level
GPIO	RJ45 (×1), Three channels of Tally
Optical	
Connectors	SMPTE 304M (×1), LC (×1)
Transmit Distance	10km (Typical)
Spectrum	1310nm - 1610nm
Transmit Power	3dBm
Receive Sensitivity	-15dBm

Design and specifications are subject to change without notice.

Ordering Information

- FPT-PTZ-FXW-V02** Control side unit (with 2-channel SDI output dual-out option)
- FPT-PTZ-EDW-V20** Camera side unit (with 2-channel SDI input with loop-out option)
- FPT-PTZ-FXW-V01** Control side unit (with 1-channel SDI output dual-out option)
- FPT-PTZ-EDW-V10** Camera side unit (with 1-channel SDI input with loop-out option)
- FPT-PTZ-FXW-V00** Control side unit (without SDI output option)
- FPT-PTZ-EDW-V00** Camera side unit (without SDI input option)

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