FPT-PTZ
PTZ Camera Optical Transmission Unit

INCAM

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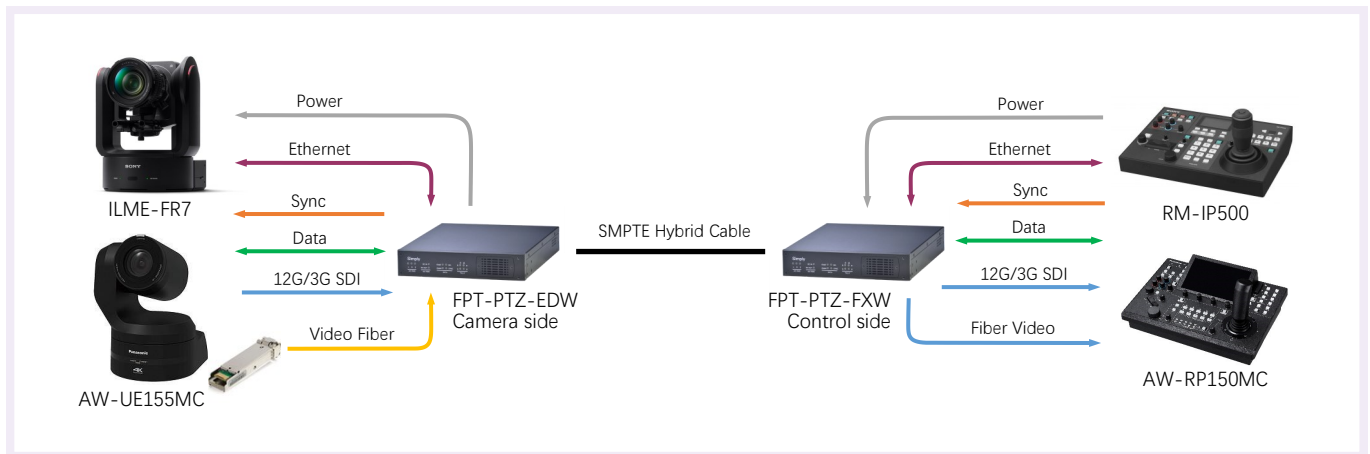
FPT-PTZ can be connected using either single-mode optical fiber or SMPTE hybrid cable. When using SMPTE hybrid cable, it can supply power to remote devices. FPT-PTZ can combine optical channel from other Incam optical transmission device in same SMPTE cable, also supports other third-party optical transmission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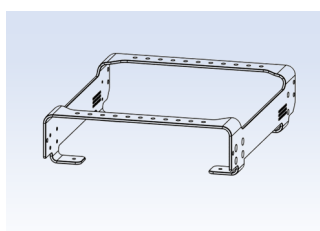
Features

◎ 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

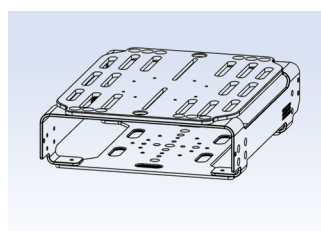◎ Support RS-422, Gigabit Ethernet can transmit IP audio (AES67, Dante, etc.)
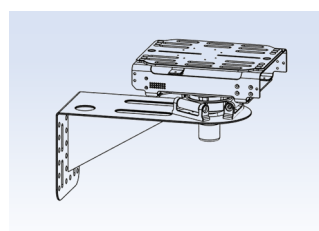
System Configuration

ILME-FR7

Power
Ethernet
Sync
Data
12G/3G SDI
Video Fiber

AW-UE155MC

FPT-PTZ-EDW
Camera side

SMPTE Hybrid Cable

FPT-PTZ-FXW
Control side

Power
Ethernet
Sync
Data
12G/3G SDI
Fiber Video

RM-IP500

AW-RP150MC

Accessories

Portable Stand

Tripod Mount

Wall Mount
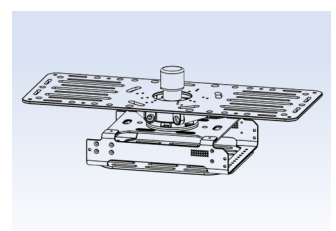
Hanging Mount

Rear Panel

Camera side: FPT-PTZ-EDW-V20

Control side: FPT-PTZ-FXW-V02
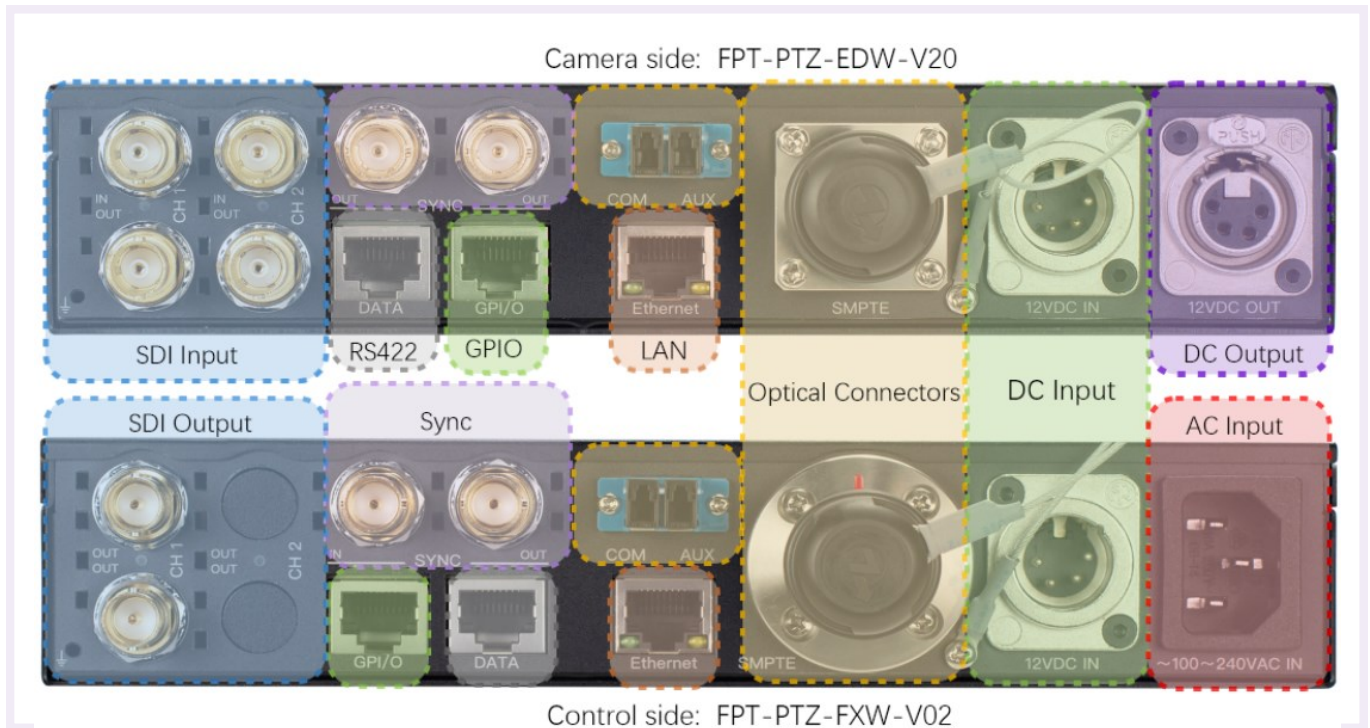
Technical Specifications

General	
Dimension	271mm×218mm×44mm
Weight	3.8kg / 1.6kg (Control side / Camera side)
Power Cosumption	AC 110-240V, DC 9-16.8V, 30W
DC Output	DC 12V, 4A (via SMPTE hybrid cable)
Operating Temperature	0℃ to +40℃

Video		
Video Format	12G-SDI	3G-SDI
Signal Amplitude	800mV	800mV
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)