

FPT-S2E1 is a portable multi-purpose optical transmission device with compact size and reliable performance. It provides two RS422/RS232 serial communication channels, one gigabit ethernet, one synchronization and four GPIOs. It is perfectly suitable for the transmission of various kinds of control signals in live production, and can be adapted to the whole series of INCAM micro cameras and remote control heads.

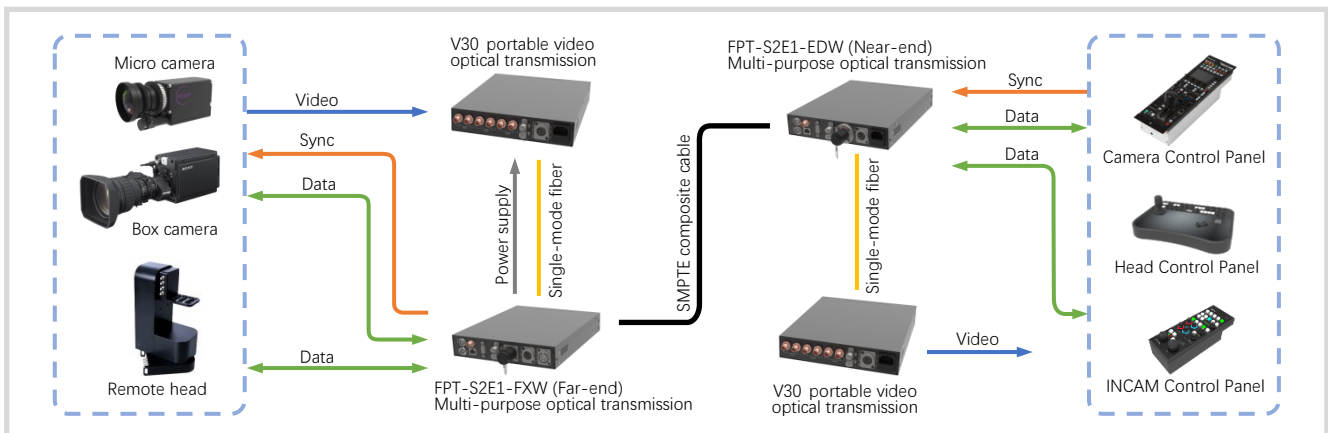
FPT-S2E1 can be connected by single-mode fiber or SMPTE composite cable, power can be supplied to far-end device when using SMPTE cables. FPT-S2E1 can combine the optical channel of V30 portable video optical transmission unit in one SMPTE cable to transmit all signals, and also supports to combine other third-party optical transmission equipment.



Performance

- 1 RU half-width compact size with AC/DC redundant power supply, 12V/60W power output at far-end unit.
- Compatible with common single-mode fiber, transmission distance up to 10 km.
- Compatible with SMPTE composite cable which can supply power to far-end unit up to 1 km away.
- Duplex CWDM technology to support third-party optical transmission equipment from AUX port.
- Two optional RS422/RS232 serial channel. Gigabit ethernet supports IP audio (AES67, Dante, etc.).

System Configuration



Technical Specifications

General	
Dimension / Weight	240mm×45mm×273mm, Approx. 1.5 kg
Power consumption	AC 100V-240V, DC 9V-16.8V, 30W
Power output	DC 12V, 5A (SMPTE composite cable)
Operating temperature	0°C to +40°C
Connectors	
Serial communication	8-pin (x2), RS422/RS232 optional
Ethernet	RJ45 (x1), 1000BASE-TX
Synchronization	BNC (x1), Black burst / Tri-level
GPIO	9-pin (x1), Four channels of Tally

Optical	
Connectors	SMPTE 304M (x1), ST (x2)
Spectrum	1310 nm ~ 1610 nm
Transmit power	3 dBm
Receive sensitivity	-15 dBm
Transmission Distance	0 ~ 10 km

Design and specifications are subject to change without notice.