



4K

FPT-S2DC is a portable multi-purpose optical transmission device with compact size and reliable performance. With CWDM and TDM technology, it can support two independent 12G-SDI channels, one BB Genlock, two serial communication channels, one gigabit Ethernet and two GPIOs. Equipped OLED screen can display the working status of each channel in real time.

FPT-S2DC 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. Single-mode fiber or SMPTE cable can be utilized for connection. With an optional SMPTE connector, far-end devices can receive power through SMPTE cables.

Features

- ◎ 1 RU half-width compact size with AC/DC redundant power supply
- ◎ Compatible with common single-mode fiber, transmission distance up to 10 km
- ◎ Independent video transmission channels with re-clocking and cable equalization, all input/output processing passed Pathological test
- ◎ Data transmission supports serial communication, GbE and GPIOs. Serial communication channel supports RS-422 and SONY camera interface
- ◎ Connected with SMPTE cable to provide 60W power supply to far-end devices up to 1 km away

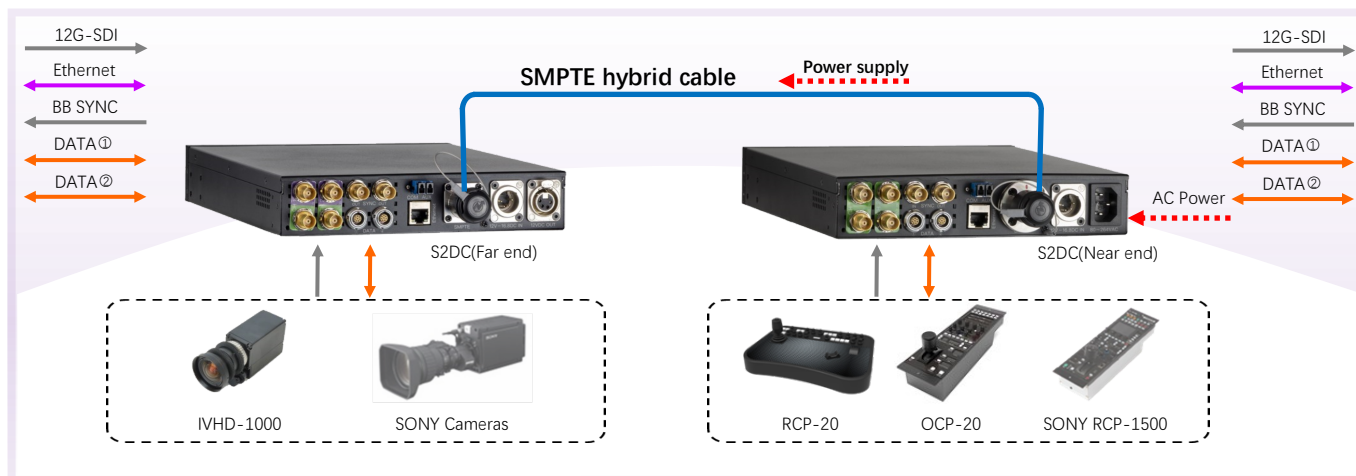
Model Instructions

FPT-S2DC-FXW-V0 1

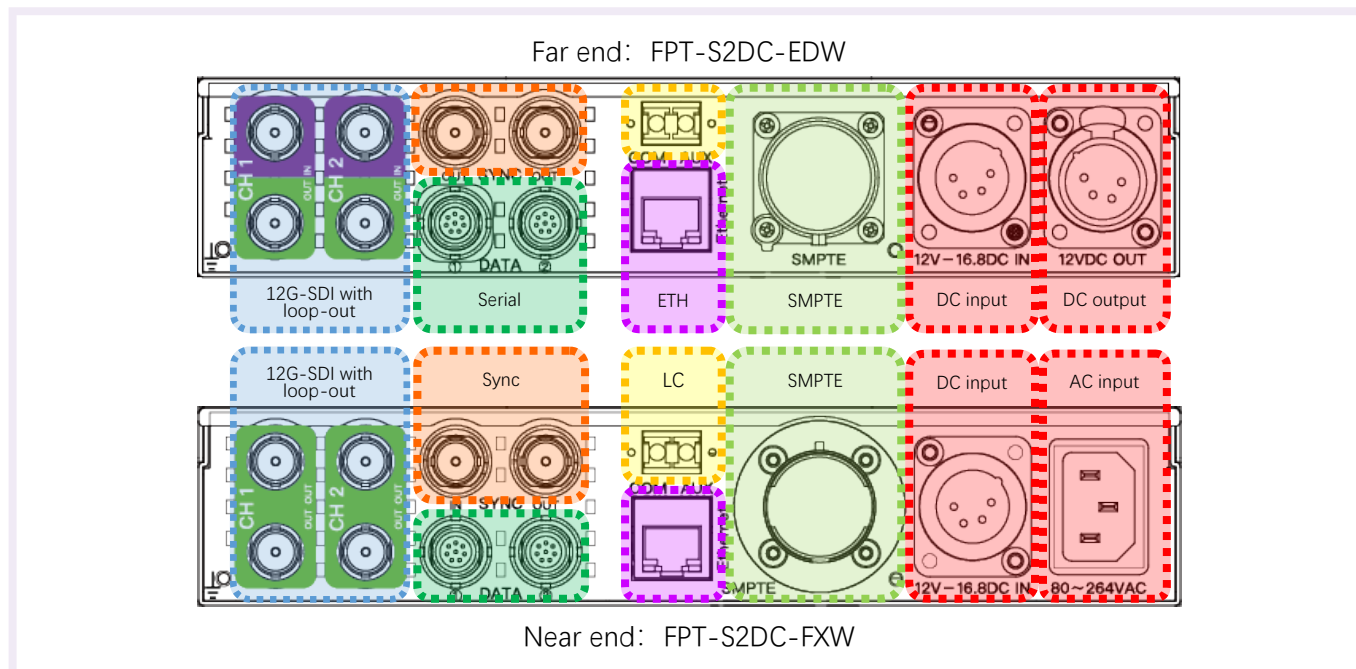
① ② ③ ④ ⑤

- ① Model type: FTP series
 - ② Data format: 2 channels of serial data with power output
 - ③ Optional optical connector:
FXW: SMPTE connector at near end EDW: SMPTE connector at far end
Near: LC connector at near end Far: LC connector at far end
 - ④ Number of input channel: 0 to 2
 - ⑤ Number of output channel: 2 to 0
- The total number of input and output is not more than 2.

System Configuration



Rear Panel



Related Products



Wireless Control Unit
LCW-20



3G-SDI Micro Camera
IVHD-1000



Portable Mount Kit
Portable MK2U



Lemo 1B 8pin cable
1B8M-1B8M-20M

Technical Specifications

| General | |
|-------------------------|----------------------------------------------------------------------------|
| Dimension | 218mm×45mm×273mm |
| Weight Approx | FXW: 2.60kg (with SMPTE connector) EDW: 2.25KG (with SMPTE connector) |
| Power consumption | AC 80-264V, DC 12-16.8V, max 120W |
| Operating temperature | 0°C to 40°C |
| Operating humidity | 20% to 80% |
| Connectors | |
| Ethernet | RJ45(×1), 1000BASE-TX |
| Serial communication | 8Pin ^① (×2), support SONY interface |
| Power supply | XLR ^② (×1): 12VDC, 50W; can not be used together with 8Pin data |
| Synchronization | BNC (×1), Black burst, PAL/NTSC |
| Optical Fiber connector | LC (x2) |
| Hybrid cable connector | Optional Lemo 3K.93C |
| Transmission distance | 10km (Typical) optional |

| Video | | |
|-----------------|------------------------------------------------------------------|----------------------------------------|
| Video Format | 12G-SDI | 3G-SDI |
| Channel | Max. 2 channels with loop out cable equalization and re-clocking | |
| Format | SMPTE ST 2082-1 SMPTE ST 2081-1 | SMPTE 424M SMPTE 292M SMPTE 259M |
| Impedance | 75Ω | |
| Reflection Loss | >4dB | >10dB |
| Amplitude | 800mV | 800mV |
| DC offset | 0V±10mV | |
| Rising time | 38ps | 56ps |
| Falling time | 37ps | 52ps |
| Jitter Timing | 0.58UI | 0.12UI |
| Jitter Align | 0.10UI | 0.05UI |
| Cable EQ | 50m, Belden 4794R | 100m, Belden 1694A |

Design and specification are subject to change without notice.



①8Pin Data1: 15VDC output with max 45W; 8Pin Data2: 15VDC output with max 15W;

②XLR: 15VDC output with max 50W; can not be used together with 8Pin data