



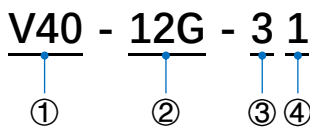
V40 is a portable multi-purpose optical transmission device with compact size and reliable performance. It provides four independent 12G-SDI channels, one serial communication channel, one gigabit ethernet, one synchronization and four GPIOs. It is perfectly suitable for the transmission of various signals in live production, and can be adapted to the whole series of INCAM micro cameras and remote control heads.

V40 can be connected by single-mode fiber, or uses optional power supply unit to connect on SMPTE hybrid cable, and supply power to remote device at the same time.

Features

- ⊙ 1RU 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
- ⊙ Optional power supply unit can supply 100W power to remote device up to 1 km away
- ⊙ Optional video expand unit supports third-party optical transmission equipment by Duplex CWDM technology

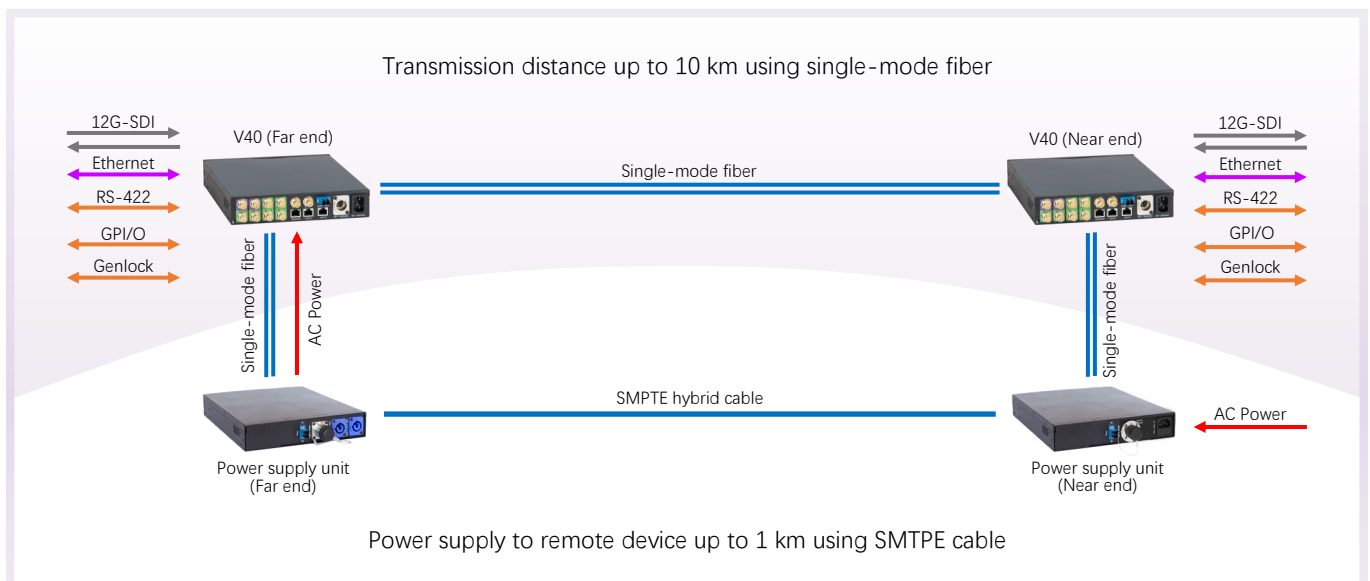
Model Instructions



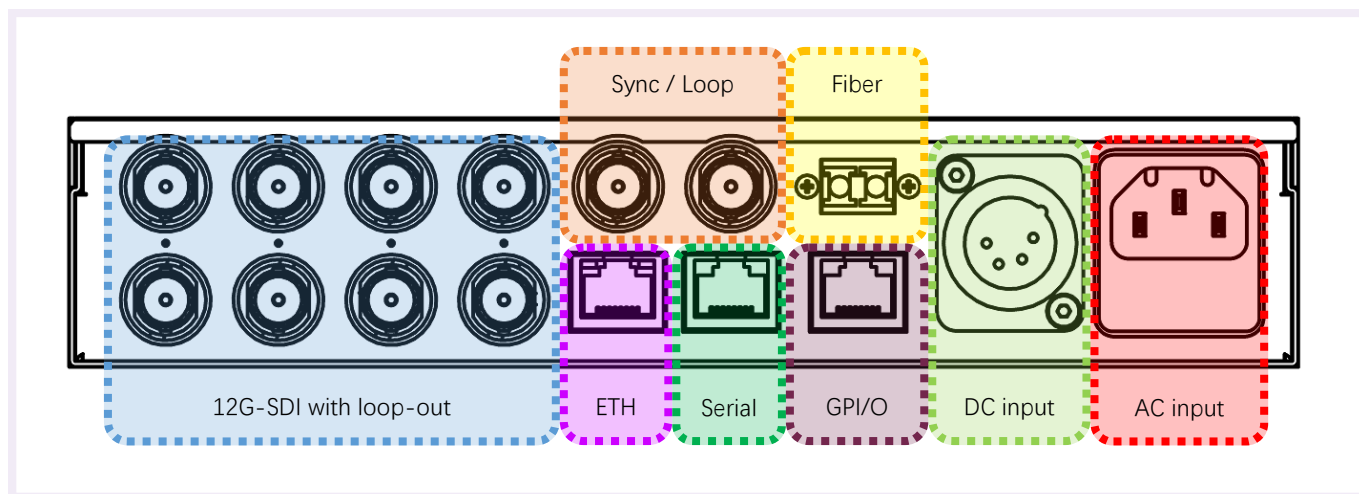
- ① **Model Type:** V40 series
- ② **Compatible video format:** 3G or 12G
- ③ **Number of input channel:** 0 to 4
- ④ **Number of output channel:** 4 to 0

The total number of input and output is not more than 4

System Configuration



Rear Panel



Related Products

CMDS Module
CMDS Module

Data and Power Converter
1B8 box

Portable Mount Kit
Portable MK2U

Rack Mount Kit
Rack MK1U

Technical Specifications

| General | |
|-----------------------|----------------------------------|
| Dimension | 218mm×45mm×273mm |
| Weight | Approx. 2.2kg |
| Power consumption | AC 100-240V, DC 9-16.8V, 30W |
| Operating temperature | 0°C to 40°C |
| Operating humidity | 20% to 80% |
| Connectors | |
| Ethernet | RJ45 (×1), 1000BASE-TX |
| Serial communication | RJ45 (×1), support SONY protocol |
| Synchronization | BNC (×1), Black burst, PAL/NTSC |
| GPIO | RJ45 (×1), 2 input 2 output |
| Optical | LC (×2) |
| Transmission distance | Optional 40 km or 80 km |

Design and specification are subject to change without notice.

| Video | | |
|---------------|---|--|
| | 12G-SDI | 3G-SDI |
| Connectors | BNC (×8) Max. 4 channel with loop out and re-clocking | |
| Format | SMPTE ST 2082-1 SMPTE ST 2081-1 | SMPTE 424M SMPTE 292M SMPTE 259M |
| Impedance | 75Ω | |
| Amplitude | 800mV | 800mV |
| DC offset | 0V±5mV | |
| 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 |