

V30 supports three independent video transmission channels which can be chosen as 12G-SDI or 3G-SDI compatible, and can also be customized with different input/output combinations.

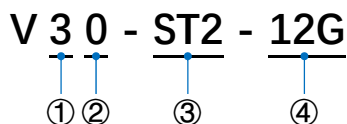
V30 supports multiplexing of other third-party optical transmission equipment from its AUX optical channel. V30 can be powered via SMPTE hybrid cable and transmit signals when used together with FPT-S2E1 multi-purpose optical transmission unit.



### 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 signal test
- ⦿ Duplex CWDM technology to support third-party optical transmission equipment from AUX optical channel (dedicated for 1310nm)
- ⦿ Loop out on all input/output connectors

### Model Instructions



- ① **Number of input channel:** 0 to 3
- ② **Number of output channel:** 3 to 0  
The total number of input and output is not more than 3
- ③ **Optical connector:** LC or ST, 2 ports
- ④ **Compatible video format:** 3G or 12G

### Technical Specifications

General	
Dimension	240mm×45mm×273mm
Weight	Approx. 1.5kg
Power consumption	AC 100-240V, DC 9-16.8V, 30W (Max.)
Operating temperature	0°C to +40°C
Operating humidity	20% to 80%
Optical	
Connectors	LC / ST (x2)
Spectrum	1310nm to 1610nm
Transmit power	3dBm@11.88Gb/s, -5dBm@2.97Gb/s
Receive sensitivity	-14dBm@11.88Gb/s, -15dBm@2.97Gb/s
Transmission distance	10km (Typical)

Design and specification are subject to change without notice.

Video		
	12G-SDI	3G-SDI
Connectors	BNC (×6), 3 channel with loop out and re-clock	
Format	SMPTE ST 2082-1 SMPTE ST 2081-1	SMPTE 425M A/B SMPTE 292M SMPTE 259M
Impedance	75Ω	
Amplitude	821mV	820mV
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

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