

## CustOptic-V120

### Fiber Optical Solution

The V120 series is a full-featured, easy-to-operate optical signal solution, which can support 12 channels of 12G-SDI with loop out and 2 independent Gigabit Ethernet.

It is equipped with a high-visibility OLED screen and buttons to display the operating status of each signal, providing a reference for safe broadcasting. With long distance transmission via single-mode optical fibre, it can be widely used in programme production sites, TV transmission centres and OB Van.

## 4K8K



### Feature

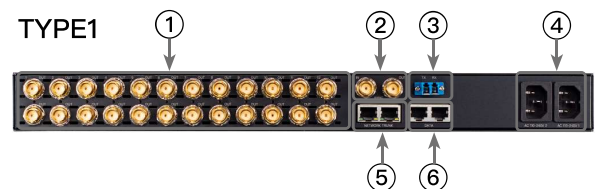
- 1RU size standard chassis with dual AC power supply
- Compatible with common single-mode fiber, typical transmission distance up to 10 km
- Gigabit Ethernet, in accordance with IEEE 802.3 related standards
- Independent video transmission channels with re-clocking and cable equalization, all input/output processing passed Pathological test
- High-visual OLED screen displaying real-time status for Video、Data、Status
- 4-color status light for each BNC port, indicating the direction and status for quick deployment

### Panel



- ① Fan      ② Screen      ③ Screen Button

### Interface



- ① 12x SDI In/Out      ② Sync In/Out  
③ Fiber Connector      ④ AC In  
⑤ 1G Ethernet      ⑥ DATA (RS422/GPIO)  
⑦ 4x1G Ethernet

### Technical Specification

Dimension	Weight	Power	Operating Temperature	Operating Humidity
490*320*45mm	appr.2.4kg	AC 100-240V	0°C to +40°C	20% to 80%
Ethernet		Fiber Connector		
RJ45(X2) ,1000BASE-TX/RJ45(X4) ,4000BASE-TX		LC (x2)		
Video	Connectors	Signal Format	Impedance	Cable Equalization
12G-SDI	BNC (x12)	SMPTE ST 2082-1/2081-1	75Ω />4dB	50m, Belden 4794R
3G-SDI		SMPTE 424M/292M/259M	75Ω />10dB	100m, Belden 1694A
Video	Amplitude	DC Offset	Rising/Falling Time	Jitter Timing/Align
12G-SDI	800mV	±4mV	38ps/37ps	0.58UI/0.10UI
3G-SDI			56ps/ 52ps	0.12UI/0.05UI