

The SWV60800 Multiplexer/Transmitter accepts one composite video baseband signals via one video BNC ports. It then performs a 8-bit linear analog-to-digital conversion on the one baseband video signals, multiplexes the resulting PCM data and transmits the data optically via an



optical fiber to the SWV60800. The digital video transmitted from the SWV60800 video multiplexer/ transmitter unit, is received by the SWV60800, which is responsible for routing the video data to digital-to-analog converters for output via the one video output BNC port. The Models SWV60800 and SWV60800 are rack-mount, plug-in cards that occupy one card slot in a Series SWV60800 card chassis. The units operate on 5VDC from the chassis power supply

**Feature**

1. ASIC design SMT craftwork
2. Complete digital fiber transmission platform and flexible configuration of different signal
3. Independent intellectual property large-scale special-purpose integrated circuit core
4. Transmit on one fiber
5. PAL/NTSC/SECAM auto-negotiation, broadcasting transmission quality
6. Rate of asynchronous data can reach more than 128Kbps
7. FC/SC interface supports full/half duplex
8. No electromagnetic interface ,no RF interface and no terra electric current
9. Intelligent transportation system ( ITS ) ;
10. Highway video monitoring and control system;
11. Toll monitoring and control system;
12. Close circuit TV industry monitoring and control;
13. TV program switching channel transmission;
14. High-fidelity video conference system;
15. Security monitoring and control system.
16. Interconnection of monitor centers
17. Expressway
18. Electronic police
19. Bank, Airport , Factory , School , Customs , Jail , Governmental agency

**Video**

Video Format	NTSC, PAL, SECAM
Voltage	1V p-p, 75Ω
Bandwidth	11MHz, -3Db
Differential Gain	≤ 2% typical
Differential Phase	≤ 2% typical
Video SNR	≥ 62dB over usable fiber range
Encoding	8-bit linear PCM
Sampling Rate	15MHz

Bit Rate Over Fiber	155Mbps
Wavelength T to R	1310nm
Fiber Connector	FC/PC

#### Environment

Working temperature -20 °C to 70 °C

Storage temperature -45 °C to 85 °C

Humidity Relative humidity 5% to 95% non-condensing

#### Power

Input power 1A@5VDC

Source 2W Power Supply or Chassis Backplane

#### Dimension

L\*W\*H 45mm\*200mm\*220mm

Shell Iron

Color Black

Weight 1100g