



**DW-VCX16 Series**  
**16 Channel Video Converter**



**Features**

- ◆ Transport 8~16 channels of High quality video over one optical fiber cable
- ◆ Exceed RS250C Medium Haul Specification for DG, DP and SNR.
- ◆ 6.5MHz video bandwidth, Compatible with NTSC, PAL and SECAM
- ◆ Uncompressed video, 8 Bit digital encoding/decoding
- ◆ Transmission of 8 channels of any directional audio
- ◆ Provide 8 channels of bi-dir data compatible with RS232, RS422/RS485
- ◆ Support 4 E1, G.703 standard
- ◆ One 10M/100M Ethernet compatible with IEEE802.3
- ◆ Easy installation and adjustment free
- ◆ Transmission up to 60KM over one fiber
- ◆ Stand alone operation or mount in Model DW-VCC2 chassis
- ◆ **Lightening Protection:IP20**

**Description**

The Product is a fiber optic digital multiplexer for transmitting 8~16 channels of high quality, uncompressed digital video, 1~8 channels of bi-directional data and audio, 1~4 E1 and one 100M Ethernet over a single fiber cable.

**Application**

- ◆ CCTV,
- ◆ video surveillance,
- ◆ homeland security,
- ◆ ITS



**Specifications**

<b>Video</b>	Format: PAL/NTSC/SECAM Signal: 1Vp-p, 75Ω Digitization: 8bits , 15M Sample Bandwidth: 6.5MHz DG<1% DP<0.5o SNR>63dB(weighted) Connectors:16 BNC
<b>Audio</b>	Channel: 1-8 Bi-directional audio Input: unbalanced, 600Ohm Digitization: 16bit@48k Frequency: 10Hz to 20KHz SNR:>70dB Connector: RJ45
<b>Data</b>	Channel: 1-4 Bi-directional Rate: 0~23.04Kbps/channel Selectable RS-232/RS-422/RS-485 Connector: RJ45
<b>Power</b>	220VC/50Hz DC12V,DC24V,DC48V for optional
<b>Indicators</b>	Power Optical Link Status Video Signal Audio status Data traffic E1 Alarm Ethernet Link Status
<b>Environment</b>	Operating: 0°C~70°C Storage: -40°C ~ 85°C Humidity: 0~95% Non-Condensing
<b>E1</b>	Bit rate: 2.048Mbps Line Code: HDB3 Standard: ITU-T G.703 Connector: CC3(1.0/2.8) Line impedance: 75ohm Jitter Performance:G.742 and G.823
<b>Ethernet</b>	Data Rate: 10/100Mbps auto detect Standard: IEEE802.3 Connector: RJ45 Auto-negotiation with half/full duplex
<b>Physical Dimensions</b>	43.4*66*20cm 2kg



**HONGKONG DONGWE TECHNOLOGIES CO.,LTD**

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**Ordering Information**

Part Number	
DW-VCT16V-02	Transmitter, 16 Channels Video, multimode, 2km
DW-VCR16V-02	Receiver, 16 Channels Video, multimode, 2km
DW-VCT16V1D-20	Transmitter, 16 Channels Video, 1 channel reversed data, single mode, 20km
DW-VCR16V1D-20	Receiver, 16 Channels Video, 1 channel reversed data, single mode, 20km
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