FEATURE

- Card type or independent structure, which is applied tocentralized
  management 2.5U, 4U chassis

- 8/10-bit digital code and non-compression type videotransmission

- Support any high-resolution video signal

- 5Hz-10MHz video channel

- Automatic compatible PAL, NTSC and SECAM video system

- With APC circuit, constant input optical power, and largedynamic range

- Kilomega optical fiber transmission, large capacity, andeasy to upgrade

- Power supply and other parameter state indication, whichcan monitor
  the operation condition of system

- Support no-damage regenerative trunk of video

- Advanced self-adapting technology, and it is unnecessary toimplement
  the adjustment of spot electrics or optics when using

- Industry-grade design and modularization design make theequipment
  reliable and flexible

OVERVIEW

FOCOMM series video optical transceiver adopts the advanced digital video and opticalfiber transmission technology, and implement

the real-time transmission &synchronization, no-distortion and high quality 32/64-channel video signal on thesingle fiber. 32/64-channel video

optical transceiver adopts the full digital videonon-compression transmission technology and high quality video effect, whichcan meet the

user's requirements; the play-and-plug design makes theinstallation more convenient and easier, and it is unnecessary to implement thespot

adjustment; its optical module and core circuit adopts the importedcomponents that have high stability, and all optical & electricalinterfaces

conform to the international standards, which is applied to thedifferent working environment. This optical transceiver with video statusindication

can monitor the normal operation of system.

SPECIFICATIONS

Optical Feature	Transfer Distance: up to 120km, Connectors: ST/PC, FC/PC optional
	Wavelength: 1310nm/1550nm
Video Feature	Video Interface: BNC
	Video input/output impedance: 75Ω (unbalanced)
	Video input/output Voltage: 1VP - P (peak value),Max 1.2Vpp, Video Bandwidth: 10MHz
	Video sampling: 15MHz high speed sampling, Video digit bit width: 8/10 bit
	Differential gain: (10%-90%APL) DG <1%(Typical value)
	Differential phase: (10%-90%APL) DP <0.8<>°(Typical value)
	Video SNR: S/N $\geq$ 70dB (Maximum optical link path loss)
Audio Features	Audio interface: Forward Direction, Reverse Direction orBi-directional Audio
	Interface terminal: Standard industrial connectingterminals
	Audio input/output electric level typical: 0dBm
	Audio input/output impedance: 600Ω (balanced/unbalanced)
	Audio input/output amplitude: 2VP-P(peak value)
	Audio bandwidth: 20Hz~20kHz, Sample rate: 58.6K
	Nonlinear distortion coefficient: $\leq$1%, Audio SNR: S/N$\geq$85db
Data Features	Interface: Standard industrialconnecting terminals
	Controlling Equipment: PTZ decoder,Keyboard ,data interface of Matrix,
	High speed dome camera, industrial equipment
	Interface Signals: RS-485(2 lines), RS232, RS422 and so on
Alarm Features	Interface: standard industrialconnecting terminals (Alarm, Switch, Remote control)
	Alarm/switch input signals: any active or passivealarm/switch input, supporting passive switch
	Alarm/switch output signals: any active or passivealarm/switch output, supporting relay contact output
	Current: Low current, High-current and high-voltage can useabove 1A/12V
Ethernet Features	Interface Speed Rate: 10/100Mbit/s Auto-adaptation, thedefault is 100MBPS working condition,
	Interface Type: RJ-45
	Supporting Agreements: IEEE802.3U 100Base-TX, 10/100M
	Communication Working format: Full-duplex or half-duplex
Telephone Features	Physical Interface: RJ-11 Connector Jack, Voice Bandwidth: 8KHZ
	Operating Mode: Point-to-point hotline, programcontrolled switch/extension mode
General Parameter	Operating Temperature: -40oC~+85oC, Storage Temperature: -45oC~+95oC
	Relative humidity: 0~95%(Non-condensing)
	Power Voltage: AC85-260v/50Hz, MTBF: $\geq$105 hours, Housing: Metal enclosure

ORDER INFOMATION

PRODUCT	PART NUMBER
1 CH 1080P TVI/CVI/AHD Video Converter, WDM, RS485 Data, 20 Km, FC	VDC-1V1D-FC20T/R-1080
2 CH 1080P TVI/CVI/AHD Video Converter, WDM, RS 485 Data, 20 Km, FC	VDC-2V1D-FC20T/R-1080
4 CH 1080P TVI/CVI/AHD Video Converter, WDM, RS 485 Data, 20 Km, FC	VDC-4V1D-FC20T/R-1080
8 CH 1080P TVI/CVI/AHD Video Converter, WDM, RS 485 Data, 20 Km, FC	VDC-8V1D-FC20T/R-1080
16 CH 1080P TVI/CVI/AHD Video Converter, WDM, RS 485 Data 20 Km, FC	VDC-16V1D-FC20T/R-1080
32 CH 1080P TVI/CVI/AHD Video Converter, WDM, RS 485 Data 20 Km, FC	VDC-32V1D-FC20T/R-1080
64 CH 1080P TVI/CVI/AHD Video Converter, WDM, RS 485 Data 20 Km, FC	VDC-64V1D-FC20T/R-1080