

Features:

- Compatible with PAL/NTSC/SECAM system, featuring high transmission quality
- Industrial design, SMT technology
- Full digital optical transmission platform, flexible configuration of services in the same platform
- Large-scale application-specific integrated circuits with self-owned intellectual property rights
- Single-fiber transmission (optional dual fiber)
- An asynchronous data transmission rate up to 128 Kbps
- The RS-485 interface supports full-duplex/half-duplex mode.

Application:

- Interconnection of monitoring centers
- Intelligent transport systems (ITSs)
- Expressway video monitoring systems
- Toll station video monitoring systems
- High-fidelity videoconferencing systems
- Industrial monitoring with closed-circuit TV
- Security systems



2 channels+RS232/485/422



1 channel



4 channels+ Ethernet



8 channels

Specification:

Parameter	Specification
Video	
Interface type	BNC
Video channel	1 / 2 / 4 / 8 / 16 / 32 / 64
Signal system	PAL/NTSC/SECAM
Nominal input/output impedance	75Ω
Bandwidth per channel	6.5MHz
Audio	
Bandwidth per channel	20Hz~20KHz
Input impedance (Line-in)	47KΩ/unbalanced(600Ω/balanced)
Output impedance (Line-out)	10KΩ/ unbalanced(600Ω/balanced)
Asynchronous Data	
Interface type	RS-485/422/Manchester or RS-232
Operating mode	Full duplex/half duplex (only for RS-485/422 interface)
Transmission speed	2400~9600Kbps
BER	<1×10 ⁻⁹
Ethernet	
Channel	1
Interface type	RJ-45
Work mode	10M/100M , Full/Half Duplex Auto-negotiation
Throughput rate	100%@10M
Optic fiber connector	FC/PC (or ST/PC optional)
Power Supply	DC: +5V 2A
Total power consumption	<10W (Single end)
Fiber Interface	
Physical interface	FC/ST
Fiber type	Singlemode, single fiber
Dimensions	
1-4 Channel Video	210×139×26mm
8 Channel Video	210×139×50mm
16 Channel Video	482×155×45mm
Environmental condition	
Operating temperature	-25℃~+70℃
Storage temperature	-40℃~+80℃
Relative humidity	0~95% (non-condensing)

Order Information:

P/N	Description	Power Supply	Fiber Interface
FT-VC1V-S20	Fiber video converter, SM 1 channel video ST 20KM	External power supply	FC/ST
FT-VC4V-S20	Fiber video converter, SM 4 channel video ST 20KM	External power supply	FC/ST
FT-VC1V1B-S20	Fiber video converter, SM 1 channel video, backward data ST 20KM	External power supply	FC/ST
FT-VC4V1B1R-S20	Fiber video converter, SM 4 channel video, backward data, with ethernet 20KM	External power supply	FC/ST