



**64CH Video+2CH Reverse Data+1CH Bi-directional Audio+100M Ethernet  
Video\_Multiplexer**

**OP-VM-64V1R1A1F**



**Shenzhen Optostar Optoelectronics Co., Ltd**

**2014. 02(Version 1)**



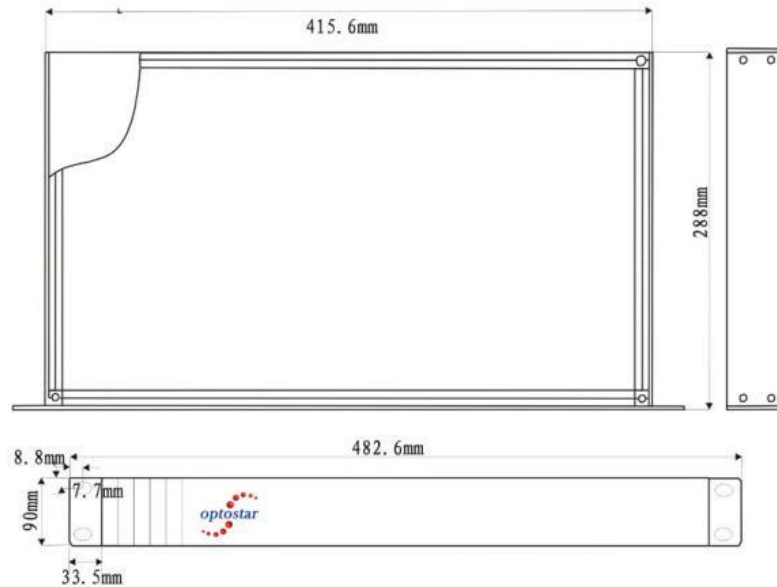
## **Product Features**

- Card-type or Stand-alone type for your choice; suitable for concentration management in 1U Racks
- 10 –digit coding and non-compression video transmission
- supporting any high –resolution video signal
- automatically compatible with PAL, NTSC and SECAM video format
- Supporting video intact regenerative relay, the video transmission can be reach above 200km
- Supporting advanced SNMP standards, realise long-distance web-controlling
- LED indication of power and other parameter status, monitoring real-time operation
- Modularized and industrialized design ensuring reliability and flexibility

## **Target Industries**

- Intelligent transportation supervisory system (ITS)
- High-speed Way supervisory/Tele-Communication System
- Security protection system, TV medical treatment
- Long-distance Muti-media Schooling, Campus monitoring
- Long-distance broadcast television transmission system
- High-building Security Protection, Military Tele-Com projects

**Product Size**

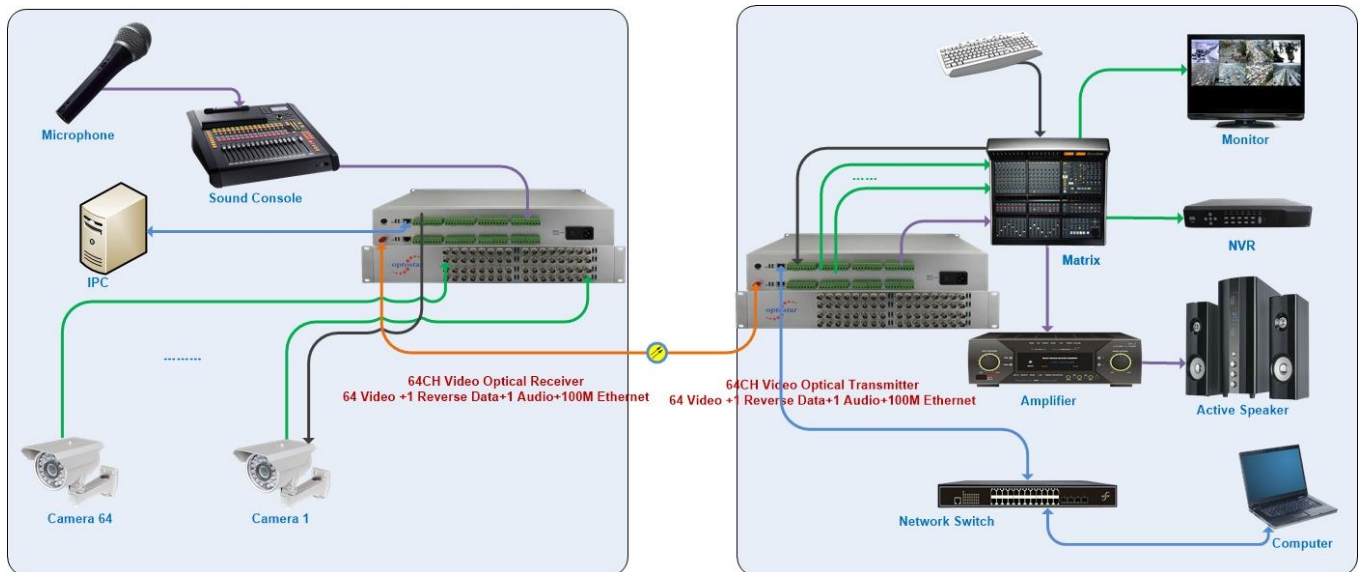


**Technical Parameter**

Technical parameter list	
Product Name	64CH Video Audio Optical Transceiver with 1CH Data/Ethernet
Product Model	OP-VM-64V1R1A1F
Connector Type	64 BNC video port , data port, audio port, ethernet port,1 single mode single fiber FC port
Video Interface	BNC
Video Bandwidth	10MHz
Video Bit Wide	8/10/12 bit
Differential Gain	(10%-90%APL) DG <1%
Differential Phase	(10%-90%APL) DP <0.8°
Video SNR	S/N ≥ 70dB
Data Interface	industrial interface; RS-485 ,RS232 or RS422
Data Bit Rate	0-1024Kbps

Audio Interface	industrial interface
Audio Bandwidth	20Hz~20kHz
Audio SNR	S/N≥85dB
Alarm Feature	switch short circuit signal,high and low level signal input; NO and NC signal output
Ethernet Feature	IEEE802.3U 100Base-TX, CPT cat5, 10/100M auto adaption
Protocol	IEEE 802.3U 100Base-TX ,10/100M
Fiber Feature	single mode single fiber, FC port
Power Supply	AC85-260V/50Hz
Power Consumption	35W
Working Environment	environmental temperature:-40 ℃ ~+85 ℃ , storage temperature:-45 ℃ ~+95 ℃ , humidity:0~95%
Dimension	LxWxH: 482.6X288X90mm
Certification	FCC
Warranty	3 years

**Application**





Order Information

Model	Description	Max Transmission Distance (KM)
OP-VM-64V2R1B1F-M-0.5	64 video +2 reverse data+ 1 Bi-directional audio + 100M ethernet	0.5 KM(Multi-mode)
OP-VM-64V2R1B1F-S-20	64 video +2 reverse data+ 1 Bi-directional audio + 100M ethernet	20 KM(Single-mode)
OP-VM-64V2D2B1F-S-20	64 video +2 bi-directional data+ 2 Bi-directional audio + 100M ethernet	20 KM(Single-mode)
OP-VM-64V4D4W32A1F-S-20	64 video+4 bi-directional data +4 alarm + 32 audio+100M ethernet	20 KM(Single-mode)

Note: The interface can be ST or FC, according to the different requirements from customers. The fiber optic transmission distance can be ordered. (40km, 60km, 100km...)

(F:10/100M Ethernet;G:10/100/1000 Ethernet; T:Telephone ; V:Forward Video;E: Bi-directiona Video; A:Forward audio; B:Bi-directiona audio; R: reverse data; D:Bi-directiona Data; W:Switch/alarm)

S-40:40KM; S-60: 60KM; S-100: 100KM -S: Single-mode; -M: Multi-mode

Package include

No	Package List
1	Video Multiplexer Multiplexer
2	User Guide
3	Warranty Card
4	Qualified Certification
5	Power Adapter
6	Facility

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

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## Contact OPTOSTAR

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