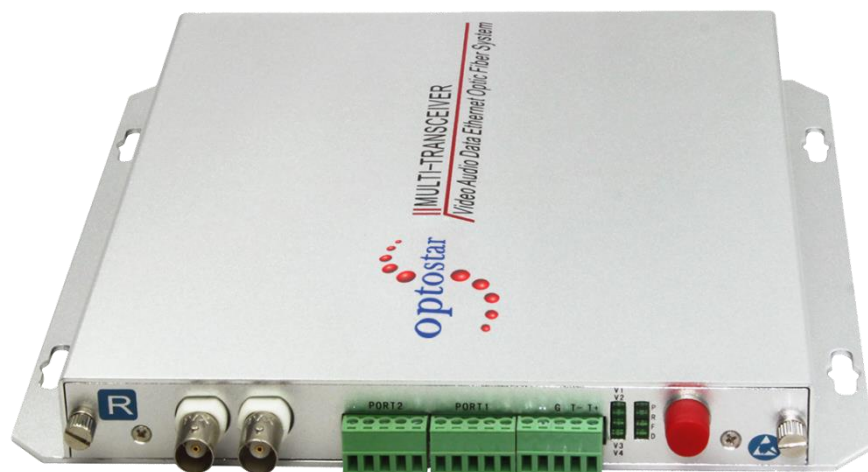




## 1 Bi-directional Video + 1 Bi-directional Audio Video Multiplexer

OP-VM-1E1D1B



Shenzhen Optostar Optoelectronics Co., Ltd

2014. 02 (Version 1)

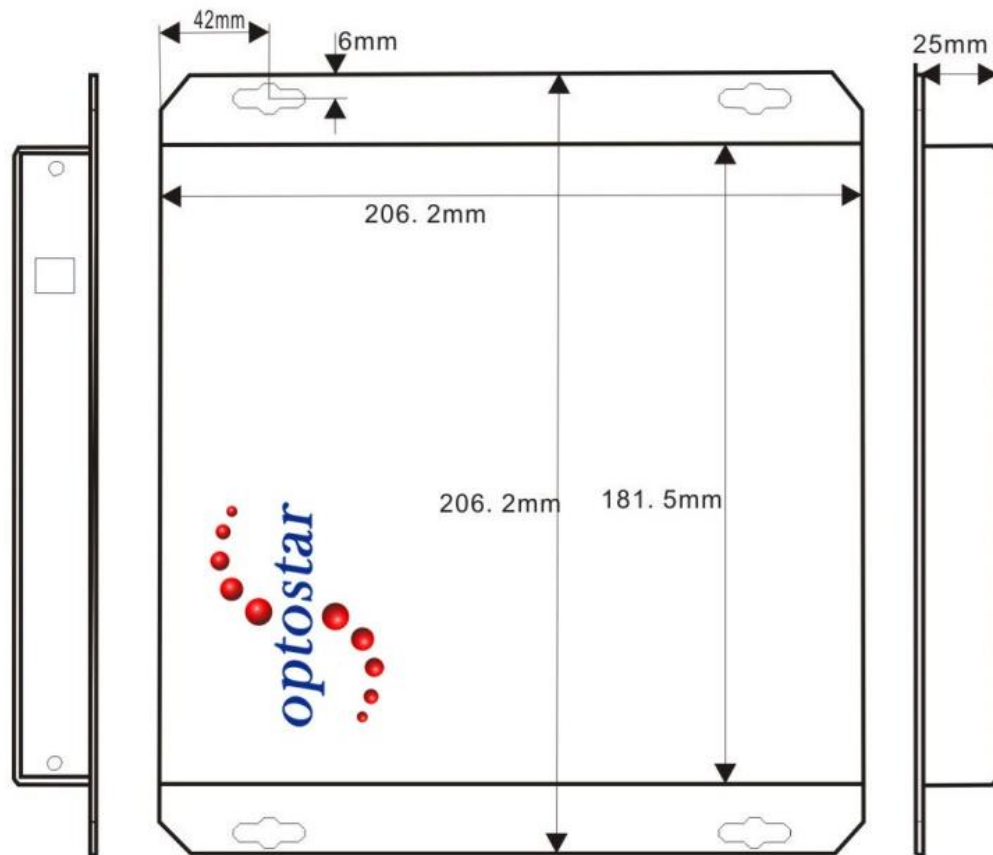
## Product Features

- Card-type or Stand-alone type for your choice; suitable for concentration management in 4U 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 Multi-media Schooling, Campus monitoring
- Long-distance broadcast television transmission system
- High-building Security Protection, Military Tele-Com projects

**Product Size**

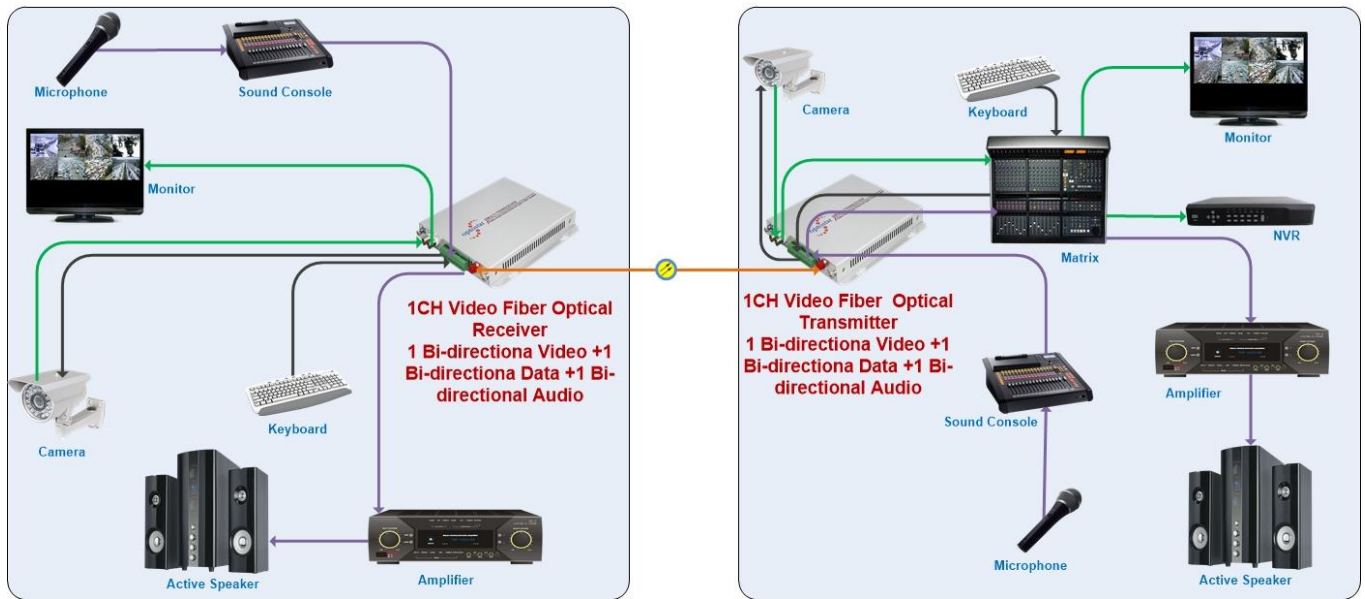


**Technical Parameter**

Product Name	1CH Audio Video Optical Transceiver with 1CH Bi-directiona Data
Product Model	OP-VM-1E1D1B
Connector Type	1
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) DG<0.7dB
Video SNR	S/N≥70dB
Data Interface	Industrial terminal blocks
Data Bit Rate	0-1024Kbps

Audio Interface	Industrial terminal blocks
Audio Bandwidth	20Hz~20kHz
Audio SNR	S/N≥85dB
Power Supply	External power adapter(input: AC100-240V 50/60Hz; output: 5V 1A)
Power Consumption	2.5W(Input:DC5V 1000mA)
Working Environment	Environment temperature: -40 ℃~+85 ℃; storage temperature:-45 ℃~+95 ℃; relative humidity: 0~95%
Dimension	LxWxH: 116X87.5X25.5mm
Certification	FCC Class A, CE, ROHS
Warranty	3 years

**Application**



**Order Information**

Model	Description	Max Transmission Distance (KM)
OP-VM-1E1B-M-0.5	1 Bi-directiona Video +1 Bi-directiona Audio	0.5KM (Multi-mode)
OP-VM-1E1B-S-20	1 Bi-directiona Video +1 Bi-directiona Audio	20 KM(Single-mode)
OP-VM-1E1D-S-20	1 Bi-directiona Video +1 Bi-directiona Data	20 KM(Single-mode)
OP-VM-1E1D1B-S-20	1 Bi-directiona Video +1 Bi-directiona Data +1 Bi-directional Audio	20 KM(Single-mode)
OP-VM-1E1D1B-S-20	1 Bi-directiona Video + 1 Reverse Data + 1 Bi-directional Audio	20 KM(Single-mode)
OP-VM-1E1D1W1B-S-20	1 Bi-directiona Video + 1 Bi-directiona Data + 1 Forward Direction Switch + 1 Bi-directional Audio	20 KM(Single-mode)
OP-VM-1E1D1W4B-S-20	1 Bi-directiona Video +1 Bi-directional Data + 1 Switch + 4 Bi-directional Audio	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)  
(V:Forward Video;E: Bi-directiona Video; R: data; D:Bi-directiona Data; W:Switch/alarm;F:10/100MEthernet;T:TelePhone)  
S-40:40KM; S-60: 60KM

**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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