

MAX. 10KM

# FVPS-M033



## 4K DisplayPort Video Extender over Single-Mode Fiber with Audio, IR, Serial, 10KM

### Specifications

Model Number	Computer Unit	Console Unit
FVPS-M033	FVPS-033L	FVPS-033R
MAX. Resolution	3840x2160@30Hz ( 4:4:4 )	
Video Extension	DisplayPort x 1 ( In )	DisplayPort x 1 ( Out )
Speaker Extension	3.5mm SPK Jack x 1 ( In ) ( Audio Embed Function )	3.5mm SPK Jack x 1 ( Out ) ( Audio Extract Function )
Microphone Extension	3.5mm MIC Jack x 1 ( Out )	3.5mm MIC Jack x 1 ( In )
IR Extension	3.5mm IR Jack x 1 ( Out )	3.5mm IR Jack x 1 ( In )
Serial Extension	DB-9 x 1 ( RS232 DCE )	DB-9 x 1 ( RS232 DTE )
HDCP Compliance	HDCP 1.4	
Fiber Link Port	1.25Gbps Single-Mode SC Duplex x 1 ( Wavelength : 1310 nm )	
SC Fiber Cable	Duplex OS1 or OS2 ( 9/125 μm ) Duplex OM2 or OM3 or OM4 ( 50/125 μm )	
Extension Range	MAX. 10KM with OS1 or OS2 MAX. 1KM with OM3 or OM4 MAX. 250M with OM2	
LED Indicators	Status x 1	
Push Buttons	Reset x 1	Reset x 1, Function x 2
Power Supply	DC 12V~48V	DC 12V~48V
Operation Environment	0~40°C, Humidity<80%	
Storage Temperature	-20~60°C	
Material	Aluminum	
H x W x D ( mm )	27 x 121 x140	27 x 130 x 140
Weight	350	380

### Features

- Allows Reliable Remote Access of a Video Source via a Fiber Cable Up to 10KM ( 32,800 feet )
- Supports Both Single-Mode Fiber Cables and Multi-Mode Fiber Cables
- DisplayPort Video Supports Most Popular Resolutions Up to 4K@30Hz ( 4:4:4 )
- Support Special Aero/Marine Resolution of 2048x2048@60Hz ( 4:4:4 )
- HDCP 1.4 Compliance Ensures Uninterrupted Video Playback
- Smart Audio Extension Allows Embedded Audio and Audio Extraction
- IR Extension from Console Unit to Computer Unit Facilitates IR Control of AV Sources
- RS232 Serial Extension with Selectable Baud Rate Allows for Extensive Control Applications
- Immunity to High EMI Environment by Fiber System
- Interoperability among HDMI / DVI / DisplayPort Models ( Fiber Interface Must be The Same )
- Allows Wide Power Input Range DC 12~48V
- KVM Extender Models with USB 2.0 Extension Also Available



### Product Family

Model	Video Interface	MAX. Resolution	Serial Extension	Fiber Transceiver Type	Extension Distance
FVDS-M033	DVI	1080P	Yes	Single-Mode*	10KM
FVDS-M043				Multi-Mode	1KM
FVMS-M033	HDMI 1.4	4K@30Hz		Single-Mode*	10KM
FVMS-M043				Multi-Mode	1KM
FVPS-M033	DisplayPort	4K@30Hz		Single-Mode*	10KM
FVPS-M043				Multi-Mode	1KM

\* Certain Models Available with Bulk Orders  
\*\* Dual-Monitor Models Available by Request

### Overview

The 4K DisplayPort Video Extender over Single-Mode Fiber with Audio, IR, Serial, 10KM, FVPS-M033, enables 10KM remote access to a 4K Displayport video source, Audio, plus IR and Serial for more controls.

### Connection Pattern

