

MAX. 10KM

FVMS-M033



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

Specifications

Model Number	Computer Unit	Console Unit
FVMS-M033	FVMS-033L	FVMS-033R
MAX. Resolution	3840x2160@30Hz (4:4:4)	
Video Extension	HDMI 1.4 x 1 (In)	HDMI 1.4 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 121 x 140
Weight	350	350

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
- HDMI 1.4 Video Supports Most Popular Resolutions Up to 4K@30Hz (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
- Plug-and-Play, No Driver or Software Required
- Support Windows / Mac / Linux / Chrome O.S.
- 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 HDMI Video Extender over Single-Mode Fiber with Audio, IR, Serial, 10KM, FVMS-M033, enables 10KM remote access to a 4K HDMI 1.4 video source, Audio, plus IR and Serial for more controls.

Connection Pattern

