

4-Channel Video over Fiber Bundle Kit

VF-402-KIT



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Presentation Outline

- ◆ **Product Overview**
- ◆ Product Features
- ◆ **Application**
- ◆ Product Comparison



Product Overview

◆ **Fiber Optic Communication for Video and Serial Data**

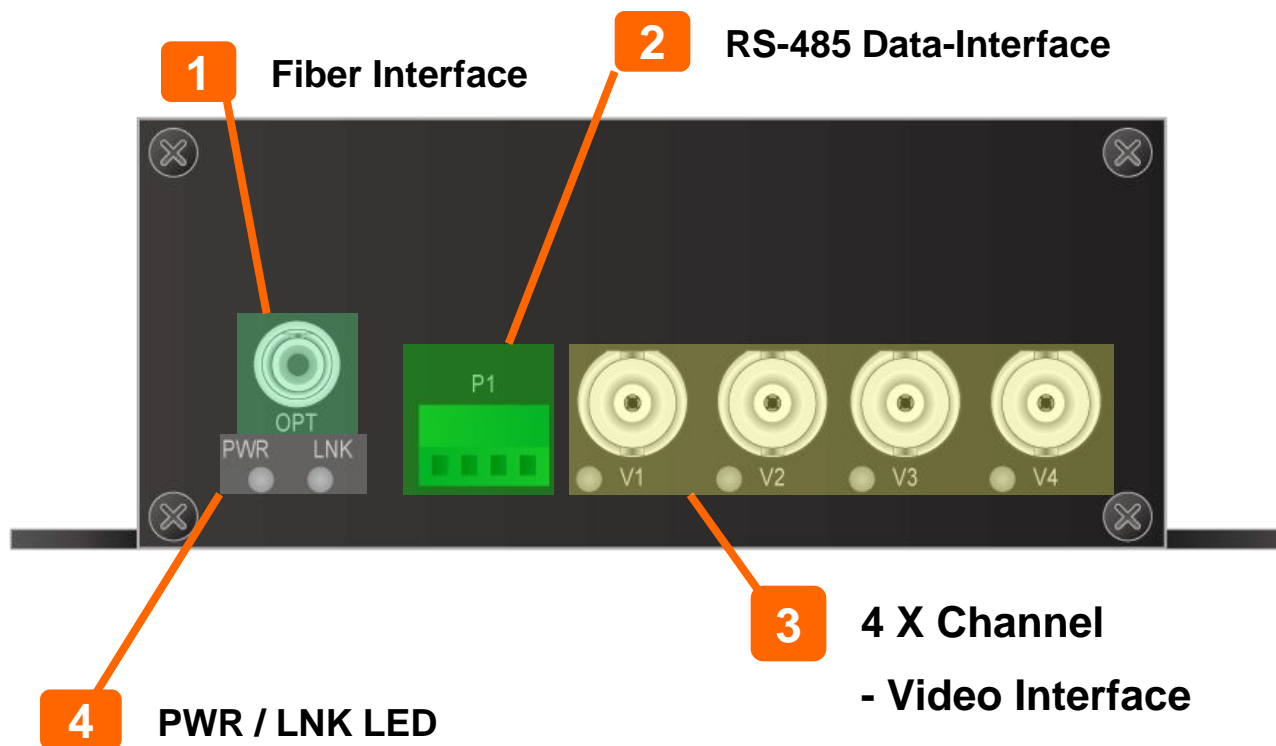
The VF-402-KIT consists of a Video Transmitter and a Video Receiver:

- **VF-402-T: 4-Channel Video over Fiber Transmitter**
- **VF-402-R: 4-Channel Video over Fiber Receiver**



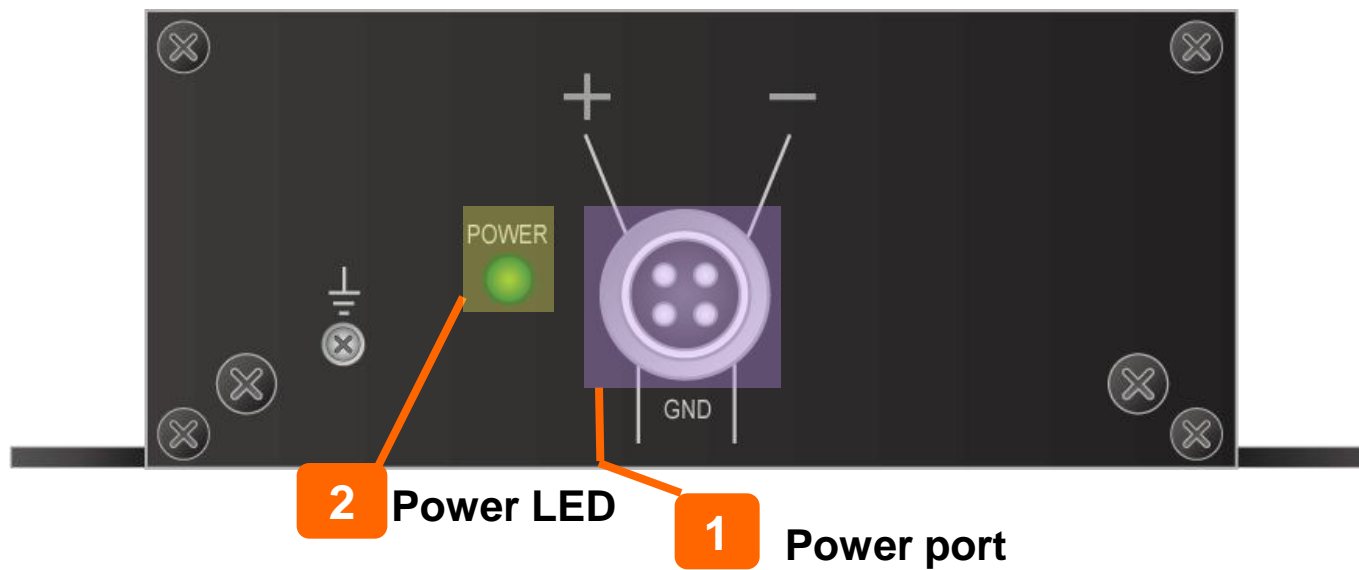
Product Overview

Front Panel of VF-402-KIT



Product Overview

Rear Panel of VF-402-KIT



Product Overview

◆ Dimension

- ✓ **605 mm (W) × 580 mm (D) × 430 mm (H)**

◆ Weight

- ✓ **560g**

◆ Environmental Spec.

✓ Operating Temp & Humidity:

- **-25 ~ 75 Degree C / 0~95% Humidity (non-condensing)**

✓ Storage Temp & Humidity:

- **-40 ~ 85 Degree C / 5~95% Humidity (non-condensing)**

◆ Power Consumption

- ✓ **External power adapter 5V / 2A**

Key Benefits



Long Distances

Coaxial



0.5km

Fiber



20km

Reliable Signal

High Video Quality

VIDEO + DATA

Plug and Play



Product Features

◆ Video and Data over fiber transmission

✓ VIDEO:

- 8 bit Video Signal digital sampling
- **PAL, NTSC, SECAM** compatible

✓ OPTIC:

- **FC** optical connector
- WDM Single mode / Single fiber / **one Bi-directional**
- **20KM** max. transmission distance

✓ DATA:

- Protocol: **RS-485**

Product Features

◆ System Design

- ✓ High-Speed synchronous digital transmission technology
- ✓ Safe transmission guaranteed under poor electromagnetic environment
- ✓ **Plug and Play** and **Hot-swappable** design
- ✓ **-25~75 Degree C** operating temperature
- ✓ Wall-mount design, easy installation

Product Features

◆ Long Distances Analog Surveillance Transmission

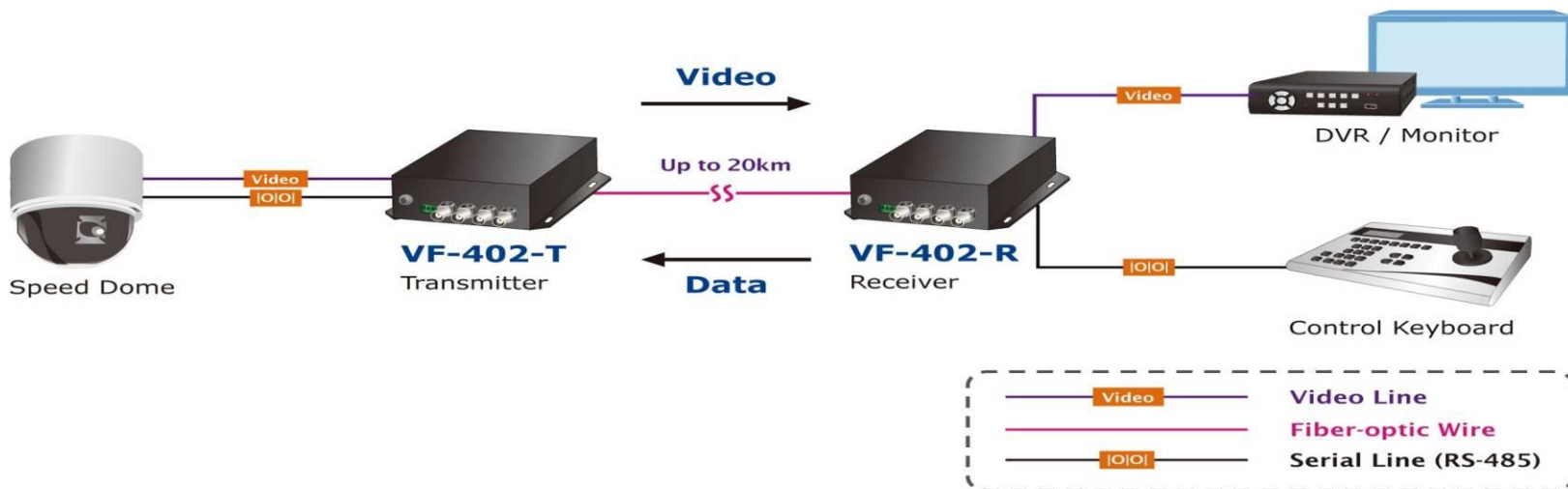
- ✓ The VF-402-KIT consists of **4** channel video over fiber optical **transceiver** and **receiver** to transmit **Video** and **RS-485** signal through a reliable single mode / single **fiber** link.
- ✓ It is an ideal cost-effective solution for surveillance system that requires **high display quality** and **high performance** signal transmission over long distances.
- ✓ The VF-402-KIT can be installed easily and **plug and play**; that means the operator does not need to configure the pair of the video over fiber
- ✓ The flexible and maintenance-free design fits with different installation environments.

Application

◆ Video over Fiber Optic Transmission

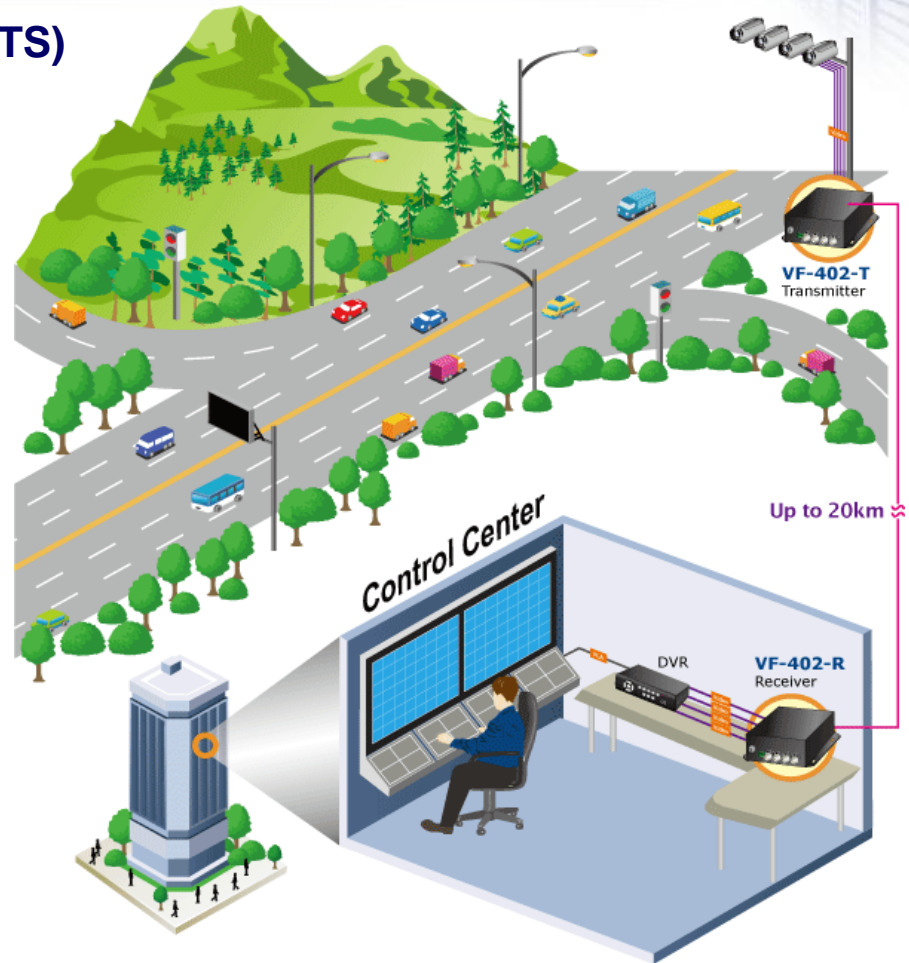


◆ Video + Data over Fiber Optic Transmission



Product Application

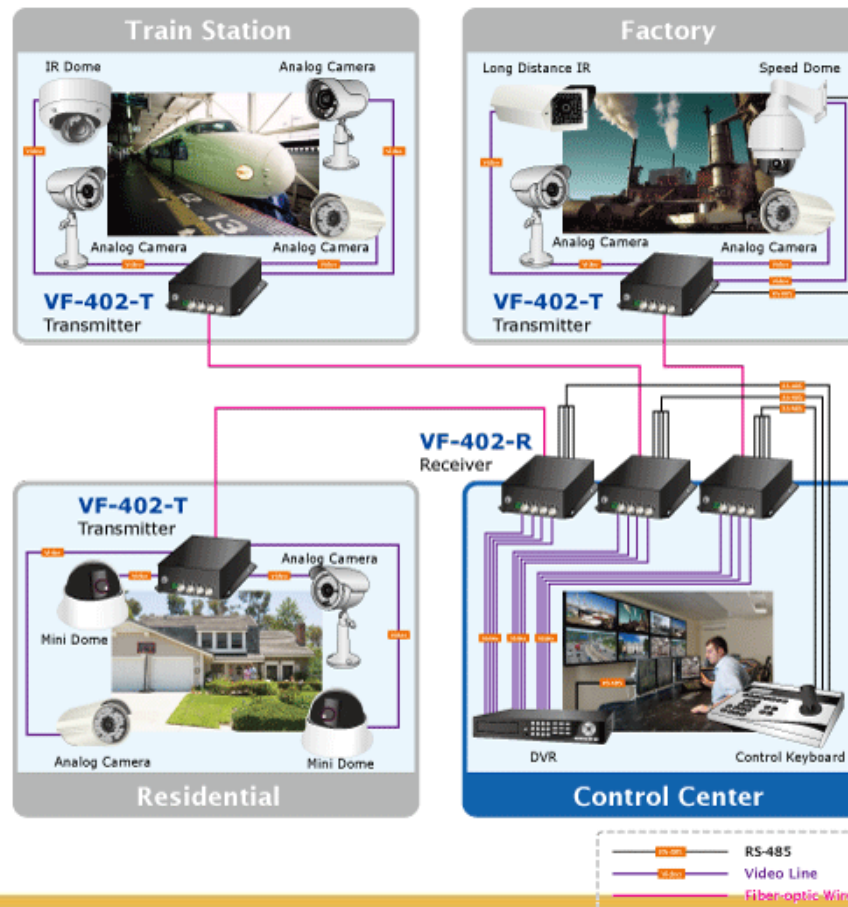
- ◆ Intelligent Transportation Systems (ITS)
- ◆ Toll Collection
- ◆ Traffic Surveillance
- ◆ ATM
- ◆ Rail Signaling
- ◆ Perimeter Alarms and Area Monitors
- ◆ Industrial Surveillance
- ◆ Intelligent Building





Product Application

◆ Reliable Long Distance Solution for Analog Surveillance System



It is an ideal cost-effective solution for surveillance system that requires high display quality and high performance signal transmission over long distances. The VF-402-KIT features easy plug and play; that means the operator does not need to configure the pair of the video over fiber transmission in advance.



Product Comparison-Internal

Model Name	VF-402-KIT	VF-102-KIT
Product Outlook		
Interface		
Video	4	1
Data	1	1
Video		
Camera Connector	BNC	BNC
Video Digital Bit Width	8 Bit	8 Bit
Signal Mode	NTSC, PAL, SECAM	NTSC, PAL, SECAM
Optical		
Fiber Mode	Single mode / WDM	Single mode / WDM
Max. Distance	20 Km	20 Km
Fiber Connector	FC	FC
Data		
Data Connector	4-Pin Terminal Block	3-Pin Terminal Block
Physical Protocol	RS-485	RS-485
Hardware Specification		
Planet Media Converter Chassis Integrated	-	Yes (MC-700/ MC-1500 series)
Operating Temperature	-25~75 Degree C	-10~60 Degree C

Product Comparison-External

Brand	PLANET	VersiVision
Model Name	VF-402-KIT	FVTM/FVRM4A03
Product Outlook		
Interface		
Video	4	4
Data	1	1
Video		
Camera Connector	BNC	BNC
Video Digital Bit Width	8 Bit	8 Bit
Signal Mode	NTSC, PAL, SECAM	NTSC, PAL, SECAM
Optical		
Fiber Mode	Single mode / WDM	Single mode / WDM
Max. Distance	20 KM	3 KM
Fiber Connector	FC	ST
Data		
Data Connector	4-Pin Terminal Block	4-Pin Terminal Block
Physical Protocol	RS-485	RS-485 / RS-422 / RS-232
Hardware Specification		
Operating Temperature	-25 ~ 75 Degree C	-30 ~ 50 Degree C

Appendix Sales Target

◆ Target Markets

- ✓ CCTV Supplier
- ✓ Traffic Surveillance / Industrial Surveillance
- ✓ Intelligent Building
- ✓ Perimeter Alarms and Area Monitors

◆ Target Customers

- ✓ **Who buys analog cameras**
- ✓ **Who needs long distance video transmission**



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