

## 1-Channel Video over Fiber Bundle Kit

**VF-1xx-T / VF-1xx-R**  
**(MM/SM/WDM, SC/ST/FC)**

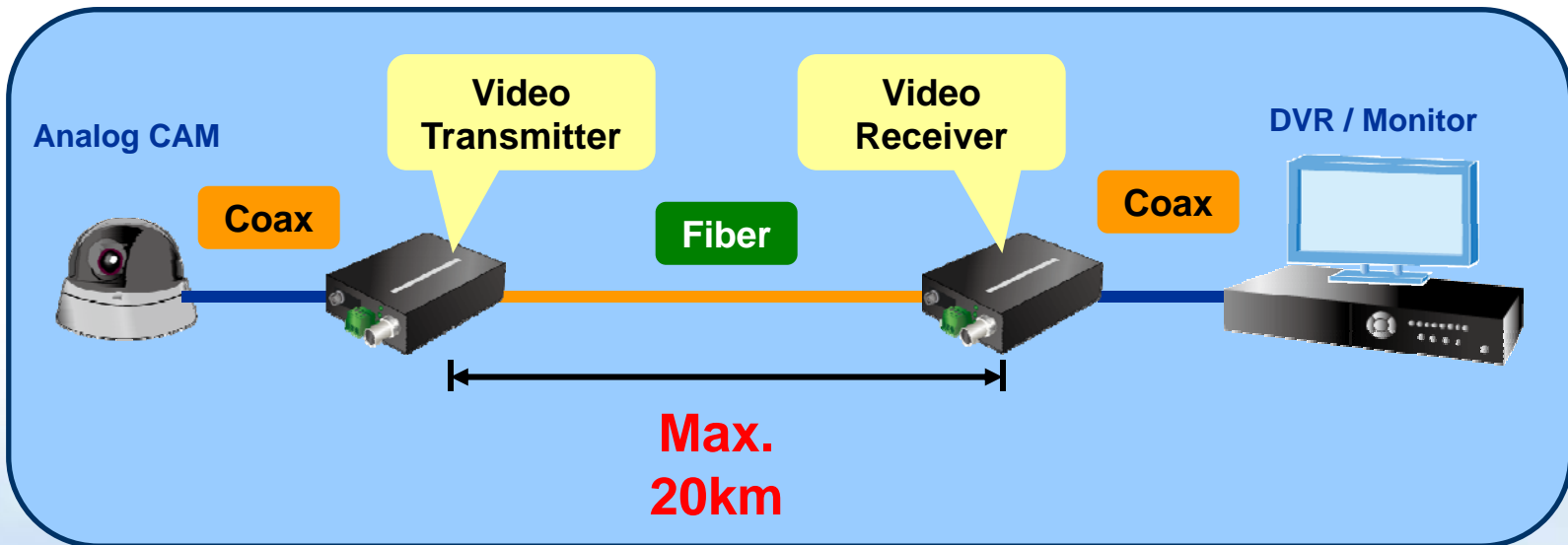
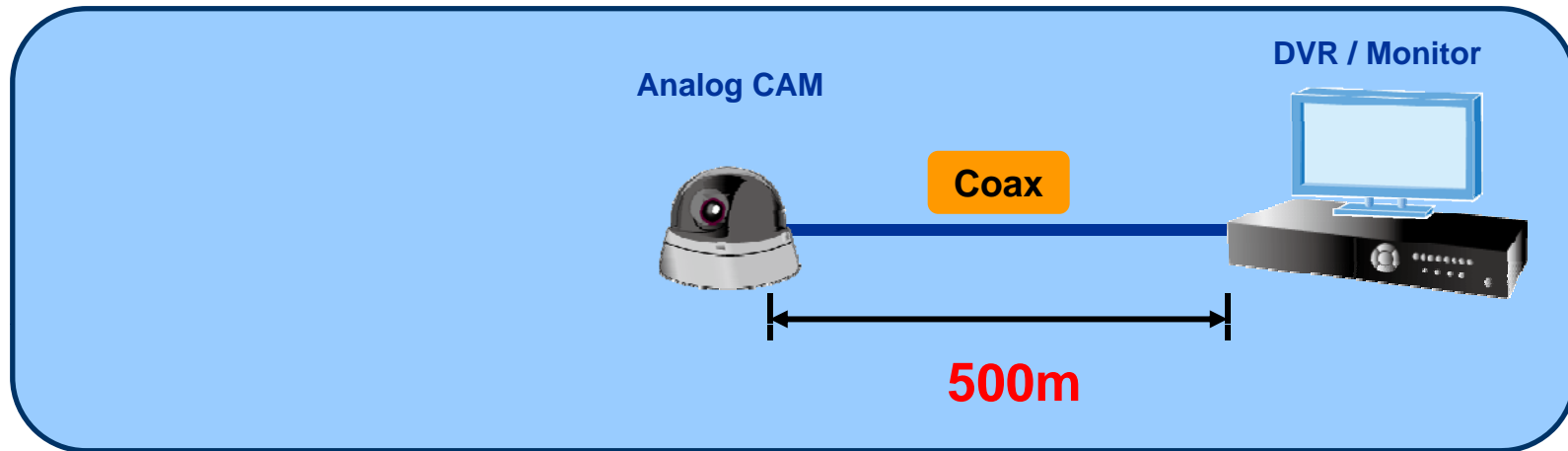


- ◆ **Product Overview**
- ◆ **Product Benefits**
- ◆ **Product Features**
- ◆ **Application**



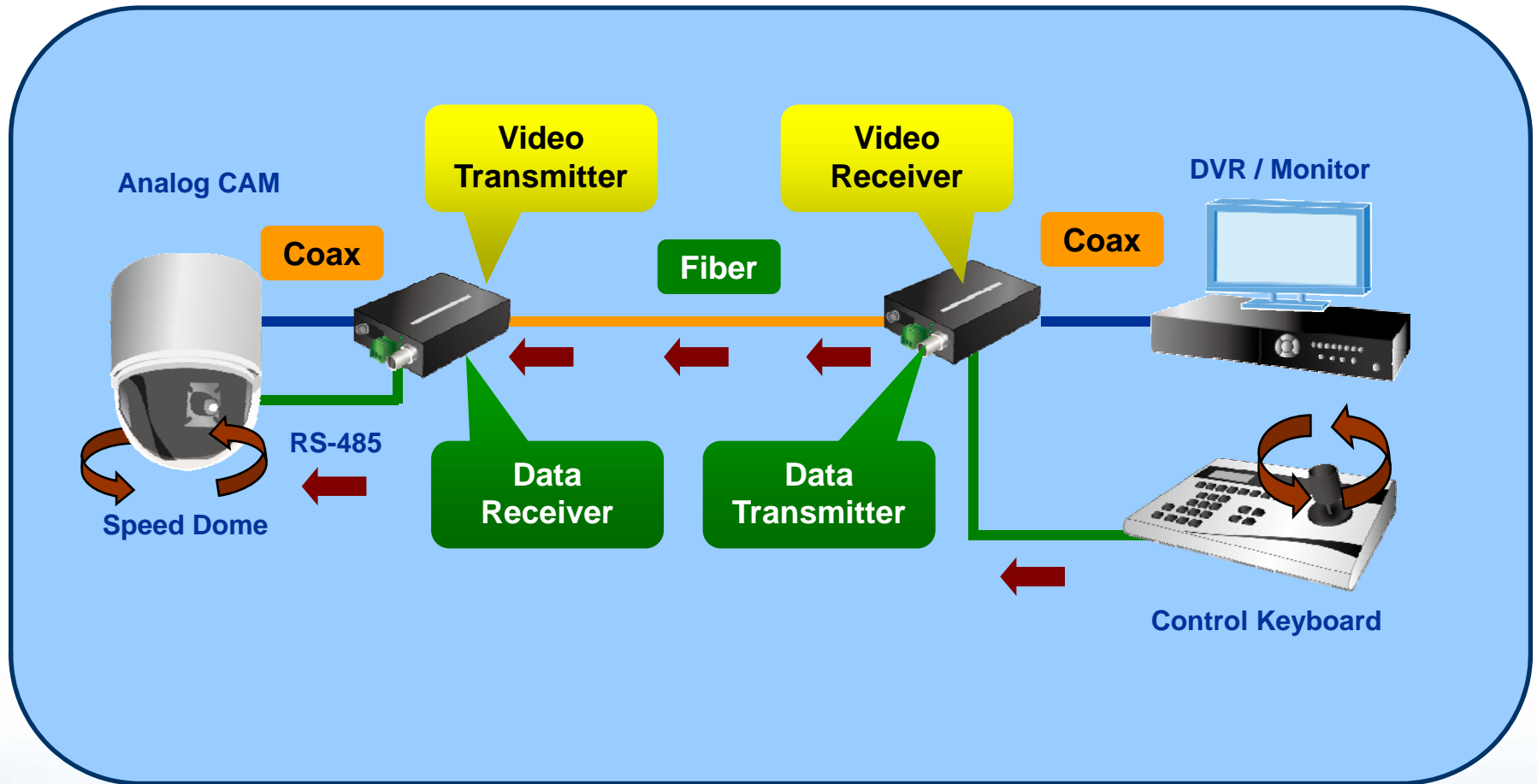
# Video over Fiber Application

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# Product Overview

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◆ Model: VF-102-T / VF-102-R



Rear Panel



TOP Panel



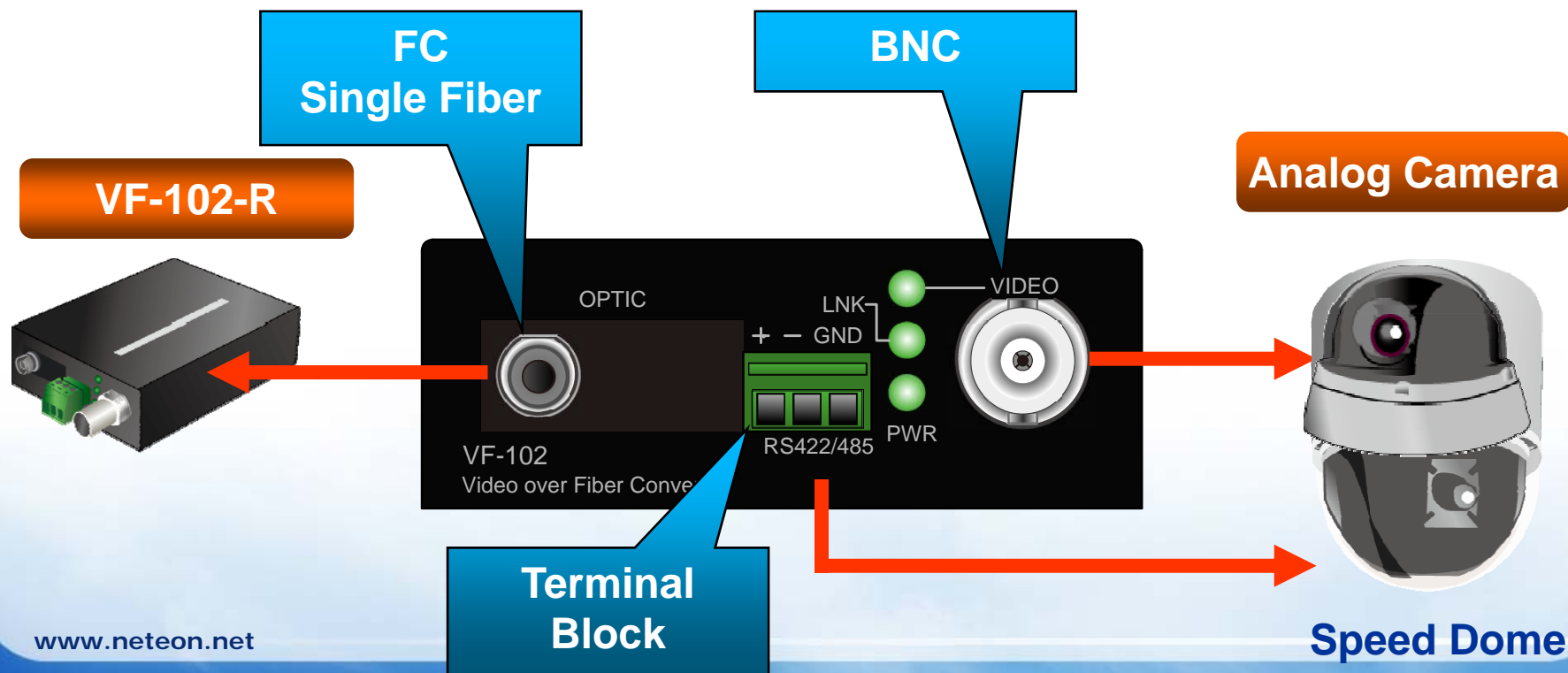
Bottom



Front Panel

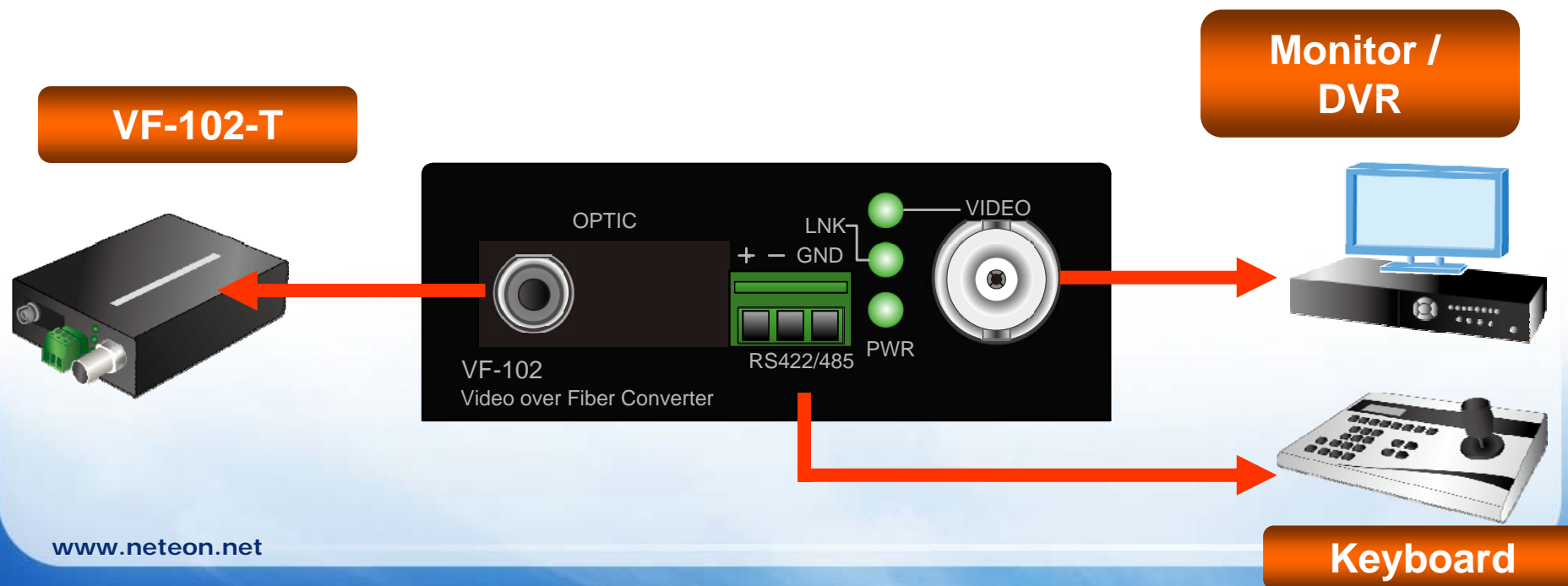
## ◆ Front Panel of VF-102-T

- **VIDEO**: 1 x **BNC** connector
- **OPTICAL**: 1 x **FC** type connector / Single Fiber / WDM
- **DATA**: 1 x 3-Pin **Terminal Block**
- **LEDs**: PWR, Optical link, Video link

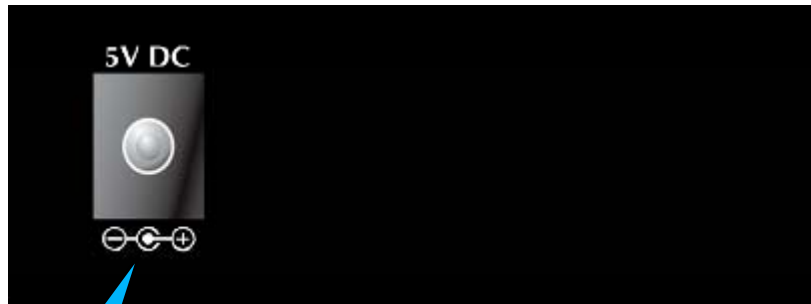


## ◆ Front Panel of VF-102-R

- **VIDEO:** 1 x **BNC** connector
- **OPTICAL:** 1 x **FC** type connector / Single Fiber / WDM
- **DATA:** 1 x 3-Pin **Terminal Block**
- **LEDs:** PWR, Optical link, Video link



- ◆ **Rear Panel of VF-1xx-T / VF-1xx-R**
  - 1 DC **5V** Power socket



**5V DC socket**

# Key Benefits

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**Long Distances**

Coaxial

→ 0.5km

Fiber

→ 20km

**Reliable Signal**

**High Video Quality**

**VIDEO + DATA**

**Adjustment Free**

## ◆ Video and Data over fiber transmission

### ■ VIDEO:

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

### ■ OPTIC:

- ✓ **SC/ST/FC** optical connector
  - A field mountable, pull-proof connector
- ✓ MM/SM/WDM
- ✓ **20km** max. transmission distance

### ■ DATA:

- ✓ Protocol: RS-485 for PTZ camera control

## ◆ System Design

- High-Speed synchronous digital transmission technology
- Safe transmission guaranteed under poor electromagnetic environment
- **Plug and Play** and **hot-swappable** design
- Standalone or work with **MC-700/1500/1500R** media converter chassis
- Compact in size, wall-mount design, easy installation
- **-10~60 Degree C** operating temperature

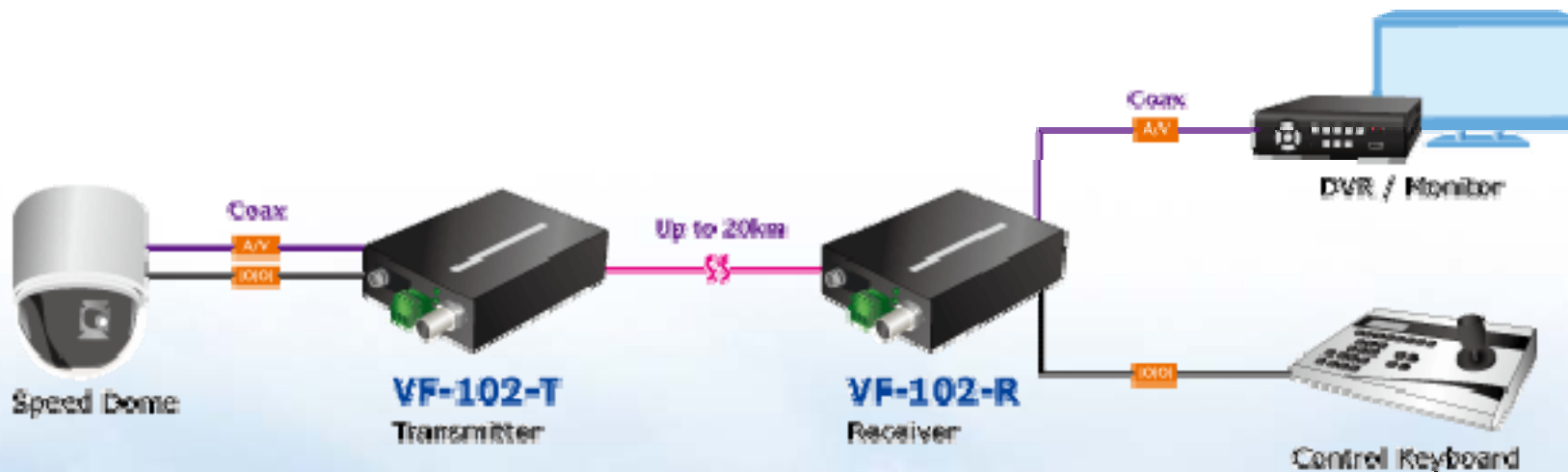
## ◆ Long Distances Analog Surveillance Transmission

- The VF-1xx-KIT consists of 1 channel video over fiber optical **transceiver** and **receiver** to transmit **video** and **RS-485** signal through a reliable **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-1xx-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 transmission.
- The transmitter and receiver can work **stand-alone** or slotted into a **rack-mountable media converter chassis**.
- The flexible and maintenance-free design fits with different installation environments.

## ◆ Video over Fiber Optic Transmission



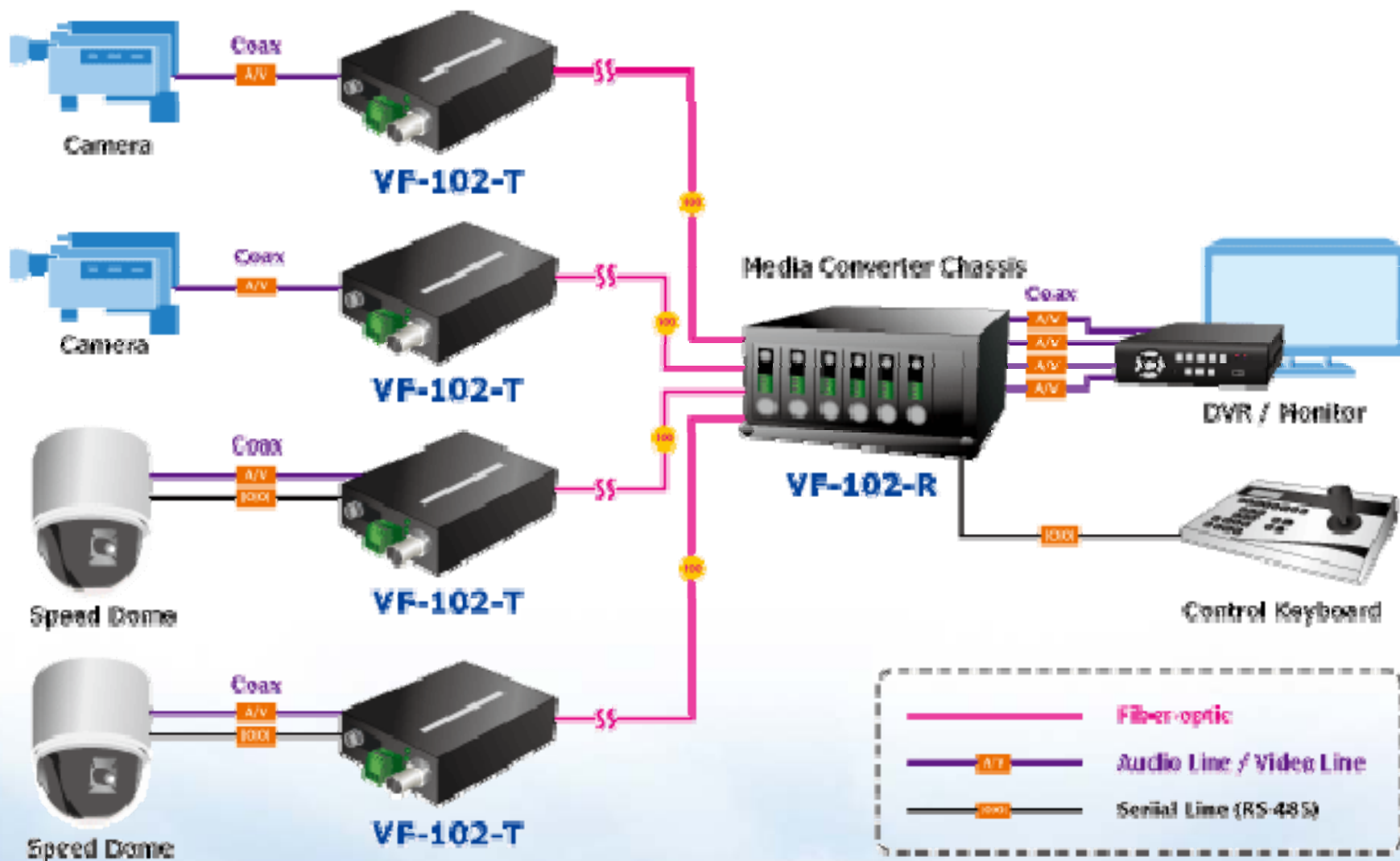
## ◆ Video+Data over Fiber Optic Transmission



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

# Application – Chassis Installation

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# Product matrix table

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Model name	VF-101-KIT	VF-102SC-KIT	VF-102-KIT	VF-102S15-KIT	VF-106-KIT
					
<b>Interface</b>					
<b>Video</b>	1	1	1	1	1
<b>Data</b>	1	1	1	1	1
<b>VIDEO</b>					
<b>Camera Connector</b>	BNC	BNC	BNC	BNC	BNC
<b>Video Digital Bit Width</b>	8 Bit	N/A	8 Bit	8 Bit	8 Bit
<b>Signal Mode</b>	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM	NTSC, PAL, SECAM
<b>OPTICAL</b>					
<b>Fiber Mode</b>	MM	MM	SM	SM	WDM
<b>Max. Distance</b>	2km	2km	20km	15km	20km
<b>Fiber Connector</b>	ST	SC	FC	SC	SC
<b>DATA</b>					
<b>Data Connector</b>	3-Pin Terminal Block	3-Pin Terminal Block	3-Pin Terminal Block	3-Pin Terminal Block	3-Pin Terminal Block
<b>Physical Protocol</b>	RS-485	RS-485	RS-485	RS-485	RS-485
<b>Hardware Specification</b>					
<b>Operating Temperature</b>	-10~60°C	-10~60°C	-10~60°C	-10~60°C	-10~60°C
<b>Chassis</b>	MC-700 / 1500 / 1500R	MC-700 / 1500 / 1500R	MC-700 / 1500 / 1500R	MC-700 / 1500 / 1500R	MC-700 / 1500 / 1500R

## Product Comparison - Competitor

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Brand	NETEON	Black Box
Model name	VF-1xx-KIT	FiberPath KIT AC444A
		
Interface		
Video	1	1
Data	1	--
VIDEO		
Camera Connector	BNC	BNC
Video Digital Bit Width	8 Bit	N/A
Signal Mode	NTSC, PAL, SECAM	NTSC, PAL, SECAM
OPTICAL		
Fiber Mode	MM / SM / WDM	Multimode
Max. Distance	20km	2.4km
Fiber Connector	SC / ST / FC	ST
DATA		
Data Connector	3-Pin Terminal Block	--
Physical Protocol	RS-485	--
Hardware Specification		
Operating Temperature	-10~60°C	N/A
Chassis	MC-700 / 1500 / 1500R	--

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