

A smart accessory for installer

Have problem with network length limitation and failed in 32 cameras' installation to surveillance system

Here our VDS2700 solves it



What's VDS2700

VDS 2700 is the video signal transmission system to transmit video, alarm, audio, RS-485 data and DC power via one coaxial cable.

VDS 2700 consists of remote unit and local unit respectively. The remote unit connects to a P/T/Z (pan/tilt/zoom) camera, the local unit connects to a monitor in surveillance system.

By using inter-carrier technology, VDS 2700 provides an innovative transmission method, simple installation and the highest quality picture transmitted for CCTV system.



Fig. 1 VDS 2700 Transmission Set



Features

1. Half duplex channel for EIA standards RS-485 interface port.
2. The range of RS-485 Transmission Rate is between DC and 38 Kbits
3. Great quality at video signal:
 - Real-time analogue video signals
 - No signal lost, No interference in video
 - No hum, No twist
4. Using 5C-2V (Japan Spec) coaxial cable :
Transmission distance can reach to 600M while sending the DC power 12V to P/T/Z camera via one coaxial cable.
Without sending DC power to camera via link coaxial cable :
Transmission distance can reach to 1,000M with connect to PTZ camera
5. Link Fault alert buzzer inside (Siren sound)
6. Built-in electrical transient voltage suppressor protection in the input and output
7. Link cable lightning protection:
Equipped with Gas Tube Arrester discharging high current inside the Local Unit Link-In and Remote Unit Link-Out.
8. Compact size, durable and reliable device.

Many companies declare that they can set up 32 cameras or even 128 cameras. Facing a lot of video, RS485 data and power supply lines, can you image the process of installation?

Contact

Biwave Technologies, Inc.
info@biwave.com

International Sales:

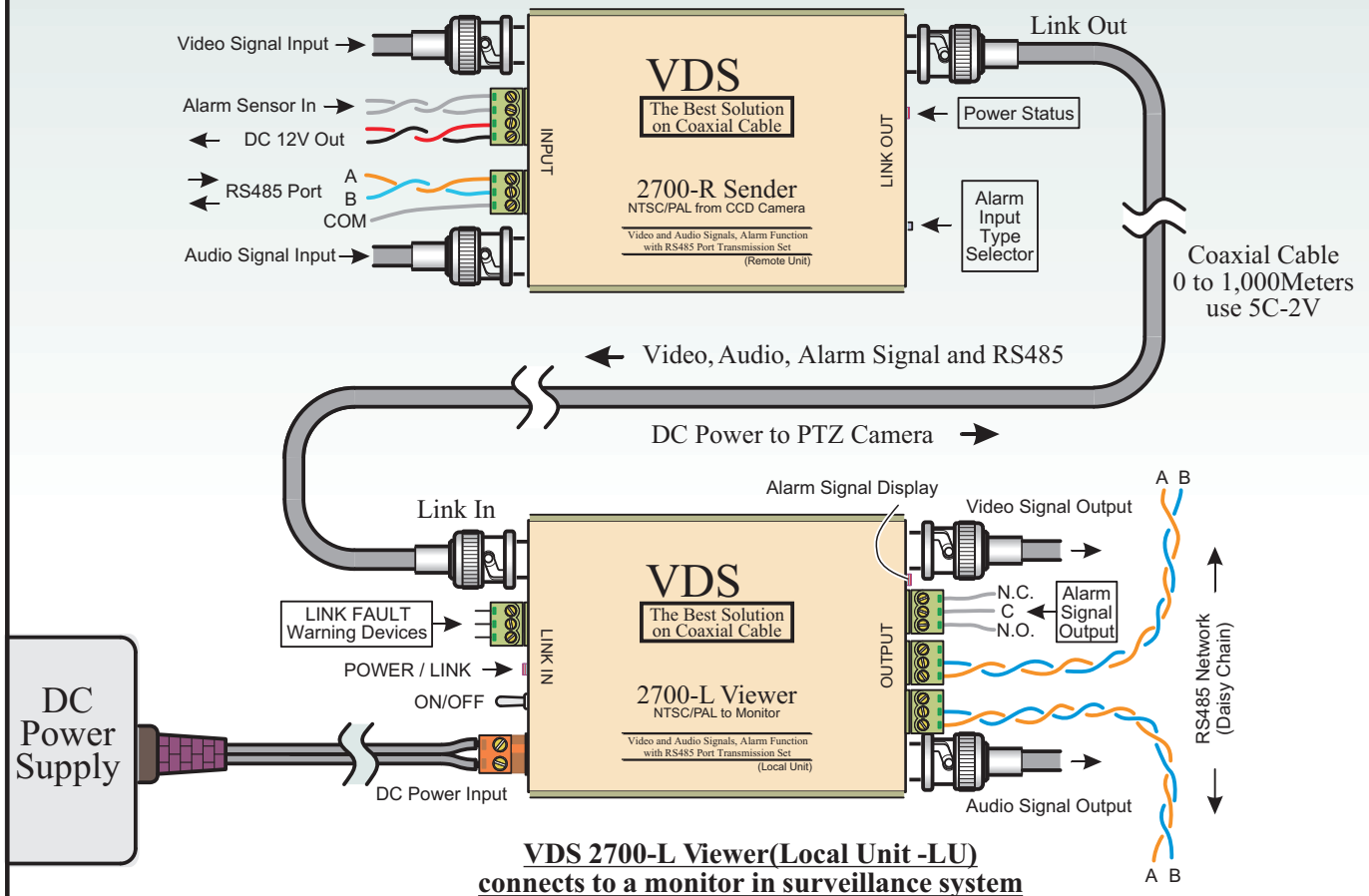
Phone: +886-2-2735-5511
Fax: +886-2-2736-5914

Engineering Facilities:

Phone: +886-3-377-0009
Fax: +886-3-367-3604

Fig. 2 VDS2700 Connection Diagram

**VDS 2700-R Sender (Remote Unit -RU)
connects to a PTZ camera**



Specification of VDS 2700

Specification

Sender, 2700-R Sender (Remote Unit -RU)

Electrical:

Video Input Signal: 1.0Vpp, 75Ω
 Bandwidth of Video Signal: 5.5MHz
 Audio input Signal: 3.0Vpp, 100KΩ, Max.
 Alarm Input Signal: N.C./N.O./Terminal 1,000Ω
 Power Output: DC12V, 1.2A, Max.
 RS-485 Data Rate: DC(0bps) to 38Kbps

Connection: (PTB= Plugable Terminal Block)

Video Input: BNC Socket
 Audio Input: BNC Socket/RCA Phono Socket Optional
 DC and Alarm: 4 Pin PTB, 3.5mm Pitch
 RS-485 Port: 3 Pin PTB, 3.5mm Pitch
 Link Out: BNC Socket

Mechanism:

Dimension: 100.0mm(L) x 75.0mm(W) x 26.75mm(H)
 Net Weight: 225gm

Model Information

VDS 2700 Video, RS-485, Audio and functional Alarm
 VDS 2710 Video, RS-485, Audio and Simple Alarm
 VDS 2720 Video, RS-485 and Audio
 VDS 2730 Video and RS-485

Viewer, 2700-L Viewer (Local Unit -LU)

Electrical:

Video Output Signal: 1.0Vpp, 75Ω
 Bandwidth of Video Signal: 5.5MHz
 S/N ratio of Video Signal: 50dB
 Gain of Audio Output: 0dB ±3dB, 600Ω
 Bandwidth of Audio Signal: 50Hz to 10KHz
 S/N Ratio of Audio Signal: 46dB
 RS-485 Data Rate: DC(0bps) to 38Kbps
 Alarm Output: N.C./N.O., Contact Rating 1A, 30VDC
 DC Power Input: 40V±2V
 Max. DC power Output: 38V, 1.4A, Min.
 Link Fault Output: 0.15A, Min.

Connection: (PTB= Plugable Terminal Block)

Link In: BNC Socket
 Link Fault: 3 Pin PTB, 3.5mm Pitch
 DC Power Input: 2 Pin PTB, 5.0mm Pitch
 Video Output: BNC Socket
 Audio Output: BNC Socket/RCA Phono Socket Optional
 Alarm Output: 3 Pin PTB, 3.5mm Pitch
 RS-485 Port: 3 Pin PTB, 3.5mm Pitch (2 Set)

Mechanism:

Dimension: 100.0mm(L) x 75.0mm(W) x 26.75mm(H)
 Net Weight: 210gm

Safety recognition of VDS 2700

EN 55022
EN 61000-3
EN 61000-4

VDS 2500: 2 videos and 2 alarm signals transmission system

Easily transmit two video and two alarm signals by connecting 2 cameras

VDS 2500-R Sender(Remote Unit) / 2500-L Viewer(Local Unit)

This video signal transmission system is designed to transmit two video signals and two alarm signals from two cameras to reach the surveillance control room by using only one coaxial cable.

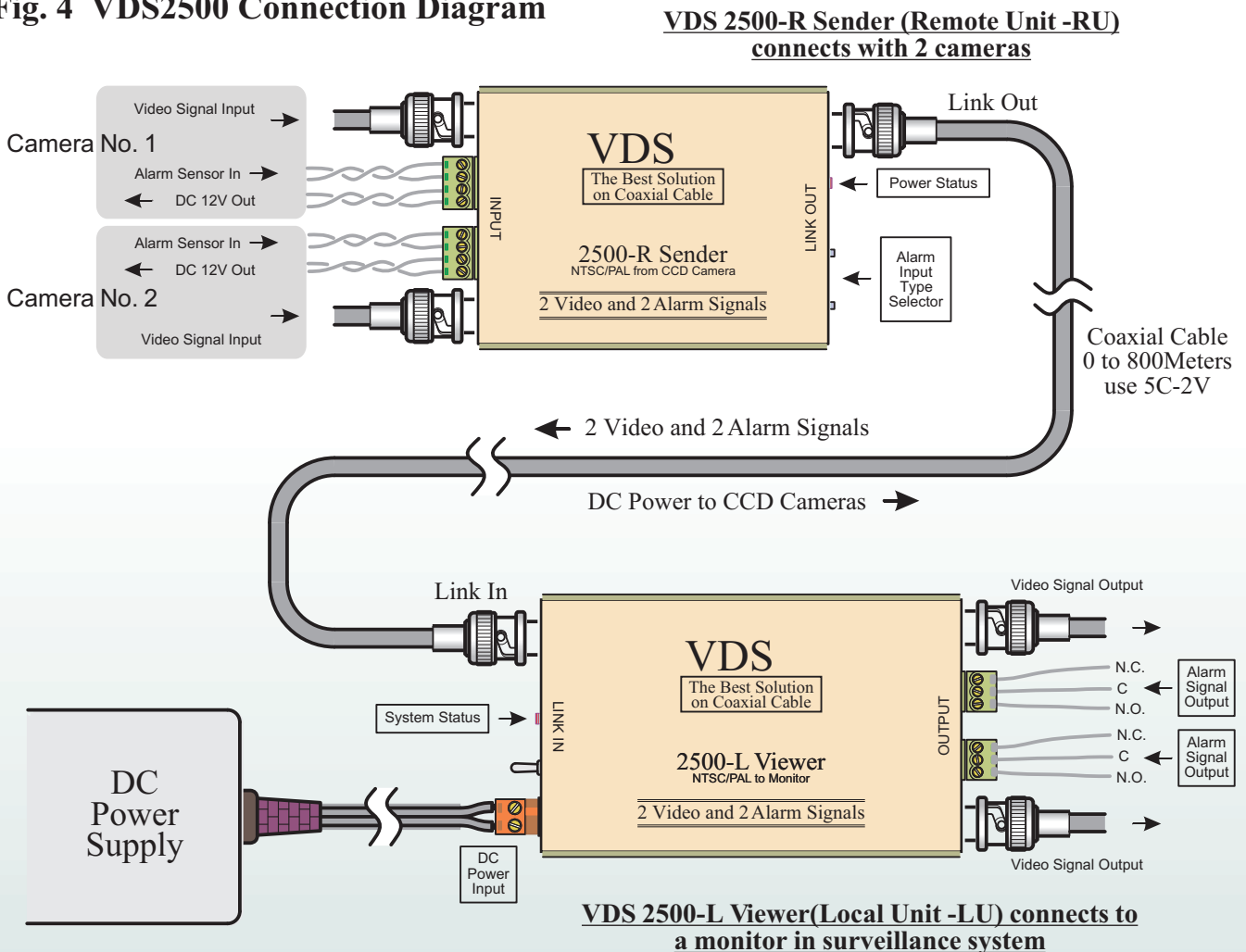
Features

- Two videos and two alarm signals transmission channels.
- Sending DC power with 1.0 amp from Viewer to Sender for 2 cameras reaching to 800M transmission length.
- Selecting NC(Normally Close) or NO(Normally Open) or Terminal Type from Input Alarm sensor contact mode directly.
- AC to DC power supply provides stable and sufficient 12VDC power to 2 cameras.
- Advanced power supply system in Sender provides stable and sufficient power of 12VDC to 2 cameras.
- Powerful protection. While there is Link Fault or disconnection in the cable, the Viewer will not continue to send DC power to the Sender to prevent all equipments from damaged.
- When the coaxial link false happened, the Link Fault warning signal can be conveyed to the external indicator of Viewer.
- Audio signal transmission function equipped on VDS2510.



Fig.3 VDS2500 Transmission Set

Fig. 4 VDS2500 Connection Diagram



Low cost for VDS 2100/2200

No lost signal, Innovative, Superior performance, Low cost

VDS 2100-R sender(Remote Unit -RU) VDS 2200-L viewer(Local Unit -LU)

The VDS transmission system transmits real-time video, audio signal and feeds DC power to CCD camera only through one coaxial cable. This feature enables to install and use in all kinds of indoor circumstance.



Remote Unit

Advantages

- Completely transmits picture and sound in real-time, using One coaxial cable
- Transmitting AV

signals over long distance easily

- Rugged and compact size
- Easy to install and easy to use



Local Unit

Features

- High efficiency
- Light weight and small size
- Adjustable DC voltage Input
- Sufficient and stable DC current out(0.5A)

VDS 2100/2200 has been used frequently in the surveillance equipment market.

VDS 2800 Transmission Set

An economic and ideal product combines the functions of VDS 2500 and the VDS 2100/2200

- Transmitting video, audio and alarm signals
- Long distance transmission over 1,000M with high signal quality
- DC power 12V is supplied from Local Unit
- Compact size, Rugged device

VDS 3100 Remote Unit Module

This module is designed to be put into the CCD camera and works together with VDS 3100-L Viewer (Local Unit - LU)

- Small size, 33mm(W) x 20mm(H) x 44mm(L)
- Video, Audio and Alarm transmission
- Output DC12V for CCD camera

Biwave Technologies offers the Best Solutions on Single Coaxial Cable

Contact

Biwave Technologies, Inc.
info@biwave.com

International Sales:

Phone: +886-2-2735-5511
Fax: +886-2-2736-5914

Engineering Facilities:

Phone: +886-3-377-0009
Fax: +886-3-367-3604