

Power - Video - Data - Audio Over a Single Coax Cable !!!!!

	Part Numbers		
	VDS2100 / 2200	VDS2500	VDS2700*
Camera Power	12 VDC, 500ma	12 VDC, 2 X 500ma	12 VDC, 1.2 A
Video	1	2	1
Audio	1	-	-
Alarm	-	2	-
RS485 for PTZs	-	-	1
Max Distance	1200 Feet	1800 Feet	1800 Feet (3000 Feet if you don't send power)

The part numbers above represent a kit, i.e., a transmitter and a receiver packaged together in one box. Pricing is always per kit. Other configurations are available.
*Special order, not stocked by Security Camera World at present.

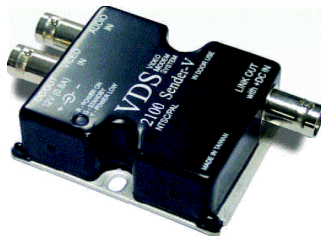
VDS 2100/2200

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

***This is the basic kit.
Use this for cameras requiring
up to 500ma at 12 VDC***



Local Unit

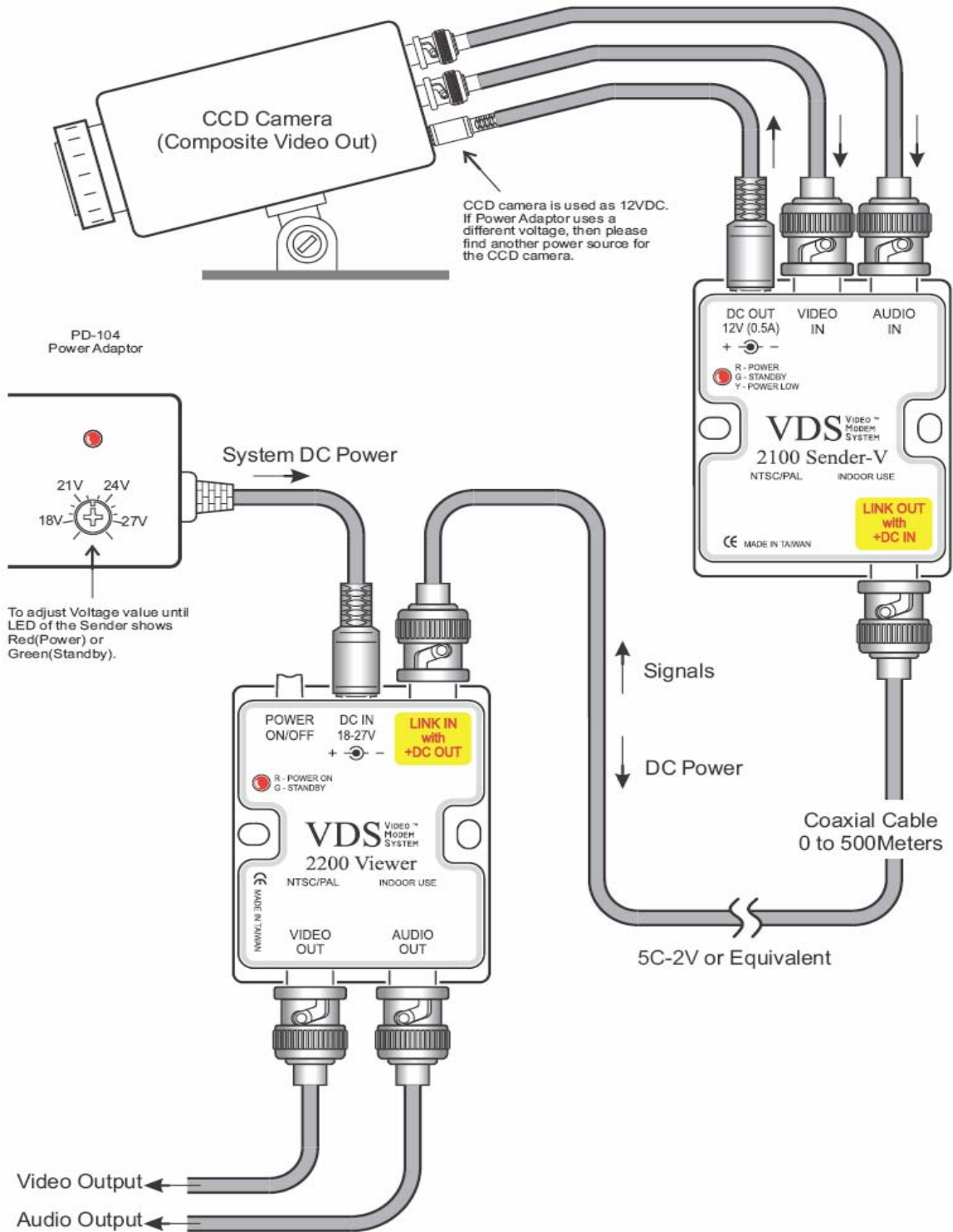


Remote Unit

Advantages

- One cable transmits video, audio and power
- Transmits pictures and sound in real time using one coax cable.
- Transmits power and video over long distances
- Rugged housing and compact size
- Easy to install and easy to use
- Adjustable DC voltage input
- Stable DC current out (0.5A)

Connection of VDS2100 Sender and VDS2200 Viewer



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.

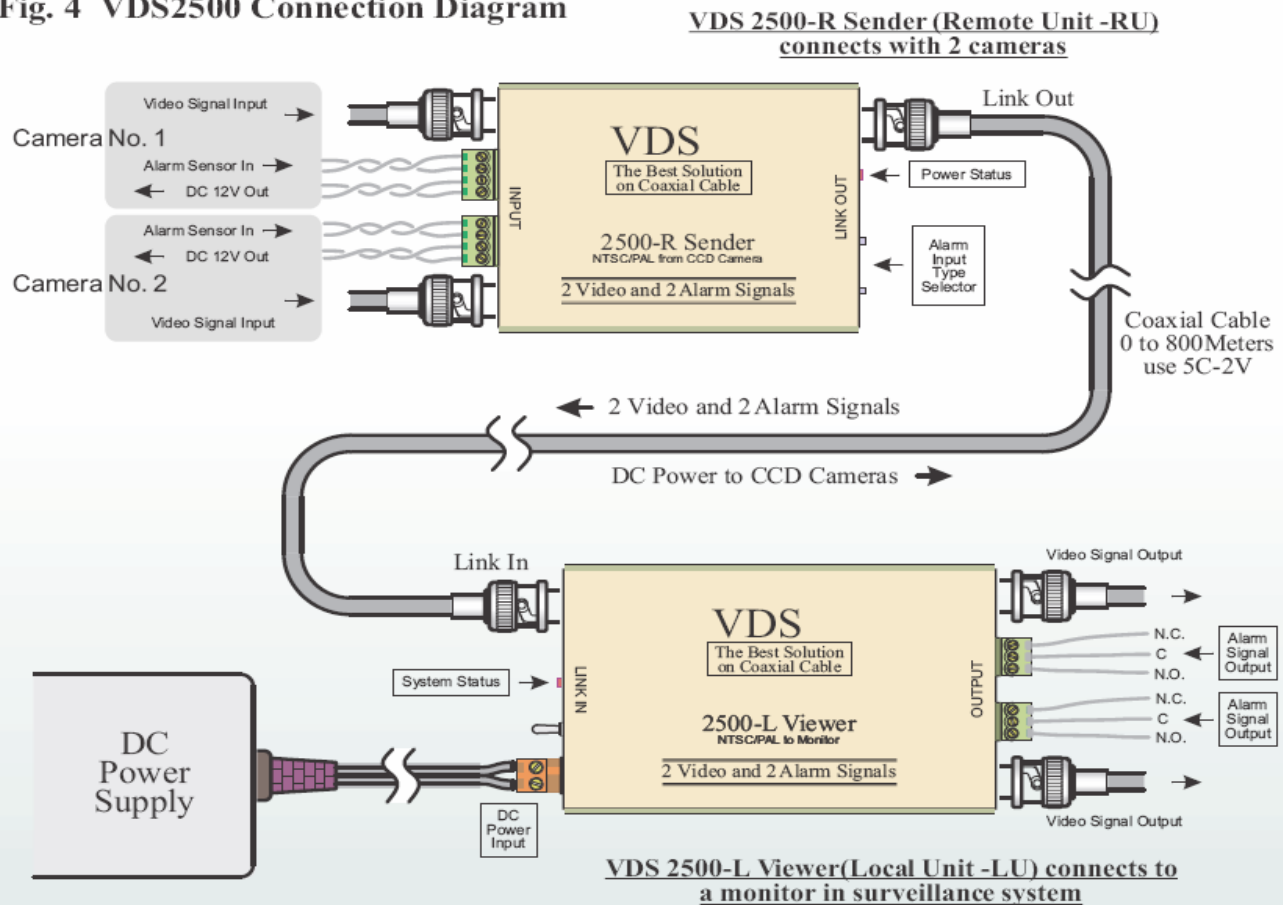
Features

- 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



VDS

VDS2700

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

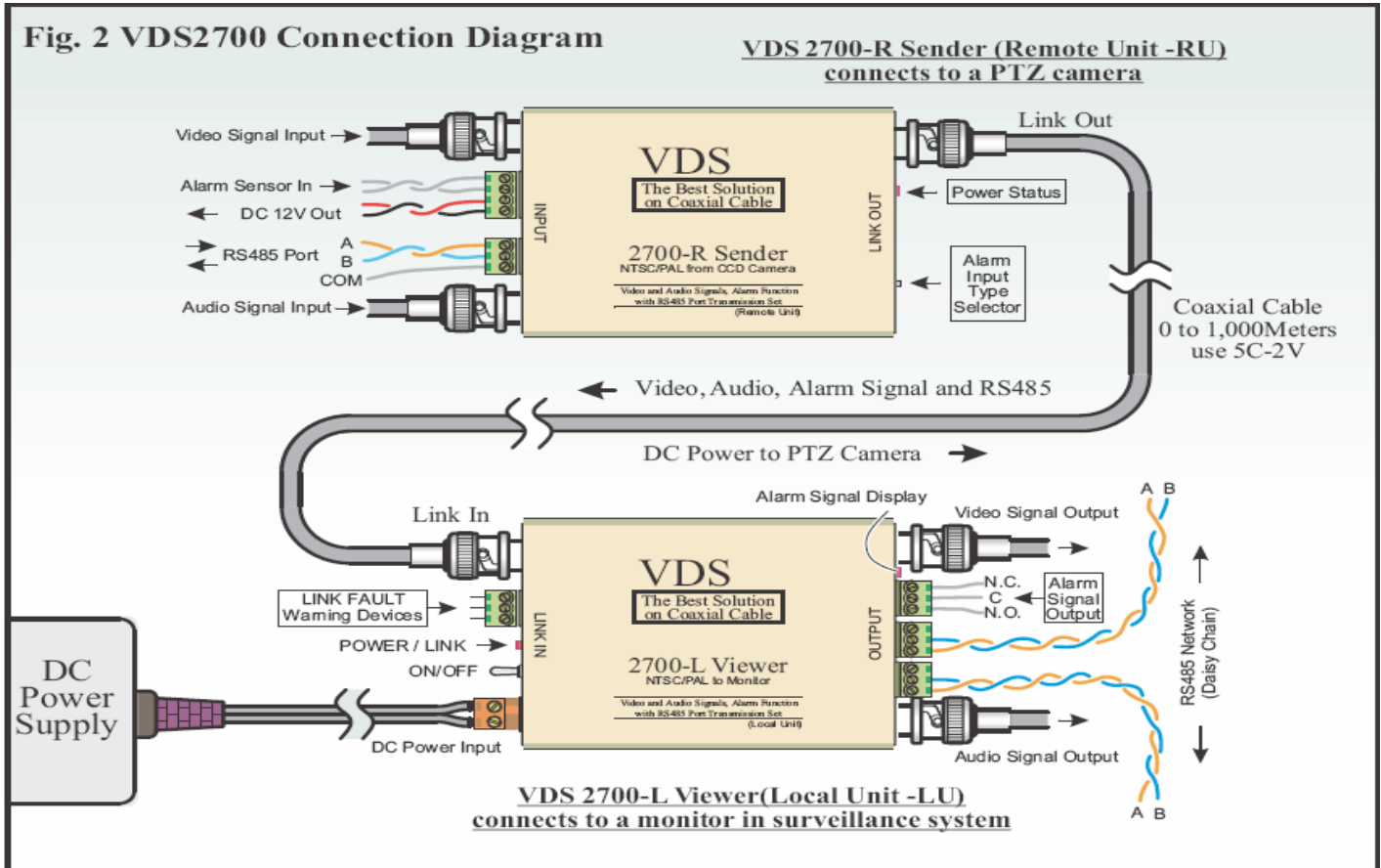
VDS 2730 consists of remote unit and local unit respectively. The remote unit connects to a P/T/Z (pan/tilt/zoom) camera and the local unit connects to a monitor or DVR in a surveillance system. By using inter-carrier technology, VDS 2730 provides an innovative transmission method, simple installation and the highest quality picture transmitted for a CCTV system.



FEATURES

1. Half duplex channel for EIA standard RS-485 interface port.
2. The range of RS-485 Transmission Rate is between DC (0 bps) and 38 Kbits
3. Great quality of 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 600M while sending the 12VDC power to a P/T/Z camera via one coaxial cable.
Without sending DC power to the camera via the coaxial cable link, :transmission distance can reach 1,000M .
5. Link Fault alert buzzer (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.

Fig. 2 VDS2700 Connection Diagram



Specification of VDS 2700

Specification

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

Electrical:

Video Input Signal: 1.0Vpp, 75 Ω
 Bandwidth of Video Signal: 5.5MHz
 Audio input Signal: 3.0Vpp, 100K Ω, 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, 75 Ω
 Bandwidth of Video Signal: 5.5MHz
 S/N ratio of Video Signal: 50dB
 Gain of Audio Output: 0dB ±3dB, 600 Ω
 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