

# 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



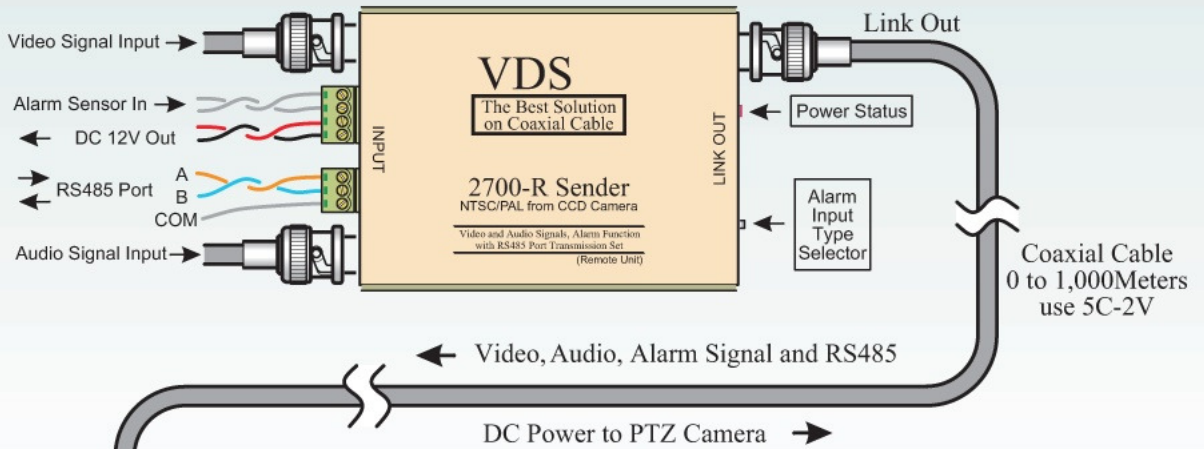
## Features

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.

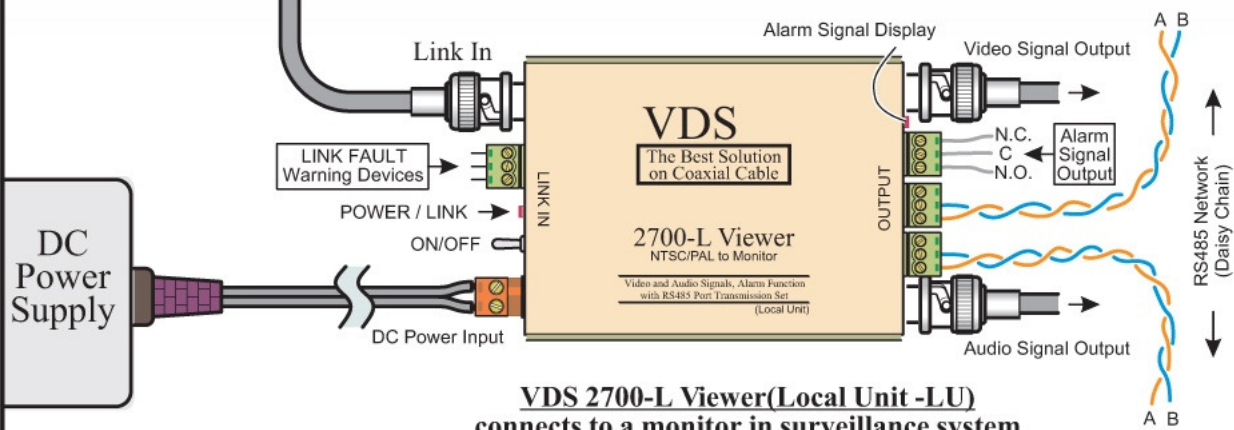
*Many companies declare that they can set up 32 cameras or even 128 cameras. Facing a lot of video, RS485 data and power supply lines, can you image the process of installation?*

**Fig. 2 VDS2700 Connection Diagram**

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



**VDS 2700-L Viewer(Local Unit -LU)**  
connects to a monitor in surveillance system



**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