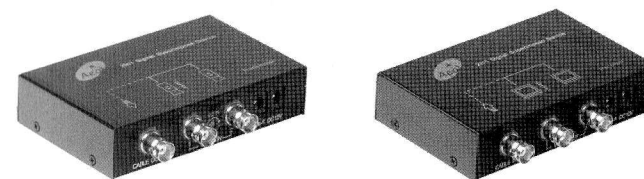


## 7、 Common Faults and Solutions

Failure	Possible Cause	Solution
After installation, only shows 1-way video signal	1, superimposed input and output termination anti 2, the power did not pick a good 3, the video signal source in question	1, confirm the signal input and output connections are correct 2, a re-examination before the back-end equipment, power connections, if necessary, replace the power supply
Overlay control signal, only display video signals, don't control	1、 Superposition of input and output termination wrong? Or Control signals not connected to the "2" 2, the signal input and output ports being exposed? 3, the control signal is set correct?	1, confirm the signal input and output terminal is connected correctly 2, check the input and output side of the connector to ensure proper connection 3, re-set the PTZ control parameters
After installation, no video signal output	1, the transmission distance is too long 2,Cable is open circuit (or short)? 3, equipment damage	1, confirm transmission cable distance did not exceed limits 2, check the coaxial cable 3, replacement of equipment

## 2In1 Signal Superimpose device



### 1、 Product Overview

This product is targeted to increase video surveillance system monitoring points, engineering, reconstruction and construction of new projects difficult to develop a new product. The use of frequency multiplexing and signal stacking technique, To a video signal into a frequency modulated signal and then overlay to the other video (or control, or audio) signal in, Simultaneous transmission through coaxial cable. To use the original video coaxial cable to achieve surveillance video image point of expansion. To save the construction wire and reducing construction difficulty, It is the product of choice for transformation of the old works.

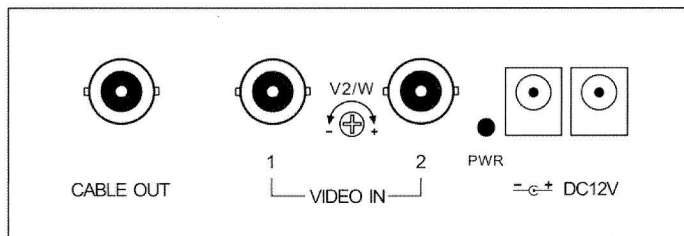
### 2、 Features

- ◆、 Superimposed signals option flexible, convenient: According to project the actual situation, One coaxial cable can transmit 2-way video signals Or one way video and one way RS485 control signals or one video and one audio signals
- ◆、 Supports all communication protocols of the transmission
- ◆、 Use of advanced technology solutions and performance of integrated chips, To ensure that equipment can be a long period of stable jobs.
- ◆、 Using pluggable design, loading and unloading easy, plug and play, support hot swap.
- ◆、 Full aluminum alloy metal shell, beautiful and generous, shielding its high heat resistance.
- ◆、 Simple construction, easy installation, to avoid debugging.

### 3、 Specifications:

- ◆、 Nominal input and output level: 1Vp-p
- ◆、 Nominal input and output impedance: 75Ω
- ◆、 RF Output Level: 108db
- ◆、 Voltage: DC 12V±5%
- ◆、 Working Power: Transmitter: 2W Receiver: 2W
- ◆、 Temperature: -40℃ ~ + 50℃
- ◆、 Size (mm): 114(W)\*71(D)\*26(H)

### 4、 Transmitter Schematic:



◆、CABLE OUT: With the coaxial cable connected to the signal output BNC interface

◆、DC12V: Operating voltage input interface

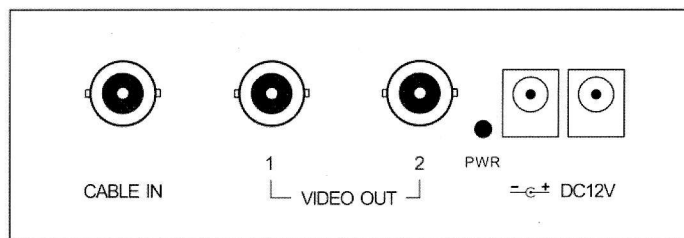
◆、VIDEO IN 1: video signal input BNC interface (or control signal output interface, or audio interface)

◆、VIDEO IN 2: video signal input BNC interface

◆、PWR: Work lights

◆、V2/W: Video input amplitude adjustment.

#### 5. Receiver Schematic:



◆、CABLE IN: With the coaxial cable connected to the signal input BNC interface

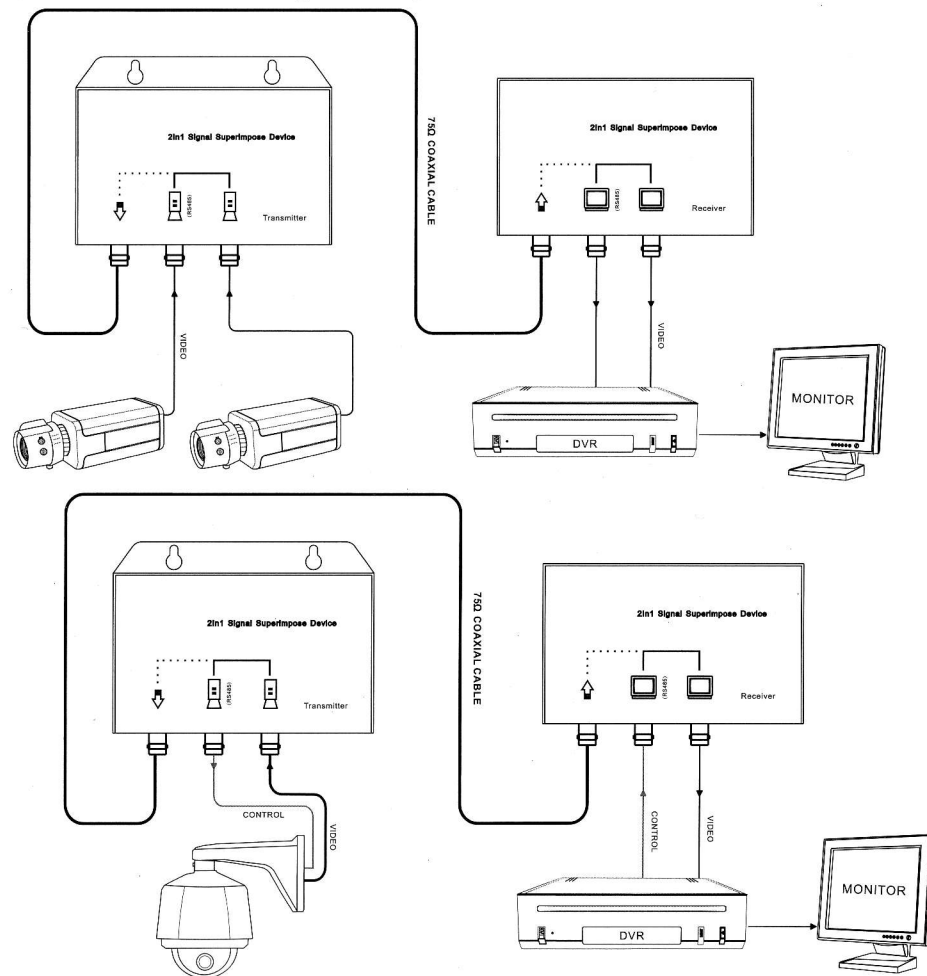
◆、DC12V: Operating voltage input interface

◆、VIDEO OUT 1: video signal output BNC interface (or control signal input interface, or audio interface)

◆、VIDEO OUT 2: video signal output BNC interface

◆、PWR: Work lights

#### 6. Devices to connect steps and diagram:



◆、Superimposed the signal is connected in series in the video coaxial cable transmission line into, Signal input terminal and the camera (or decoder), and so connect, Signal output terminal connected with the VCR or other devices.

◆、Superposition of the signal input and output side of the two signals must correspond to. Overlay control (or other) signal when the device must be connected to the superposition of the "2" input and output port.

◆、Properly adjust the side of the video signal input range adjustment knob, So "1" video image satisfaction.