

## Video Multiplexer Operation Instruction

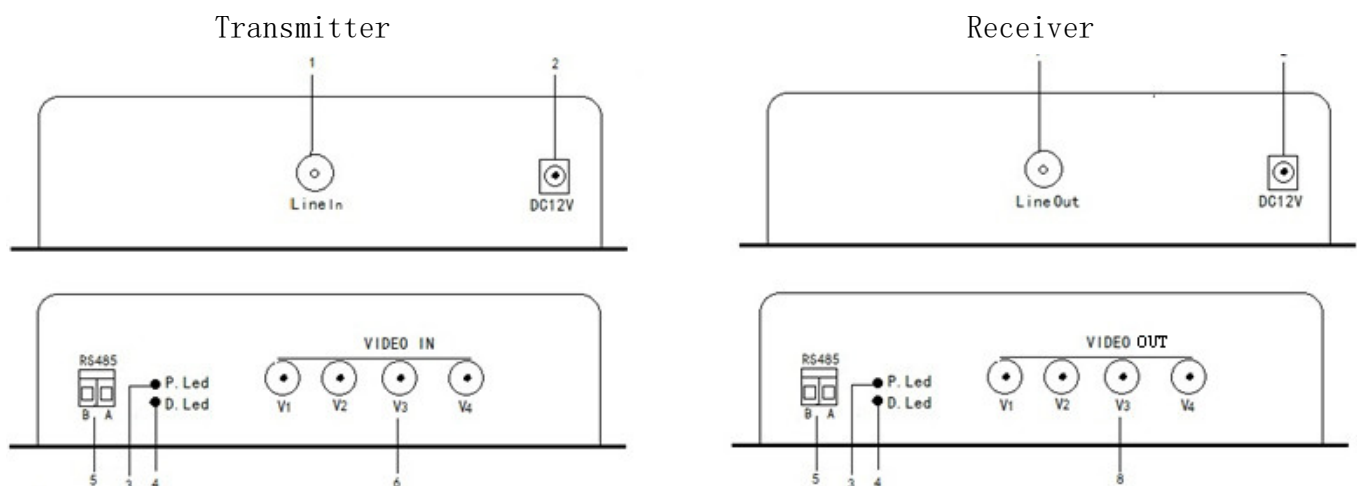
Welcome to use our products Video Multiplexer.

### 1. Introduction

This product bound the video signal of the camera and the control signal of RS485 reverse controller in one coaxial cables transmission. It use frequency division multiplexing technique, which means the control signal and video signal in different frequency modulation, and composite together transmission,. It can transmit four channel homonymous or reverse transmission video signal and RS485 control signal in one cable , It can transmit 600 meters by using common video cable, which can enhance the utilization rate of cable, also it has many characteristics, such as a clear image, easy for installation and so on.

It has solved control signal transmission over a long distance, greatly extended video signal transmission distance. The transmission way save material and cost, construction is convenient, without debugging, stable, reliable, etc. System extension and transformation is more flexibility. It is an ideal equipment of control signal transmission

### 2. Panel Structure Chart



**3. Port Declare:** 1-Line in (connected Receiver Line out) : 2-DC12V power supply; 3-Data led ; 4-Power Led; 5-Transmitter RS485 connected decoder, receiver RS485 connected keyboard; 6-Video in connected camera, 7-Line out (connected Receiver Line in) ; 8-Video out connected Monitor or DVR.

### 4. Product Features:

1. New project using the equipment, can use the homonymous cable of two video into a video cable to use, save cable usage;
2. In the project of reconstruction, additional point can be closed to the access;
3. Special usage, video signal and data signals bound in a single cable common transmission, without additional data cablecloth ( Note: The data signal is the data from the plug-in board composition, were installed in the transmitter and receiver inside, the

- user can choose according to need plug, so easy to use, saving the RS485 transmission wire);
4. Suitable for a variety of Pan Tilt control or without Pan Tilt remote control video signal and data control signals of common cable transmission;
  5. The video cable can also be achieved in the long distance RF cable;
  6. Built-in anti-static protection circuit (adopt semiconductor components with anti-break) signal isolation modules, the main control room equipment, effective protection against external static;
  7. Modular design and installation;
  8. Four-channel coaxial bi-directional video transmission;
  9. The transmission distance (SYV75-5 coaxial cable can transmit 500 meters all the way, another channel to transfer 1,200 meters) while maintaining the image to four effects;
  - 10 Non-debug, adaptive: as long as the transmission distance range, the device will automatically adjust their targets;  
to ensure that the circuit can be compatible with the most distant from the adaptive to achieve the best results, anti-jamming ability, stable and reliable;
  - 11 Using the frequency reuse can be effectively against all kinds of interference;
  12. Full real-time image transmission, no dropped frames without delay, broadcast images instructions;
  - 13 Simple wiring structure, easily obtained, low cost, simple construction, reduced working hours;
  14. The product uses SMT installation process, ensure its stability;
  15. The receiver is adjustable video brightness potentiometer, usually don't touch it

## 5. Adjustment Method.

This products can be used after connecting power, without any debugging.

### Attention:

- $L \leq 500\text{m}$ ;  $l \leq 500\text{m}$ ;  $(l_1 + L) \leq 500\text{m}$ ;
- Before using this equipment, please carefully read the description of the device;
- Installation in strict accordance with regulations;
- Note that the equipment is waterproof, moistureproof, and handle with care;
- Please use stable power supply voltage DC12V;
- Please install the appropriate height to avoid damage, electric shock;
- Before plug-in power, please according to the panel chart shown below, connect the cable carefully;
- Check whether the connection cable firm, in case contact undesirable;
- Equipment failure, do not open without authorization , please contact the after-sale service department;