

SLCT/R-2A Series Instruction Manual

Overview

SLCT/R-2A is a pair of 10/100Base-TX Ethernet plus CVBS (composite video baseband signal) over coax converters. It completely complies with the international standards such as IEEE 802.3 10Base-T, IEEE802.3u 100Base-TX, and IEEE 802.3X.

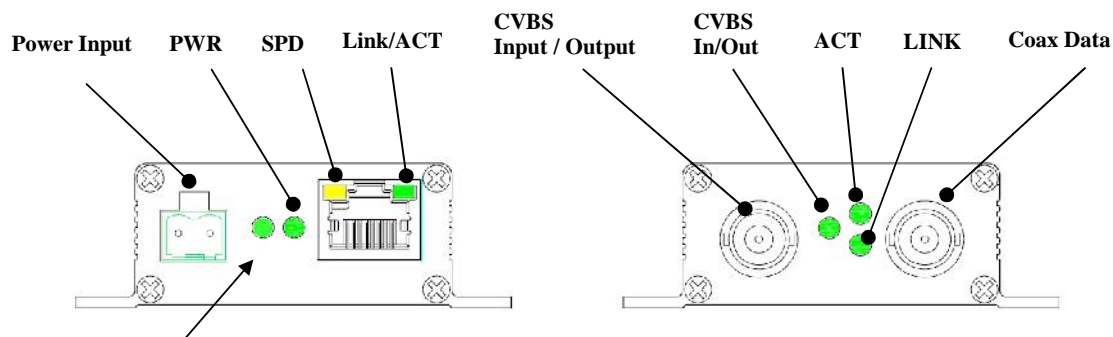
The product series consists of a transmitter (SLCT-2A-T) and receiver (SLCR-2A-R). The maximum transmission distance of a coaxial cable is 300m. The SLCT/R-2A series products can transmit not only the existing CVBS over the coaxial cable, but also the IP signals of network products (e.g. IP cameras) at the same time. With SLCT/R-2A series products, it is a cost effective way to upgrade the analogue video surveillance system to workable with the IP cameras to the video surveillance system without laying the cable again.

Package Content

- Transmitter (SLCT-2A-T) or Receiver (SLCR-2A-R) of Ethernet Extender over Coaxial Converter x1
- Power Adapter x 1
- Instruction Manual

Physical Description

Front/Rear Panel



Led not used

Installation

a) The product has two mounting holes. See Figure 1 for its structure. Mount the product on wall or a flat surface.

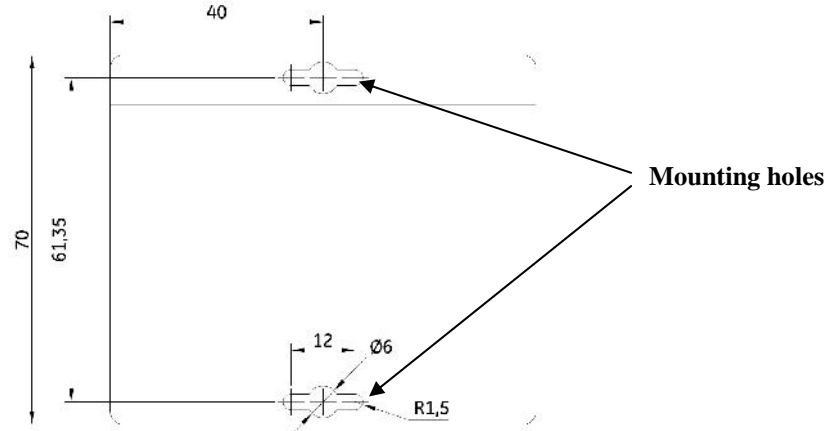
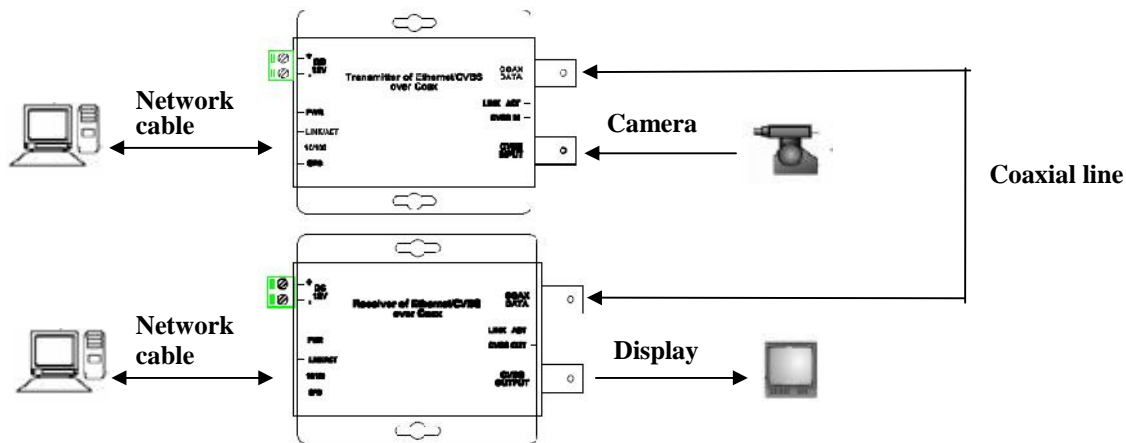


Figure 1. Case dimensions

b) Typical cable connection diagram:



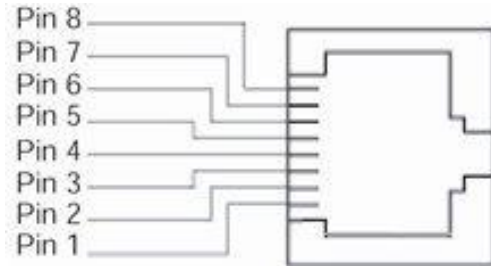
Installation Steps

- Connect the COAX DATA connector of the transmitter (TX) and receiver (RX) with coaxial cable.
- At TX side, connect the analogue camera video signal to the CVBS INPUT connector with coaxial cable, the IP camera signal to the Ethernet port (10/100) with network cable.
- At RX side, connect the monitor to the CVBS OUTPUT with the coaxial cable, the NVR/switch to the Ethernet port (10/100) with network cables to the switch or PC.
- The PWR light is on when the product is powered on. Check if the power cable is working properly.
- After all cables are correctly connected, the indicators will be lit as per port status LEDs (page 4).

Ethernet Port:

a) Ethernet port RJ45:

10/100M Ethernet port pin sequence diagram:



Pin	MDI Signal Definition	MDIX Signal Definition
1	TD+	RD +
2	TD-	RD-
3	RD +	TD+
4	NC	NC
5	NC	NC
6	RD-	TD-
7	NC	NC
8	NC	NC

Power Connection



- +

12VDC	-	GND	Terminal Block
	+	12V	

The Port Status LEDs, dimension drawing of the Micro unit

Indicator		Color	Description
PWR		Green	Power on.
		Off	Power off.
COAX DATA	LINK	Green	The COAX DATA link (between TX & RX) is established.
	ACT	Flashing	Data is being transmitted or received. ACT Stands for Activity.
CVBS IN (TX only)		Green	Video input
CVBS OUT (RX only)		Green	Video output
10/100 (Ethernet)	SPD	Orange	100Base-TX
		Off	10Base-TX
	LINK/ACT	Steady	A valid network connection is established
		Flashing	Data is being transmitted or received. ACT Stands for Activity.

The dimension drawing shows the physical layout of the Micro unit. The top view is a rectangle with a total width of 96.81 mm and a total height of 70 mm. A green LED is located on the left side, with a vertical distance of 61.35 mm from the top edge. On the right side, there are two circular ports, each with a diameter of 12 mm. The bottom edge features a cutout with a width of 25 mm and a depth of 12 mm. The side view shows a height of 23.6 mm and a base width of 1.8 mm.