CAT5 VGA & Data Extender

ITEM NO.: VD01

VD01 is designed for VGA +RS232 data signal over cost effective CAT5 cable to instead of VGA and Data cable. Used in pairs, the VGA & Data Extender is used in home or commercial applications as a smart, fast and cost-effective, eliminates costly and bulky VGA and DATA cable, allowing users can broadcast their video image or control a projector or any other RS-232 device at a remote location. Ideal for sending video images to a projector and controlling it from you desk. Perfect for touch screen or auto control equipment application.

VD01 CAT5 VGA & Data Extender
Features:
● **Send VGA and RS232 Data over 2 CAT5 cable instead of VGA cable and data cable.**
● Each set including transmitter and receiver.
● **Up to 135 meters via 4 pairs CAT5 STP cable instead of VGA cable.**
● Supports up to 1280x1024 pixels.
● Application for sending Video images to a projector and controlling it from your desk
● Perfect for touch screen and auto control equipment application.

Installation:

Recommend Cable:
1. CAT5e UTP/STP or Cat6 UTP cable.

2. There are some certain models or brands of monitors with very high demand at sync-sensitive, recommend use STP (shielding twisted pair) cable to instead of UTP (unshielded twisted pair) cable.

RJ45 Pin Configuration: TIA/EIA 568B Wiring standard

1. Orange-white   **Red +**
2. Orange   **Red -**
3. Green-white   **H-Sync**
4. Blue   **Green +**
5. Blue-white   **Green -**
6. Green   **V-Sync**
7. Brown-white   **Blue +**
8. Brown   **Blue -**

VD01
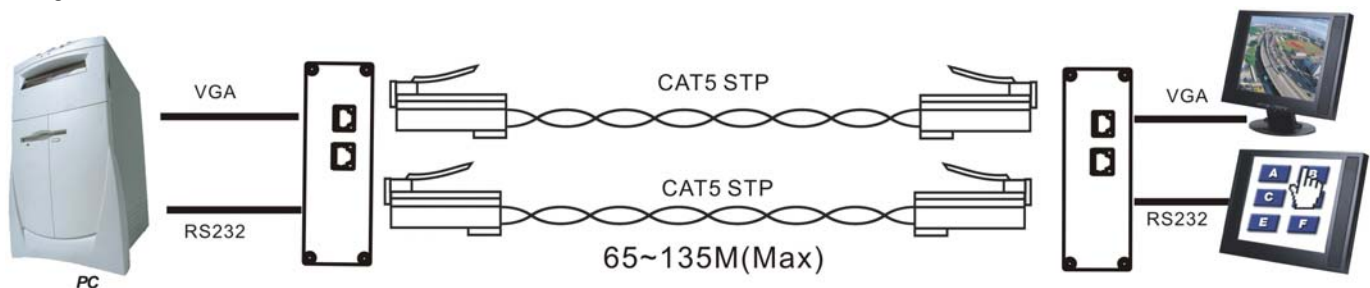
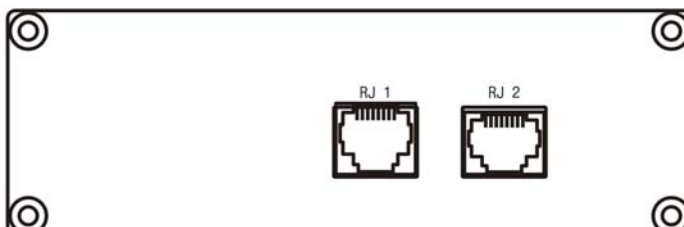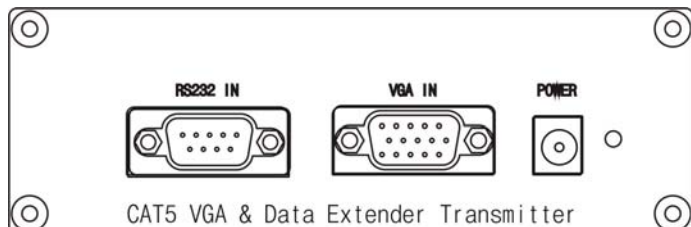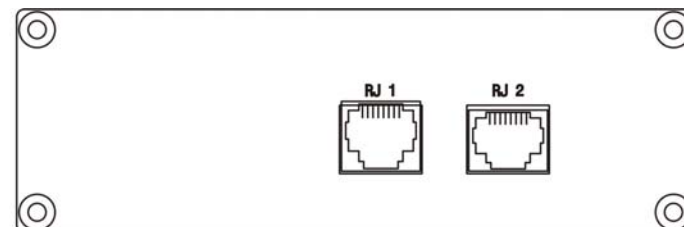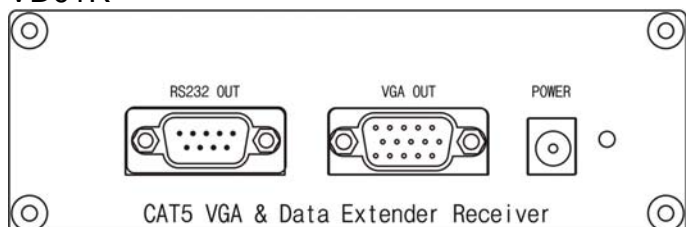| Max. Distance via CAT 5 Cable	
640x480 pixels (15MHz)	135M
800x600 pixels (30MHz)	105M
1024x768 pixels (60MHz)	75M
1280x1024 pixels (100MHz)	60M

DATA(RS232)

VD01T / VD02T

VD01R/VD02R

RS232IN

RS232OUT

Panel View:

VD01T

CAT5 VGA & Data Extender Transmitter
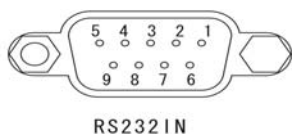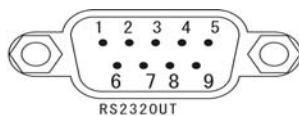
VD01R

CAT5 VGA & Data Extender Receiver

Specification:

ITEM NO.	VD01	
Environment	VGA. VESA VP&D 1.0, VIP ver 2.0	
Transmission Distance	60 -135 meters depend on image resolution	
Devices	VGA monitors, LCD projection screen, Laptops, PCs.	
Input Signals	Video : 1.1V P-P	
	Horiz & Vert Sync : TTL standard. 300kHz max. bandwidth	
	RS232 Data DB9 connector	
Insertion Loss	Less than 3dB per pair over the frequency range	
Video Signal Return Loss	-15dB max from DC to 60Mhz	
RJ45 Pin Configuration (RJ1)	R video (Red): Pin 1 (+), Pin 2 (-) Balanced Gvideo (Green): Pin 4 (+), Pin 5 (-) Balanced B video (Blue): Pin 7 (+), Pin 8 (-) Balanced Horizontal Sync: Pin 3, Vertical Sync: Pin 6	
RJ2	RS232 Sync	
Impedance	Input : RGB 75 ohms (DB15 HD) Unbalanced	
	Output : RGB 100 ohms (RJ45 shielded) Balanced	
	Horizontal and vertical sync : TTL standard	
CABLE FOR RJ-45	CAT 5 Shielded Twisted Pair Cable (STP) x 2	
Power Supply	2 x 12V DC 500mA (External)	
Power Consumption	VD01T 200 (Max), VD01R 200 (Max)	
Temperature	Operation: 0 to 55 C, Storage: -20 TO 85 c, Humidity: up to 95%	
DIMENSIONS W x H x D mm	VD10T：133*70*44	VD01R：133*70*44
Weight g	300	