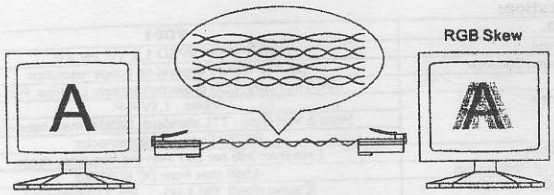
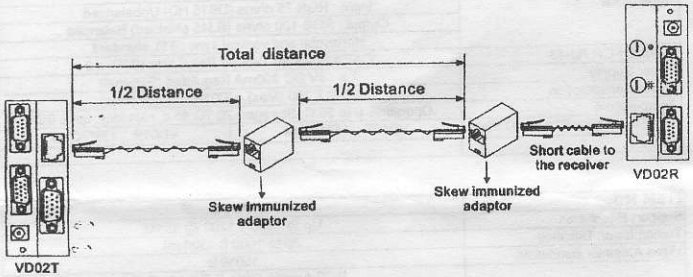


2. Recommend to use following cabling way to reduce skew status, to add special made "skew immunized adaptor", 2 pieces included at the package.



CAUTION: to avoid display equipment damaged, be sure to make correct cable connection and power for both VD02T before connecting VD02R

CAT5 VGA & Data Extender

ITEM NO.: VD01, VD02

VD01

VD02

VD01, VD02 are 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.

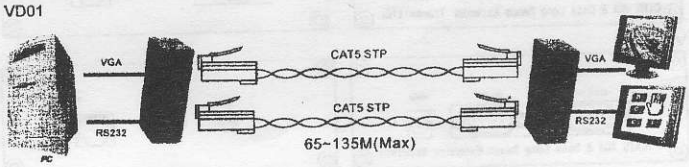
VD02 CAT5 VGA & Data Long Range Extender

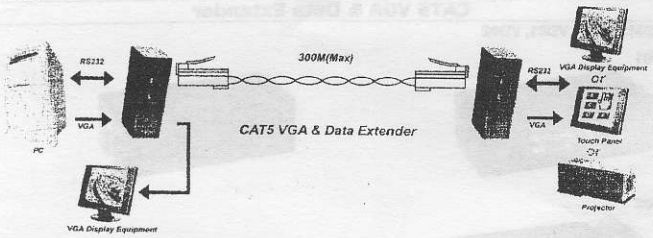
Features:

- **Send VGA and RS232 Data over one CAT5 UTP cable to instead of VGA cable and data cable.**
- Dual output at transmitter: 1 VGA loop output for local, plus 1 CAT5 RJ45 output for remote side.
- Supports up to 1600x1200 @85Hz
- **Long range transmission up to 300 meters (Max.)**
- Each set including transmitter and receiver.
- Application for sending Video images to a projector and controlling it from your desk

Installation View:

VD01

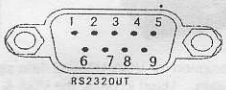




DATA(RS232)

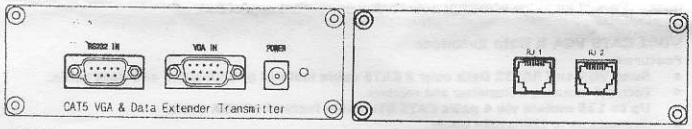
VD01T / VD02T

VD01R/VD02R

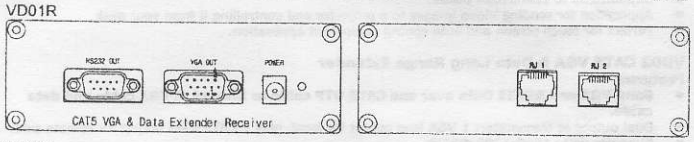


Panel View:

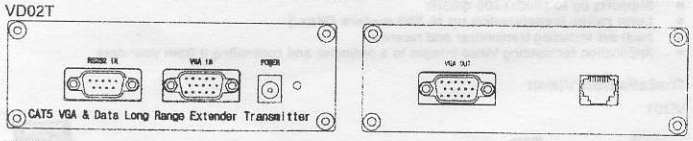
VD01T



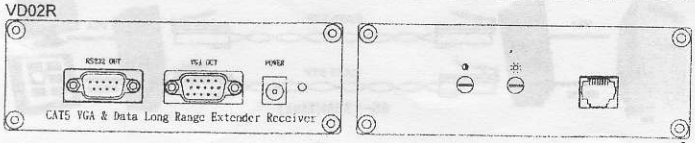
VD01R



VD02T



VD02R



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 5V DC 300mA Regulated (External)
Power Consumption	VD01T 200 (Max), VD01R 200 (Max)
Temperature	Operation: 0 to 55℃, 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	

ITEM NO.	VD02
Support Resolution	Up to 1600 x 1200 @ 85 Hz
Transmission Distance	Up to 1000 ft. (300 m)
Video Amplifier Bandwidth	150MHz
Input Signals	RGB Analog (75Ω, 0.7Vp-p)+ DATA
	Sync Signal H/V Separated (TTL)
	RS232 Data DB9 connector
Horizontal Frequency Range	30-95KHz
Vertical Frequency Range	50-180Hz
VGA Connector	15-pin Mini D-Sub (High Density)
Link Connector	RJ-45
Power Supply	2 x 12V DC 500mA (External)
Power Consumption	VD02T 150mA (Max), VD02R 250mA (Max)
CABLE FOR RJ-45	CAT 5 unshielded Twisted Pair Cable (UTP) x 1
Temperature	Operation: 0 to 55℃, Storage: -20 TO 85℃, Humidity: up to 95%
Dimensions W x H x D mm	VD02-T: 133*76*44 , VD02R: 133*72.5*44
Weight g	300

Installation Tips:

1. Due to the inside of CAT5 cable that the pairs of wires are twisted at different rates, AND the different quality on cable itself and installation that will cause different signal arrival time at each pair. If there are big different at arrival time, that will cause RGB skew status.. This is seen on the monitor as separation, or lack of convergence in colors. Normally it happens on long CAT 5 cable runs.