

Twisted Pair VGA-Extender * Cat-5 LAN Cable VGA-Amplifier * VGA over TP

VGA-Extend is designed for transmission of VGA Video + RS232 Data over cost effective CAT5 TP Network Cable instead of over cumbersome VGA Coaxial and Data cables. Used in pairs these Amplified PC/Apple VGA extenders can be used in home or commercial applications as a smart, fast and cost-effective solution, eliminates costly and bulky VGA and DATA cable, allowing user to broadcast their video image or control a projector or any other RS-232 device from a remote location. Ideal for sending video images to a projector and controlling it from your desk. Perfect for touch screen or auto control equipment application.

VGA-Extend VGA & Data Extender

Features:

- **Send VGA and RS232 Data over 2 x CAT5 cables instead of VGA cable and data cable.**
- Each set includes Transmitter, Receiver and two Power Supplies.
- **Up to 135 meters via 4 pairs CAT5 STP cable instead of Coaxial 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:

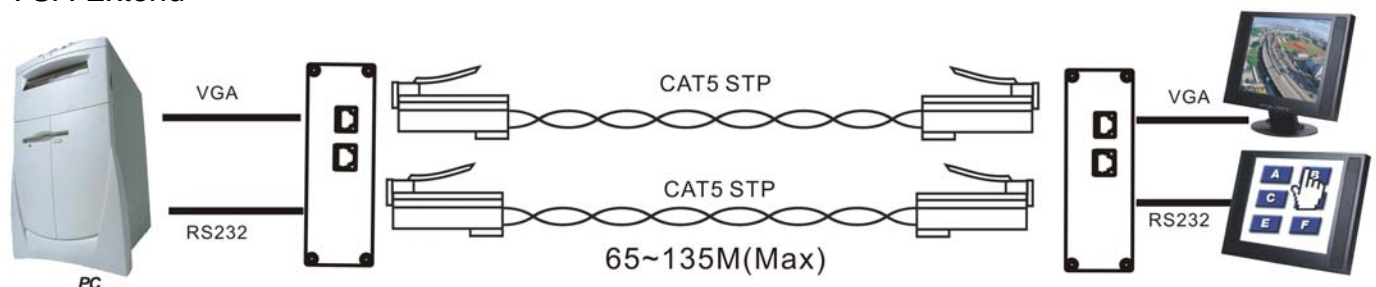
Recommend Cable:

1. CAT5 UTP/STP cable.
2. There are some models & brands of monitors that are very sync-sensitive, for these we recommend use of STP (shielded twisted pair) Cable instead of UTP (unshielded twisted pair) cable.

RJ45 Pin Configuration: TIA/EIA 568B Wiring standard

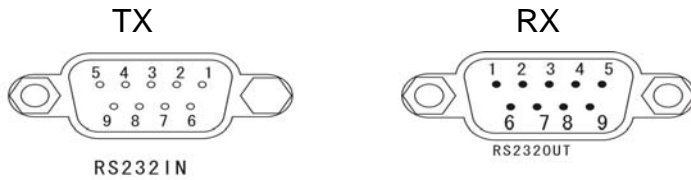
- | | |
|-----------------|---------|
| 1. Orange-white | Red + |
| 2. Orange | Red - |
| 3. Green-white | H-Sync |
| 4. Blue | Green + |
| 5. Blue-white | Green - |
| 6. Green | V-Sync |
| 7. Brown-white | Blue + |
| 8. Brown | Blue - |

VGA-Extend



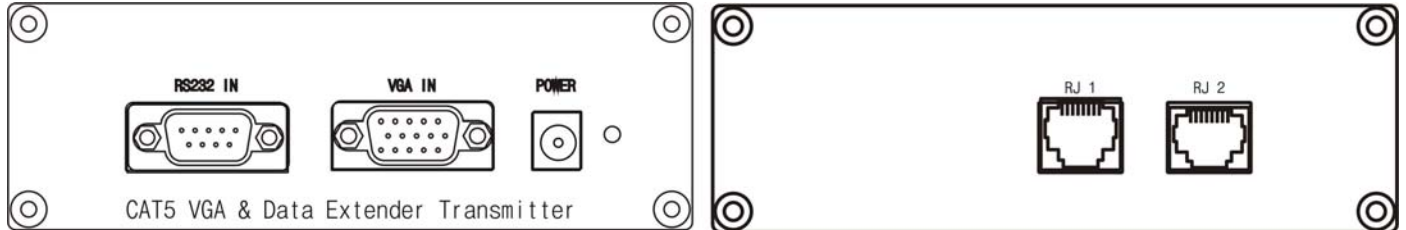
Max. Distance via CAT 5 Cable	
640x480 pixels (15MHz)	135M
800x600 pixels (30MHz)	105M
1024x768 pixels (60MHz)	75M
1280x1024 pixels (100MHz)	60M

DATA(RS232)

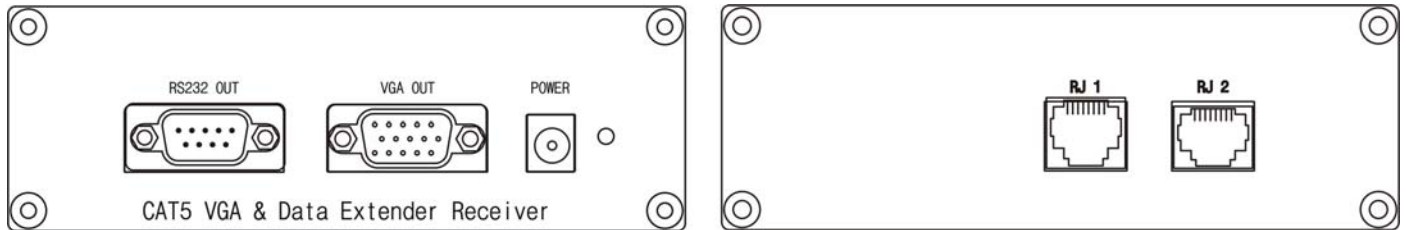


Panel View:

VGA TX



VGA RX



Specification:

ITEM NO.	VGA-Extend
Environment	VGA. VESA VP&D 1.0, VIP ver 2.0
Transmission Distance	60 -135 meters depend on image resolution
Devices	VGA Monitors, LCD Projectors, Laptops, PCs, Security Video Recorders
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	VGA TX: 133*70*44 VGA-RX: 133*70*44
Weight g	300