

CAT5 VGA Extender & RS232 Extender

Cat Code: VGA-Extend

Designed for extending VGA + RS232 data signal over cost effective CAT5 cable instead of VGA and Data cable. Used in pairs, the VGA & Data Extender are for home or commercial applications easily installed and cost-effective, they eliminate costly and bulky VGA and DATA cable, allowing users to 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 your desk. Perfect for touch screen or auto control equipment application.

CAT5 VGA & RS232 Data Extender

Features:

- **Send VGA and RS232 Data over 2 x CAT5 cable instead of VGA cable and data cable.**
- Each set includes 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.

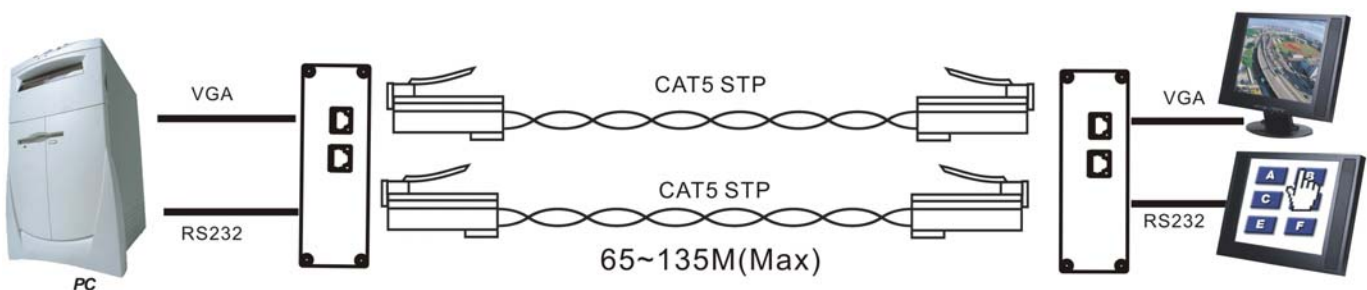
Installation:

Recommend Cable:

1. CAT5 STP, see note about UTP below.
2. There are some models &/or brands of monitors that are extremely sensitive to sync levels, with these devices STP (shielded twisted pair) may be required instead of UTP (unshielded twisted pair) cable.

RJ45 Pin Configuration: TIA/EIA 568B Wiring standard

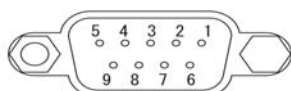
- | | |
|-----------------|---------|
| 1. Orange-white | Red + |
| 2. Orange | Red - |
| 3. Green-white | H-Sync |
| 4. Blue | Green + |
| 5. Blue-white | Green - |
| 6. Green | V-Sync |
| 7. Brown-white | Blue + |
| 8. Brown | Blue - |



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

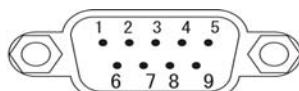
DATA (RS232)

T X



RS232 IN

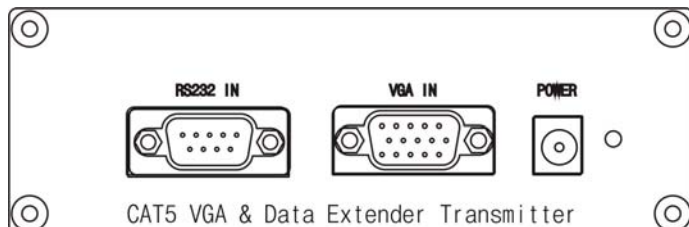
R X



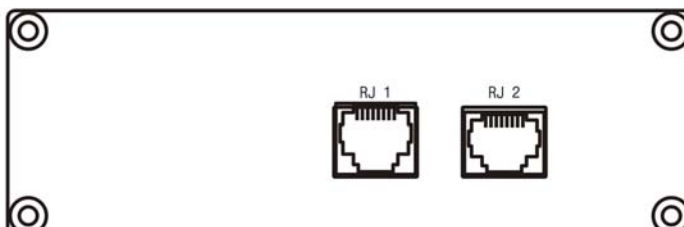
RS232 OUT

Panel View:

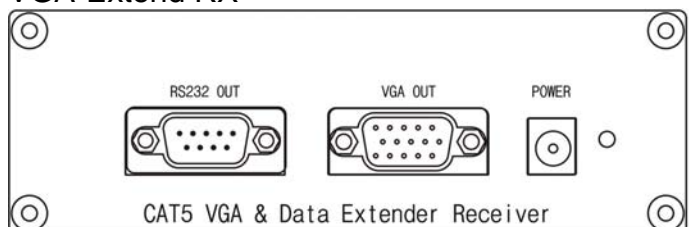
VGA-Extend TX



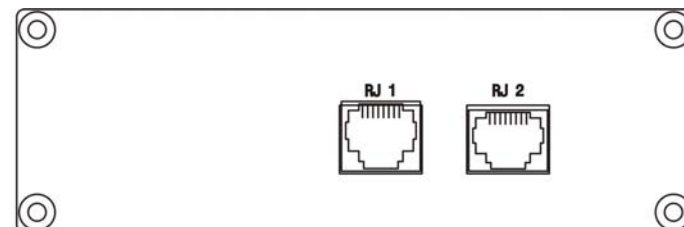
CAT5 VGA & Data Extender Transmitter



VGA-Extend RX



CAT5 VGA & Data Extender Receiver



Specification:

Cat Code:	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 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	TX ~ 200 mA, RX ~ 200 mA	
Temperature	Operation: 0 to 55 C, Storage: -20 TO 85 c, Humidity: up to 95%	
DIMENSIONS W x H x D mm	133*70*44	133*70*44
Weight gm	~ 300	