

CAT5 VGA LONG RANGE DISTRIBUTOR SERIES

ITEM NO.: VD102, VD105, TTA111VGAR



VD102, VD105 are designed for long range VGA distribution over cost effective CAT5 UTP cable. One or multi video input to multi output, with one VGA LOOP output (VGA cable) for local side, others are RJ45 output (CAT5 UTP cable) at remote side. All of them built in amplifiers for long- range VGA signal transmission up to 300 meters when work with TTA111VGAR VGA receiver at remote side. Ideal for classrooms video distribution, lecture halls, retail kiosks, video information displays, overhead projector systems, PC-training systems, and tradeshow PC demo systems.

Features:

VD102 CAT5 VGA 1 input to 2 Output Distributor

- Each set including one piece VD102T transmitter and one piece TTA111VGAR receiver.
- **Dual output:** 1 VGA loop output for local, plus 1 CAT5 RJ45 output for remote side.
- Built in contrast, brightness adjustment at Receiver.
- Supports up to 1600x1200 @85Hz.
- Use **CAT5 cable** instead of VGA cable.
- **Long range transmission up to 300 meters (Max.).**
- Power supply included.

VD105 CAT5 VGA 1 input to 5 Output Distributor

- Each set including one piece VD105T VGAT transmitter and one piece TTA111VGAR receiver.
- **Dual output:** 1 VGA loop output for local, plus 4 x CAT5 RJ45 output for remote side.
- **Each VGA display equipment request one TTA111VGAR receiver at remote side (Order separately).**
- Built in contrast, brightness adjustment at TTA111VGAR Receiver.
- Supports up to 1600x1200 @85Hz.
- Use **CAT5 cable** instead of VGA cable.
- **Long range transmission up to 300 meters (Max.).**
- Power supply included.

VD105 Option model:

TTA111VGAR CAT5 VGA Active Long Range VGA Receiver

- **Work with VD105 as receiver for extra remote VGA display equipment.**
- Built in contrast, brightness adjustment.
- **Built in ESD and power protection.**
- **LED indication for power and signal.**
- Supports up to 1600x1200 @85Hz.
- Long range transmission up to 300 meters (Max.)

VD105 Option model:

VE02DALS VGA & Stereo/Digital Audio CAT5 Receiver– Built in Skew Corrector

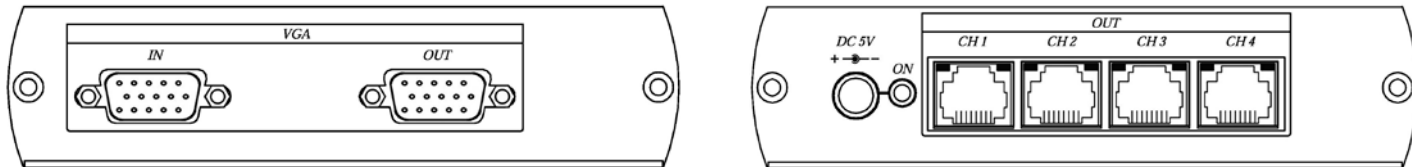
- Identical to above TTA111VGAR CAT5 receiver.
- **Built in RGB skew adjustment for the optimum video performance under long cable run.**
- **It could be daisy chained for another VD102DALS to extended working range over 300 meters and multiple displays.**

Panel View:

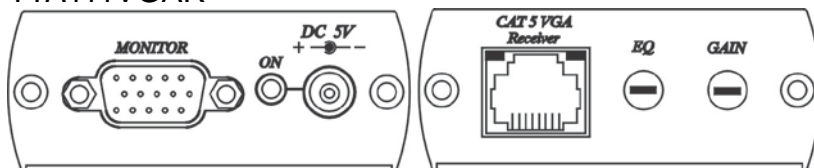
VD102T



VD105T

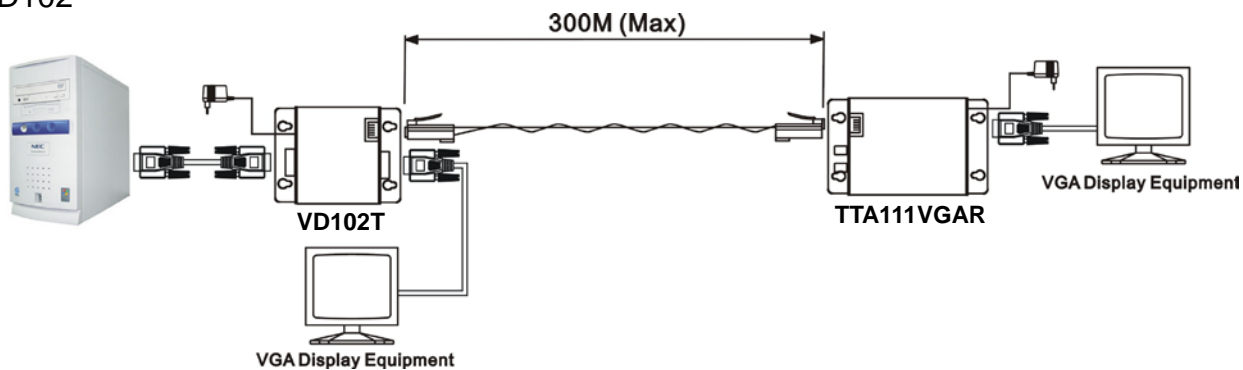


TTA11VGAR

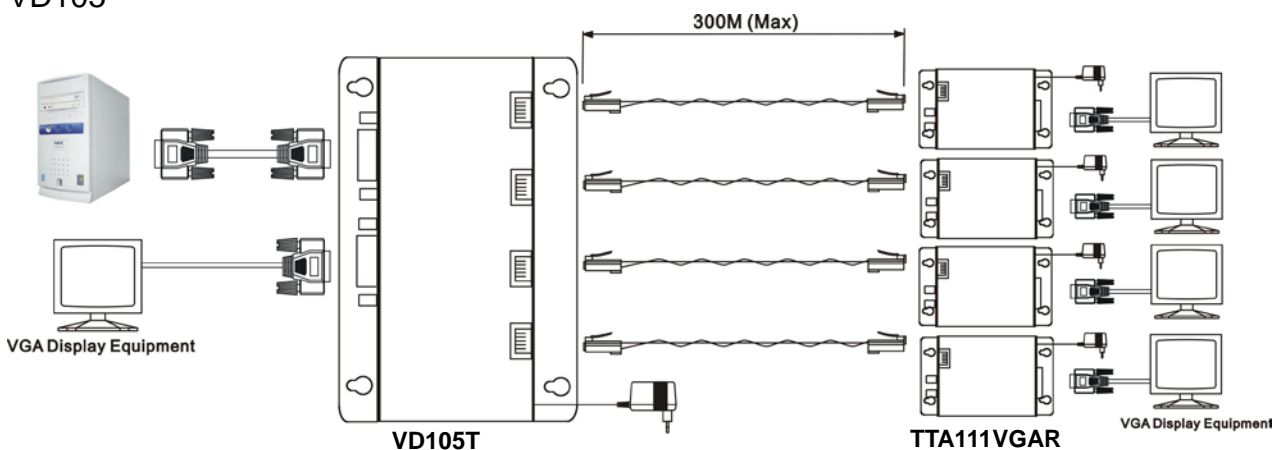


Installation View:

VD102



VD105



LED Indication

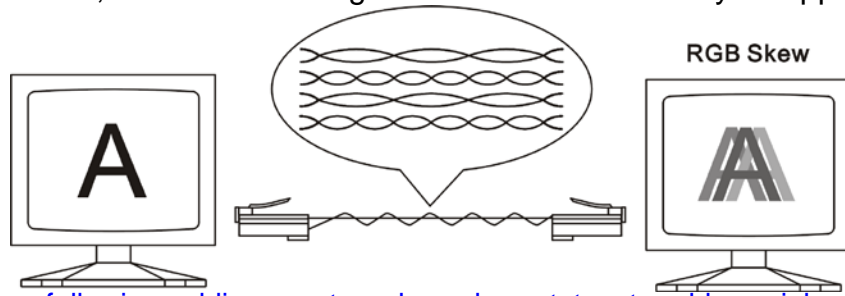
Blue : Power on/off

RJ45 (Link Cable Connector): Green - Signal on/off

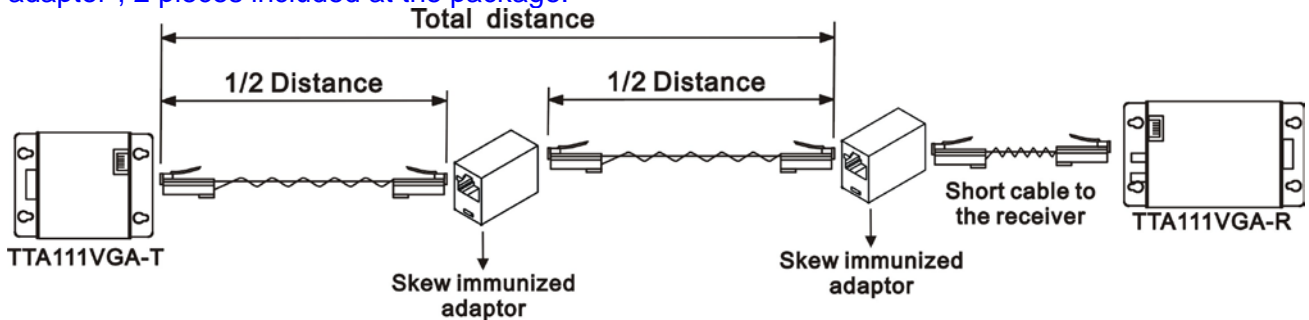
Installation Tips:

Skew Picture:

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.

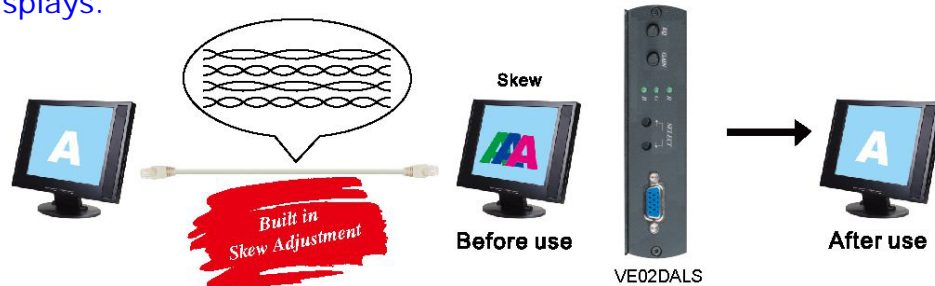


1. Recommend to use following cabling way to reduce skew status, to add special made "skew immunized adaptor", 2 pieces included at the package.



CAUTION: to avoid display equipment damaged, be sure to make correct cable connection and power for both VD102T, VD105T TTA111VGAR before connecting VD102T, VD105T, TTA111VGAR.

2. Recommend to change TTA111VGAR CAT5 receiver to VD102DALS, which built in RGB skew adjustment for the optimum video performance under long cable run. It also could be daisy chained for another VD102DALS to extended working range over 300 meters and multiple displays.



Specification:

ITEM NO.	VD102	VD105	TTA111VGAR
Support Resolution	Up to 1600 x 1200 @ 85 Hz		
Transmission Distance	Up to 1000 ft. (300 m)		
Video Amplifier Bandwidth	150MHz		
Video Input Signals	RGB Analog (75Ω, 0.7Vp-p), Sync Signal H/V Separated (TTL)		
Horizontal Frequency Range	30-95KHz		
Vertical Frequency Range	50-180Hz		
VGA Connector	DB15 x 2		DB15 x 1
Link Connector	RJ45 x 1	RJ45 x 4	RJ45 x 1
Power Supply	DC 5V 1Amp		
Power Consumption	350mA (Max)	500mA (Max)	400mA (Max)
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%		
Dimensions mm	67 x 73 x 27	125 x 95 x 30	67 x 110 x 27
Weight g	140	265	175

