

## CAT5 VGA LONG RANGE DISTRIBUTOR SERIES

ITEM NO.: VE02, VE05, VE01R



VE02, VE05 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 VE01R 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:

#### VE02 CAT5 VGA 1 input to 2 Output Distributor

- Each set including one piece VD102-T transmitter and one piece VE01R 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.

#### VE05 CAT5 VGA 1 input to 5 Output Distributor

- Each set including one piece VD105VGA-T transmitter and one piece VE01R receiver.
- **Dual output:** 1 VGA loop output for local, plus 4 x CAT5 RJ45 output for remote side.
- **Each VGA display equipment request one VE01R receiver at remote side (Order separately).**
- Built in contrast, brightness adjustment at VE01R Receiver.
- Supports up to 1600x1200 @85Hz.
- Use **CAT5 cable** instead of VGA cable.
- **Long range transmission up to 300 meters (Max.).**
- Power supply included.

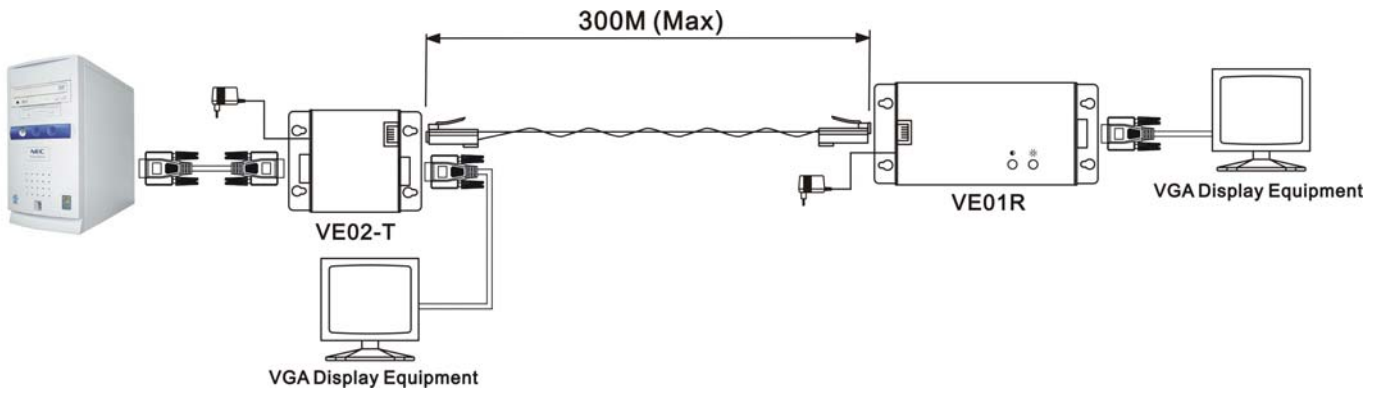
#### VE05 Option model:

#### VE01R CAT5 VGA Active Long Range VGA Receiver

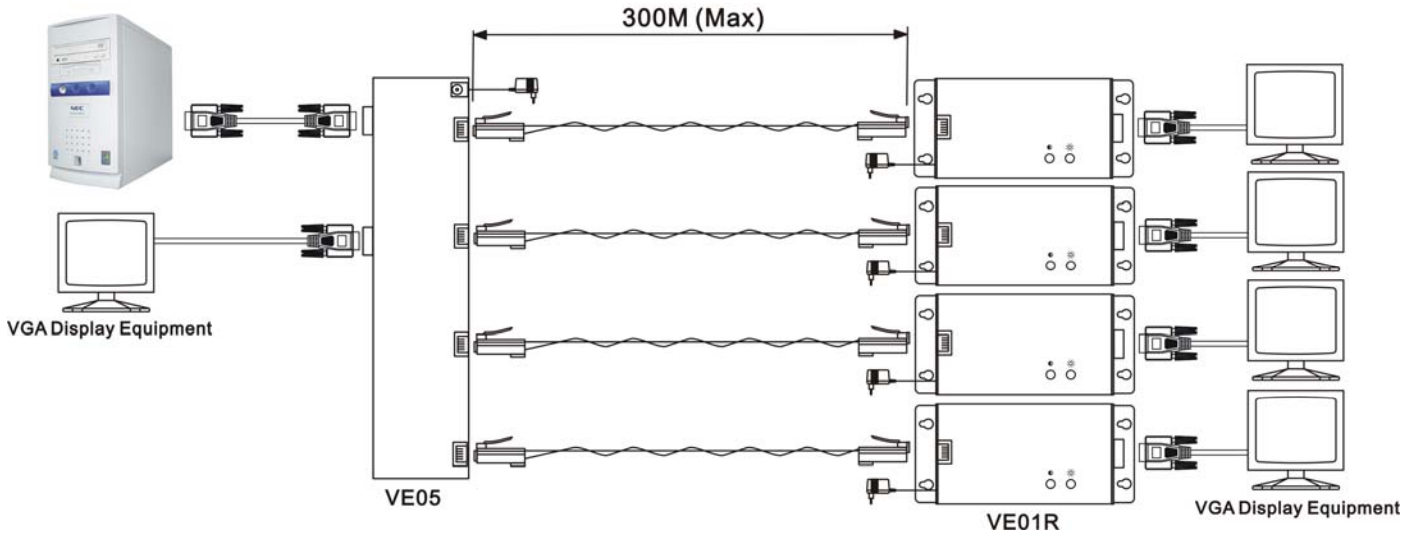
- **Work with VD105 as receiver for extra remote VGA display equipment.**
- Built in contrast, brightness adjustment
- Supports up to 1600x1200 @85Hz.
- Long range transmission up to 300 meters (Max.)

### Installation View:

VE02

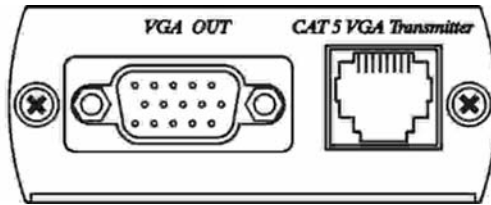
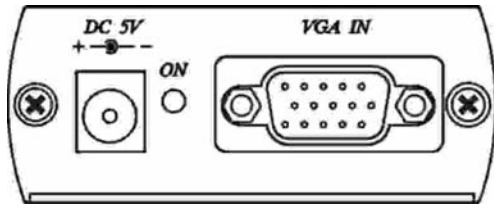


VE05

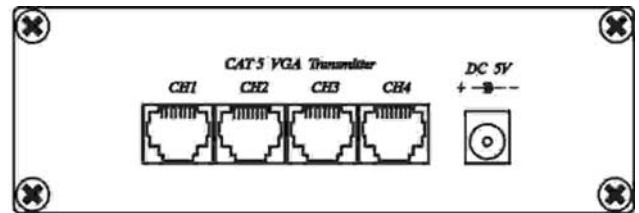
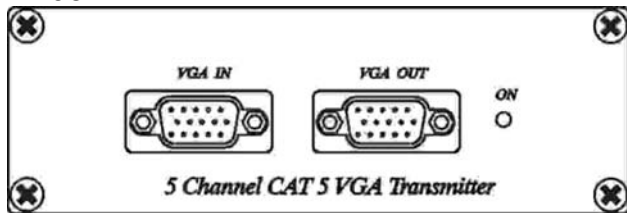


Panel View:

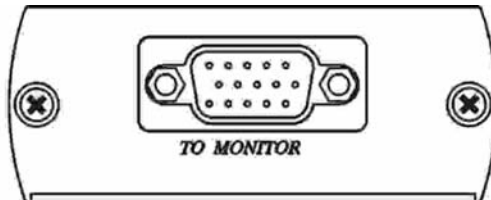
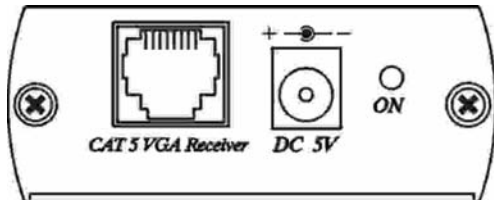
VE02



VE05



VE01R

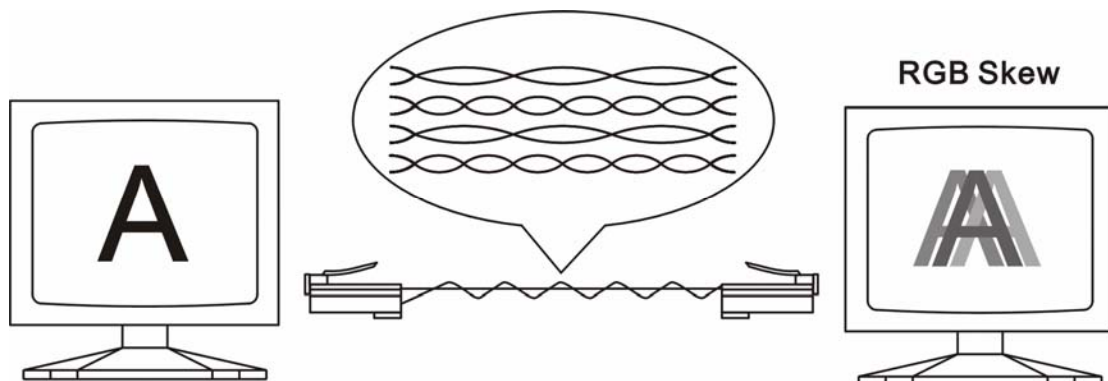


## Specification:

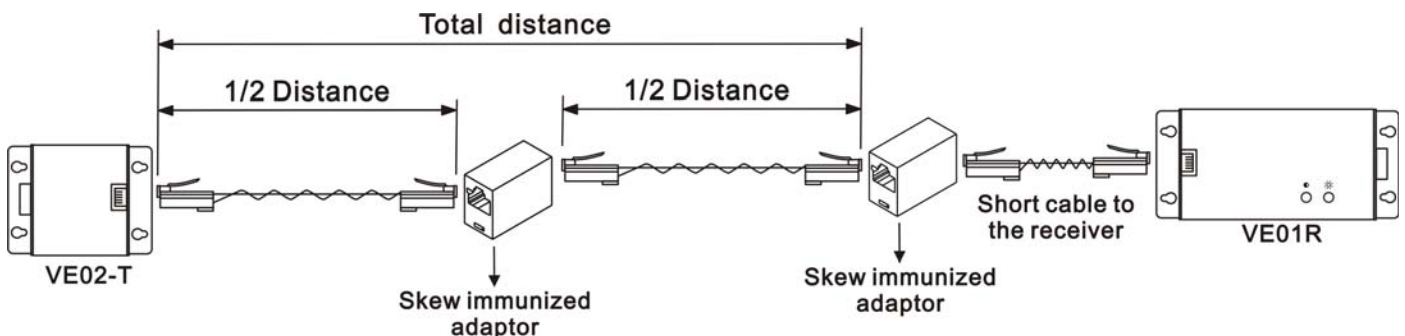
ITEM NO.	VE02	VE05
Support Resolution	Up to 1600 x 1200 @ 85 Hz	
Transmission Distance	Up to 1000 ft. (300 m)	
Video Amplifier Bandwidth	150MHz	
Video Input Signals	RGB Analog (75Ω, 0.7Vp-p)	
	Sync Signal H/V Separated (TTL)	
Horizontal Frequency Range	30-95KHz	
Vertical Frequency Range	50-180Hz	
VGA Connector	15-pin Mini D-Sub (High Density)	
Link Connector	1 x RJ-45	4 x RJ45
Power Supply	VE02-T, VE05-T : 5V DC 500mA, VE01R 5V DC 500mA (External)	
Power Consumption	VE02-T 350mA (Max) , VE05-T 400mA (Max), VE01R 250mA (Max)	
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
Dimensions W x H x D mm	VE02-T: 67x27x73, VE05-T: 133x44x70 VE01R: 67x27x140	

## 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.



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 VE02-T, VE05-T VE01R before connecting VE02-T, VE05-T, VE01R.