



VGA-Dist4+1 is designed for long range VGA distribution over cost effective CAT5 UTP cable. Transmitter has one HD15 VGA input, four RJ45 TP outputs and one HD15 VGA Loop through output for local monitor, TX and RX are interconnected via RJ45 sockets and CAT5 UTP cable. All devices have built in amplifiers for long- range VGA signal transmission up to 300 meters. Ideal for classrooms video distribution, lecture halls, retail kiosks, video information displays, overhead projector systems, PC-training systems, tradeshows PC demo systems, distribution from Security Video Recorders to multiple remote monitors, etc.

VGA-Dist4+1 Transmitter Splitter 1 input to 5 Output Distributor

- Each set includes one VGA-4+1TX and one VGA-RX receiver, two Power Supplies, one VGA-VGA Cable for local Monitor & two Skew Adaptors.
- **Dual output:** 1 VGA HD15 loop through output for local Monitor, plus 4 x CAT5 RJ45 output for up to for remote VGA-RX.
- **Each remote location requires one VGA-RX (Order separately).**
- Built in contrast, brightness adjustment at VGA-RX Receiver.
- Supports up to 1600x1200 @85Hz.
- Use **CAT5 cable** instead of VGA cable.
- **Long range transmission up to 300 meters (Max.).**
- Power supply included.

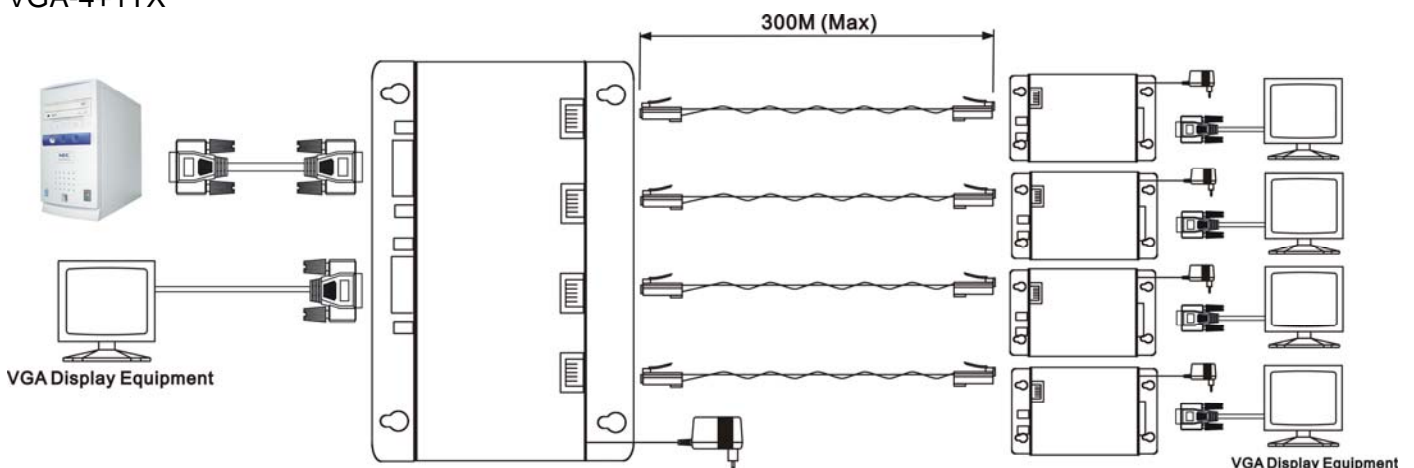
VGA-RX Receiver CAT5 VGA Active Long Range VGA Receiver

- **For use with VGA-Dist4+1 for additional remote VGA display locations.**
- VGA-RX includes Power Supply & two Skew Adaptors.
- 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.)

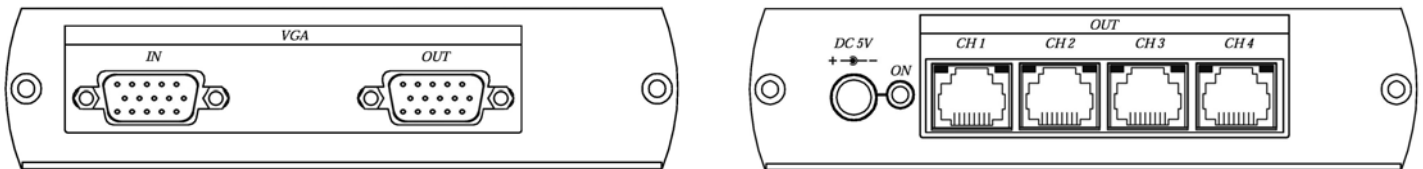
VGA_{skew}RX VGA CAT5 Receiver with Built in Skew Corrector

- Identical to VGA-RX above.
- Built in RGB skew adjustment for optimum video performance under long cable run.

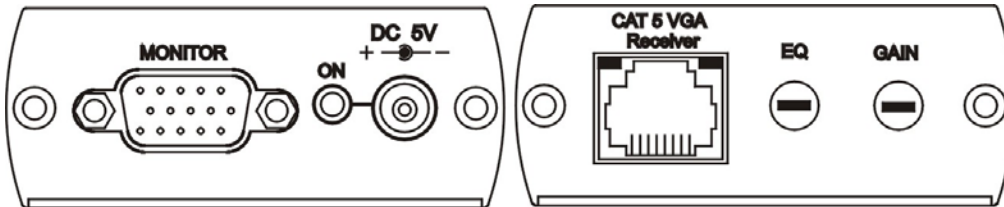
VGA-4+1TX



VGA-4+1TX Transmitter Splitter Distributor



VGA-RX Receiver

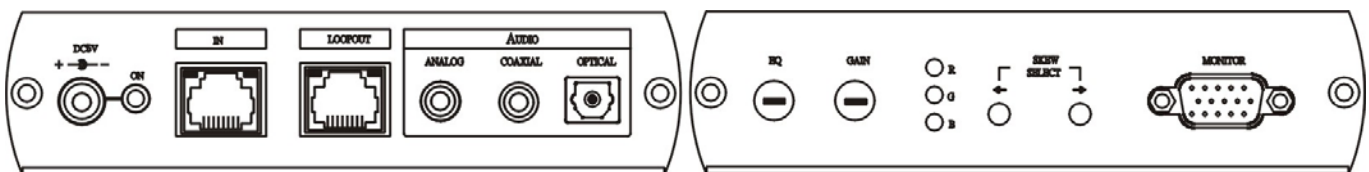


LED Indication

Blue : Power on/off

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

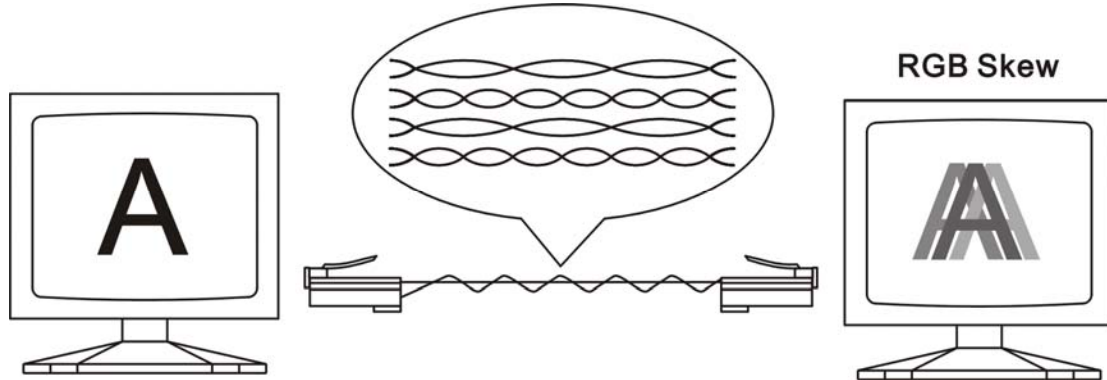
VGA skewRX



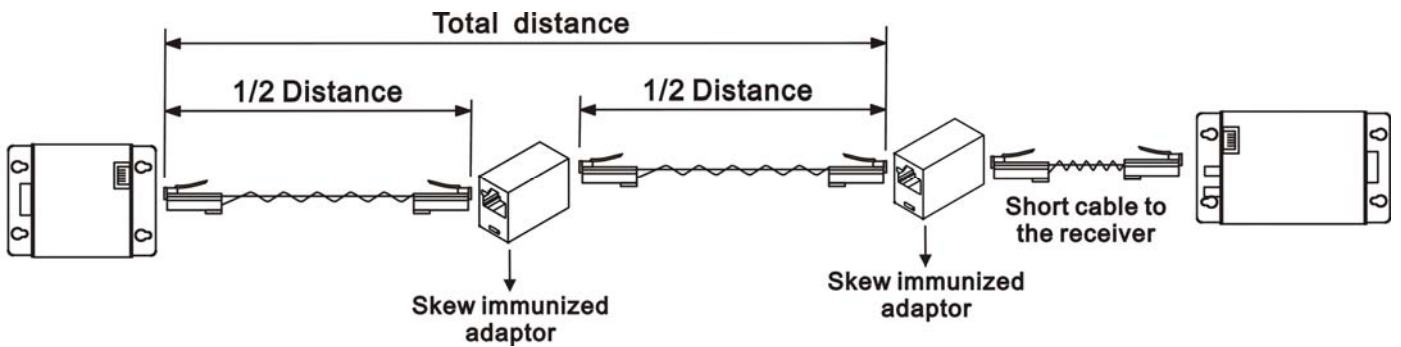
| ITEM NO. | VGA-Dist1+1 | VGA-Dist4+1 |
|----------------------------|--|-------------|
| Support Resolution | Up to 1600 x 1200 @ 85 Hz | |
| Transmission Distance | Up to 1000 ft. (300 m) | |
| Video Amplifier Bandwidth | 150MHz | |
| Video Input Signals | RGB Analog (75Ω, 0.7Vp-p) Sync Signal H/V 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 | 5V DC 1Amp (External) | |
| Power Consumption | TX: 500mA (Max), RX: 400mA (Max) | |
| Temperature | Operation: 0 to 55 , Storage: -20 TO 85 , Humidity: up to 95% | |
| Dimensions W x H x D mm | TX 1+1: 67x27x73, TX4+1: 125mm x 95mm x 30mm VGA-RX: 67x27x110 mm | |
| Weight g | TX 1+1: 200 g, TX 4+1: 270g ,VGA-RX:200g | |

Skew Picture:

In a CAT5 cable the individual pairs of wires are sometimes twisted at different rates which means some pairs will be longer or shorter than others. The differences in pair lengths means the Red, Green and Blue signals will not arrive at the RX simultaneously but at different times. If the delay in arrival time is large enough it will cause RGB Skew. This is seen on the monitor as separation, or lack of convergence in colors and is normally associated with long runs &/or with poor quality Cable. It will also occur when using Cable that has been specifically designed with different Twist rates to reduce coupling and crosstalk.



- 1. Recommend use following cabling arrangement to reduce skew and add special made "Skew Immunized Adaptor", 2 pieces included with RX.



CAUTION: to avoid display equipment damage, make sure that ALL cable connections are correct and that ALL cables are connected before powering on any equipment.

- 2. To cope with severe Skew (particularly with Cat-5e, Cat-6 and other cables that are manufactured with different twist rates and therefore pair lengths use VGAskewRX CAT5 receiver, which has a built in RGB skew adjustment for optimum video performance under long cable run. This RX can also be daisy chained with another VGAskewRX to extend working range beyond 300 meters.

