



# VGA Video / Audio Receiver

## Model: VADU122R



The VADU122R VGA video and audio receiver is the remote device in the VGA and audio transmission system that allows transmission of VGA video and audio signal via Unshielded Twisted Pair (UTP) cable. VADU122R receives one channel of VGA & Audio via UTP and provides two pairs of VGA & audio outputs. The unit is compatible with VADU01T and VADU04T transmitters with a transmission distance up to 1000ft / 300m. With brightness and contrast adjustments, the video quality can be assured in different distances with a standard resolution of 1024x768 and up to 1600x1200 @ 60Hz for 500ft / 150m.

### Features:

- Transmission Distance up to 1000ft / 300m
- VGA video & audio signal transmission via UTP cable (CAT5 / CAT5e).
- Built-in brightness and contrast adjustors
- Provides two sets of VGA video & audio outputs
- Quality stereo audio
- High video resolution depends on the length and quality of UTP cable with standard resolution 1024x768 and up to 1600x1200 @ 60Hz
- Exceptional interference rejection
- Built-in transient protection
- Multi-platform support; supports PC, Mac, Sun, and Linux systems
- Supports VGA, SVGA, XGA, SXGA, and Multi-sync monitors
- OS Support: Windows 2000 / XP / Linux / Mac / Sun
- 12V DC Power

### Components are Made In USA for this product:

Name of Component	Manufacturer
Video Signal Disposal	Intersil
Power	On. Semiconductor
Analog Signals Disposal DCDC Power	National Semiconductor

R&D Designed in Taiwan  
Assembled in China

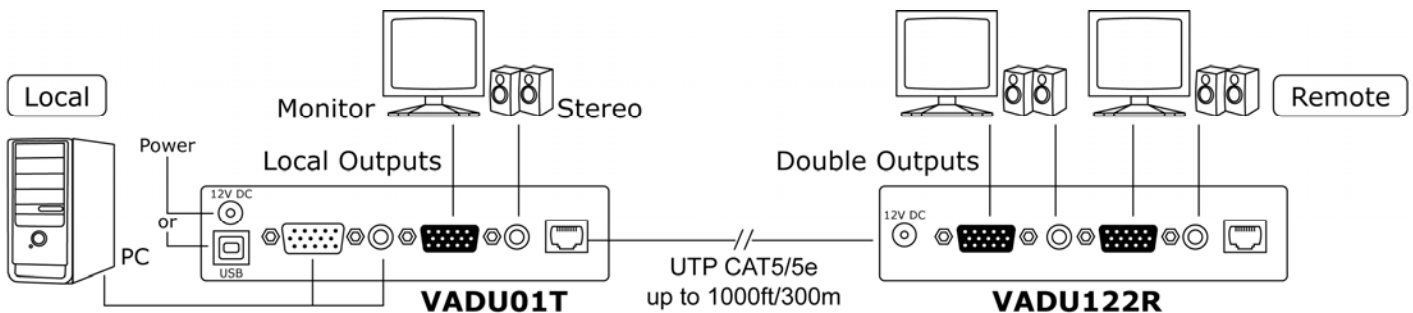


Front



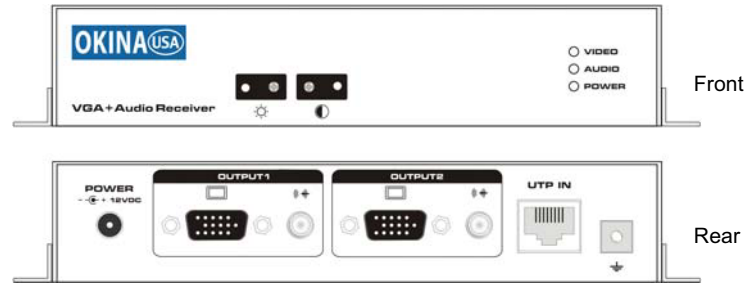
Rear

### Wiring Diagram:



VADU122R	Max. Distance via CAT5 Cable	Hz
800x600 pixels	1148ft / 350m	60Hz
1024x768 pixels	1000ft / 300m	60Hz
1280x1024 pixels	650ft / 200m	60Hz
1600x1200 pixels	500ft / 150m	60Hz

## Panel View:



## Specification:

Model		VADU122R
Power Properties	Voltage	12V DC
	Power Consumption	5W
	Connectors	DC Jack
Video Properties	Output Connectors	2 x 15-pin HDB Female (Black) Resistance: 75 Ohms
	Signal Input Connector	RJ45
	Signal Transmission Band	> 350 MHz (-3dB)
	Linear Distortion	< 3%
	Synchronous Signal	0V ~ 5V, TTL PWL
	Synchronous Signal Band	1K~200 KHz
Audio Properties	Connectors	2 x 3.5mm Audio Jack
	Output Resistance	600 Ohms
	Band	10 ~ 20 KHz
Indicators	Video LED	Green
	Audio LED	Yellow
	Power LED	Red
Stability	MTBF	> 20,000h
Physical Properties	Dimensions (LxWxH)	160mm x 85mm x 32mm
	Housing Material & Color	Metal, Black
Weight	Net Weight	435g
Environment	Operating Temperature	0°C ~ 70°C
	Relative Humidity (non-condensing)	10 ~ 85%
	Storage Temperature	-10°C ~ 80°C
Accessories	Power Adaptor	Outputs 12V DC, 1Amp Inputs 90V ~ 250V AC
	Others	2 x Mounting Bracket, 4 x screws
Packing	Box Size (LxWxH)	280mm x 192mm x 75mm

**FCC CE RoHS**

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## Caution:

- All devices must be properly grounded.
- Do not handle the unit with wet hands.
- The unit is not waterproof and should not be used outdoors.