



VGA Extender

User Manual

Model : VE01HA

High Resolution VGA & Stereo CAT5e Extender 1920 x 1200 -
70M



Introduction

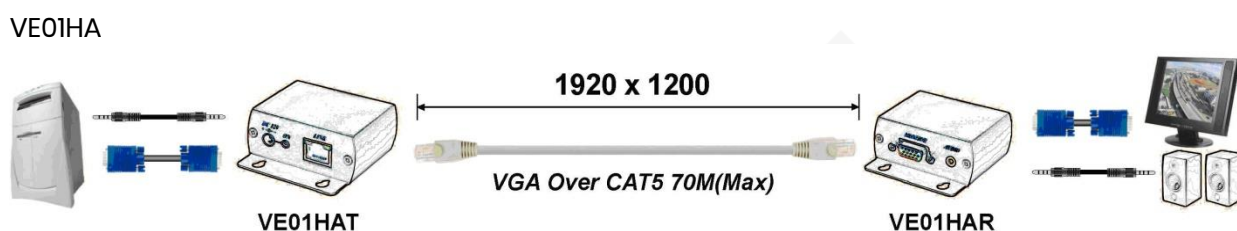
VE01HA is a VGA extender designed to use a cost-effective Ethernet cable to carry the signal with stereo audio for a long distance.

It's the ideal solution for shopping malls, public address systems, airports, train & bus stations, boardrooms, trade shows, computer-based training applications.

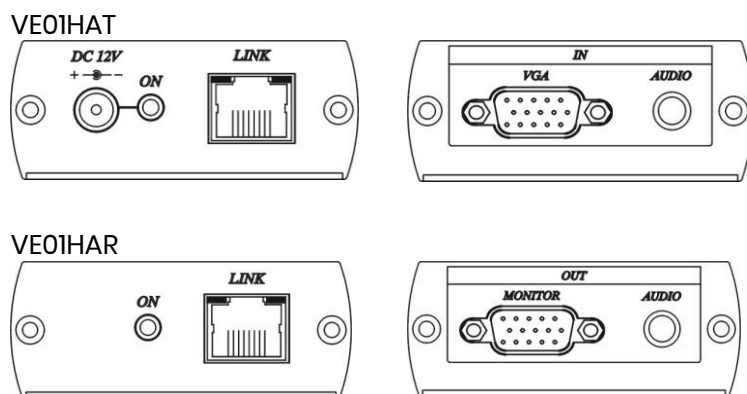
Features

- Resolution up to 1920 x 1200
- Signal extension up to 70M over 4 pairs UTP cable.
- Supports stereo audio.
- No external power required at RX unit.

Installation View



Panel View



Cable

Video Link cable using high quality CAT5E UTP/STP or CAT6 UTP cable.

Please noted STP cable could enhance noise rejection, but also less transmission range and picture sharpness quality.

RJ45 Define

Link Cable (TIA/EIA-568-B)	
1. Orange-white	Blue -
2. Orange	Blue +
3. Green-white	Green -
4. Blue	+12V/Audio +
5. Blue-white	GND /Audio -
6. Green	Green +
7. Brown-white	Red -
8. Brown	Red +

VE01HAT LED

Blue LED : power on/off

RJ45 LED (Link cable connector) Green: VGA signal

VE01HAR LED

Blue LED: power on/off

RJ45 LED (Link cable connector) Green: VGA signal

Troubleshooting

VE01HAR RJ45 yellow LED on: the audio function damaged.

Caution

1. **VE01HA cannot work with any of our other VGA CAT5 extender products which will cause product damage.**
2. This device not Ethernet product, do not connect any Ethernet.
3. The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage lines.

Specification

ITEM NO.	VE01HAT	VE01HAR
Support		
Max. Video Resolution	1920 x 1200px	
Max. Transmission Distance	70M over CAT5e or Greater	
Video/ Audio Bandwidth	Video at 700 MHz, -3dB, Audio at 20 to 20KHz, -3dB	
Ports & Interfaces		
Video Input	1 x DB15 (75Ω, 0.7Vp-p)	1 x RJ45
Video Output	1 x RJ45	1 x DB15 (75Ω, 0.7Vp-p)
Audio Interface	1 x Ø 2.0mm Phone Jack (2Vp-p, 10KΩ)	1 x Ø 2.0mm Phone Jack (2Vp-p, 10KΩ)
Power		
Power Supply	DC 12V 500mA	
Power Consumption	400mA (Max)	
Ambient Temperature		
Operation	0 to 55°C	
Storage	-20 to 85°C	
Humidity	up to 95%	
Physical Characteristics		
Dimensions	67 x 87 x 27mm	67 x 87 x 27mm
Weight	140g	140g