High Resolution VGA & Stereo Audio CAT5 Extender

ITEM NO.:   VW01HA, VW02HA, VE01HA

VW01HA, VW02HA, VE01HA are designed for high resolution 1920 x 1200 VGA signal with audio over cost effective CAT5 cable to instead of VGA and Audio cable.   No power requested at receiver unit for easy installation at monitor side.

Wall Plate type or metal box type are available for different combination and installation Built in stereo audio as AV extender, the most efficient way to move multimedia content from player to display and could be used in shopping malls, public address systems, airports, train & bus station, boardrooms, trade shows, computer based training application.

VE01HA   Active High Resolution VGA CAT5 Extender With Stereo Audio
● Active type, including VE01HAT transmitter and VE01HAR receiver.
● Built in stereo audio.
● Audio by digital encoding process for sound undistorted.
● Supports high resolution up to 1920 x 1200 at 70 meters.
● Use 4 pairs CAT5 UTP cable instead of VGA cable.
● External power required at transmitter unit, no power requested at receiver unit.
● Compatible with wall plate type, VW01HA, VW02HA.

VW01HA   Wall Plate Hi Resolution VGA CAT5 Extender With Stereo Audio
● Identical to VE01HA, but wall plate type.
● Transmitter unit power could be sending from PCB inside 12VDC terminal or external 12V DC Jack.
● Wall Plate outer dimension: 70 x 115.
● Compatible with metal box type VE01HA.

VW02HA   Wall Plate Hi Resolution VGA CAT5 Extender With Stereo Audio
● Identical to VW01HA, but wall plate outer dimension: 86 x 86 for European type.
● Transmitter unit power could be sending from PCB inside 12VDC terminal or external 12V DC Jack.
● Compatible with metal box type VE01HA.

Installation:

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.
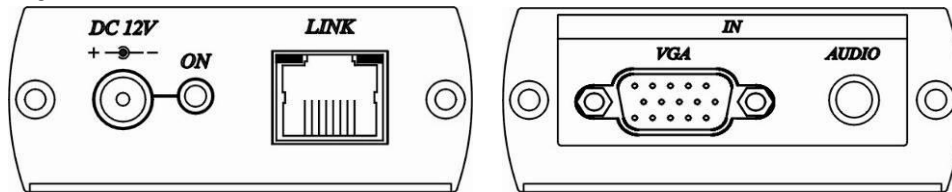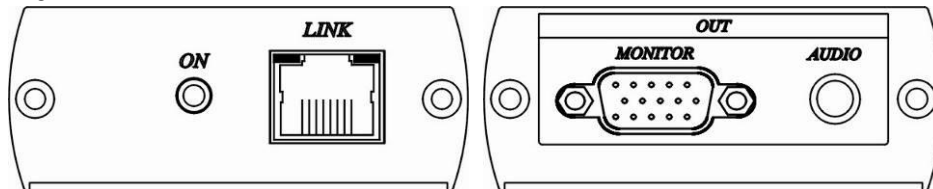
RJ45 Define:
Link Cable (TIA/EIA-568-B)

1. Orange-white   Blue -
2. Orange   Blue +
3. Green-white   Green -
4. Blue   +12V/Audio +
5. Blue-white   GND /Audio -
6. Green   Green +
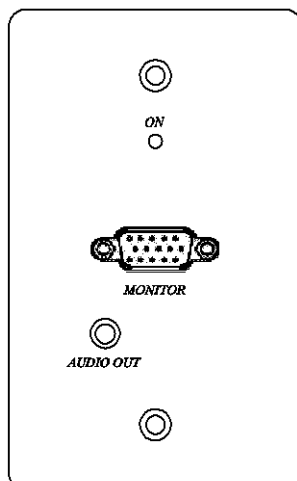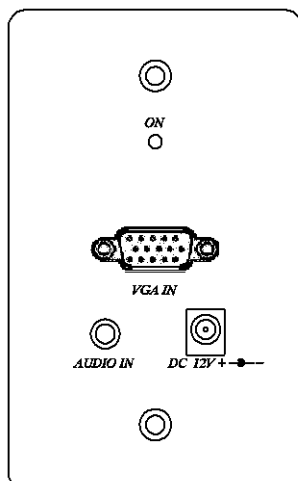7. Brown-white   Red –
8. Brown   Red +

Panel View:

VE01HAT

VE01HAR

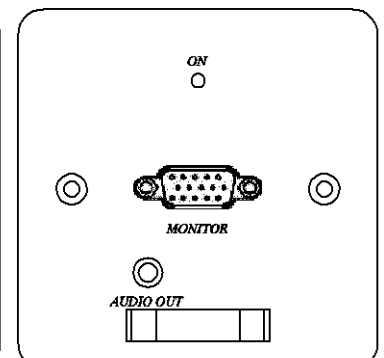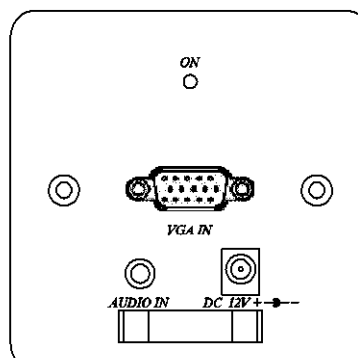## Installation View:

VE01HA

CAT5 70m (Max)

1920 x 1200

VE01HAT   VE01HAR

VW01HA

CAT5 70M (Max)

1920 x 1200

PC   VW01HAT   VW01HAR

VW02HA

CAT5 70M (Max)

1920 x 1200

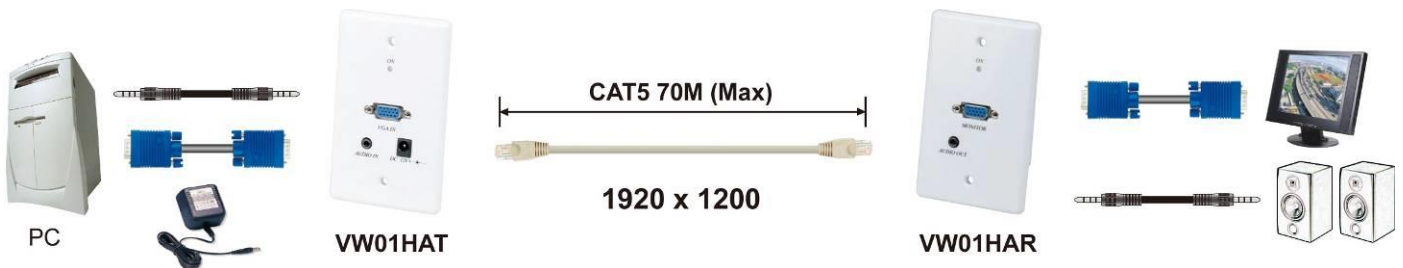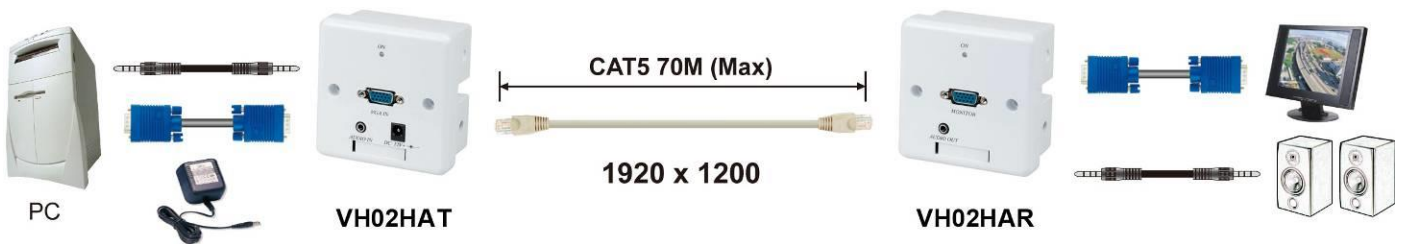PC   VH02HAT   VH02HAR
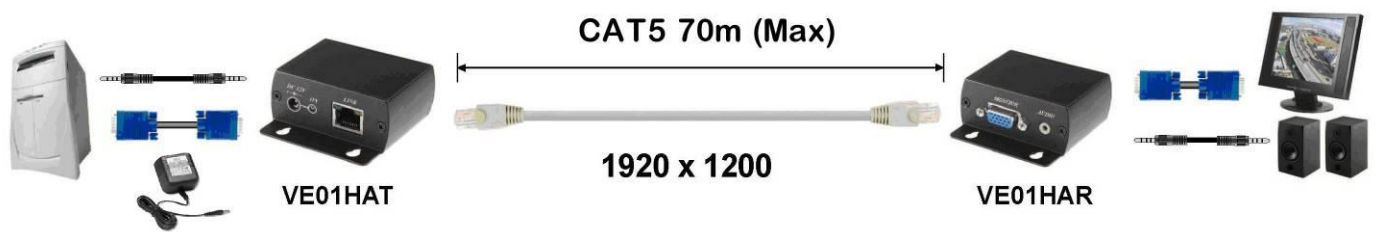
VE01HA(T+R)/VW01HA(T+R)/VW02HA(T+R) LED :
    Blue LED : power on/off

VE01HAT : RJ45 LED (Link cable connector) :
    Green : VGA signal

VE01HAR : RJ45 LED (Link cable connector) :
    Green : VGA signal
    Yellow on : Audio signal failed

Caution:
    1. This device not Ethernet product, do not connect any Ethernet.
    2. The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage lines.

Specification:

ITEM	VE01HAT	VE01HAR
VGA Connector	DB15 x 1 (RGB Analog · 0.7 Vp-p 75Ω)	
Audio Connector	Stereo Phone Jack 3.5mm x 1 (2Vp-p Max · 10KΩ)	
Video bandwidth	700 MHz, -3dB	
Audio bandwidth	20 ~ 20K Hz, -3dB	
Data Link	RJ45 x 1	RJ45 x 1
DC Jack	Ø 2.0 mm x 1	x
Power Supply	DC 12V · 500mA	x
Power Consumption	400 mA (Max)	x
Temperature	Operation: 0 to 55℃, Storage: -20 TO 85℃, Humidity: up to 95%	
Dimensions mm	67 x 87 x 27	
Weight g	140	

ITEM	VW01HAT	VW02HAT	VW01HAR	VW02HAR
VGA Connector	DB15 x 1 (RGB Analog · 0.7 Vp-p 75Ω)			
Audio Connector	Stereo Phone Jack 3.5mm x 1 (2Vp-p Max · 10KΩ)			
Video bandwidth	700 MHz, -3dB			
Audio bandwidth	20 ~ 20K Hz, -3dB			
Data Link	RJ45 x 1			
DC Jack	Ø 2.0 mm x 1		X	
Power Supply	DC 12V · 500mA		X	
Power Consumption	400 mA (Max)			
Temperature	Operation: 0 to 55℃, Storage: -20 TO 85℃, Humidity: up to 95%			
Dimensions mm	70.3 x 31.6 x 115	86 x 55 x 86	70.3 x 31.6 x 115	86 x 55 x 86
Weight g	78	118	75	118

RoHS CE FC C

Rev. B