ENFORCER®

MVD-1501-1Q

VGA Distributor Over Cat5e/6 with Audio
1-in / 5-out

Manual

Includes
one transmitter and
one receiver

Up to
1920x1200
Resolution

Up to 459' (140m)

- Distributes a video signal to both a primary display and up to 4 secondary displays
- Extends VGA cable range up to 459' (140m) using Cat5e/6 at 1920x1200 resolution
- Allows for Gain and Peak adjustment
- Additional receivers available: MVD-V1101-1RQ

Additional Receiver
MVD-V1101-1RQ

SLI®   **SECO-LARM**®

RoHS

NOTE: Model numbers that end with "Q" or products that have a round green "Q" sticker signify RoHS compliance.

Introduction:

The MVD-1501-1Q is the perfect device for playing video and audio in both local and remote locations. The MVD-1501-1Q not only extends the range of traditional VGA cabling methods up to 984' (300m), but it also transmits to one local and up to 4 remote secondary displays. The ability to transmit to remote secondary displays makes the MVD-1501-1Q ideal for video playback in security, business, digital signage, and classroom settings.

Features:

- Dual outputs allow for playback on both a local display and up to 4 remote secondary display.
- Extends VGA and stereo audio signals up to 459' (140m) over one UTP Cat5e/6 at 1920x1200 resolution. Extends up to 984' (300m) with 640x480 resolution.
- Allows for Gain and Peak adjustment to adapt to different UTP cable lengths. Use Gain for brightness adjustment and Peak for skew adjustment.
- The MVD-V1501-1Q comes as a set consisting of a transmitter and receiver. The unit is built to support up to 3 additional receivers. (Additional receivers sold separately, order part # MVD-V1101-1RQ)
- Works with computer monitors and other VGA display units.
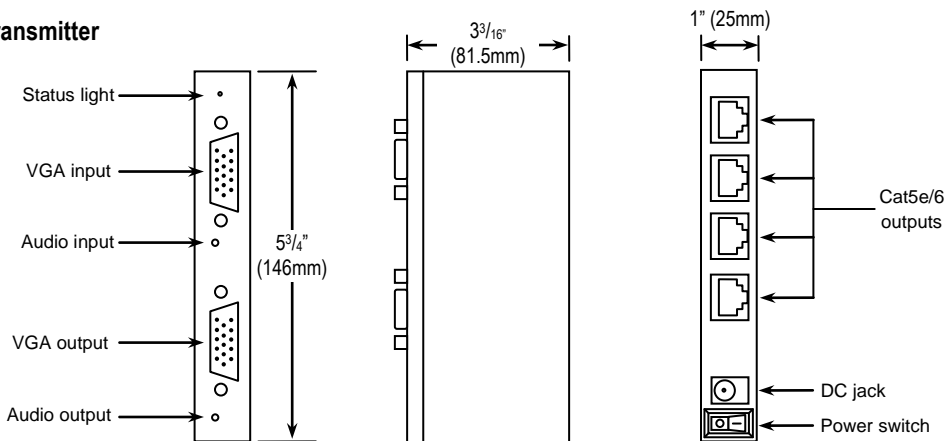
Parts List:

1 x Transmitter	2 x 5VDC power adapters	8 x Mounting screws
1 x Receiver	4 x Mounting brackets	1 x Manual

Overview:

Transmitter

Receiver

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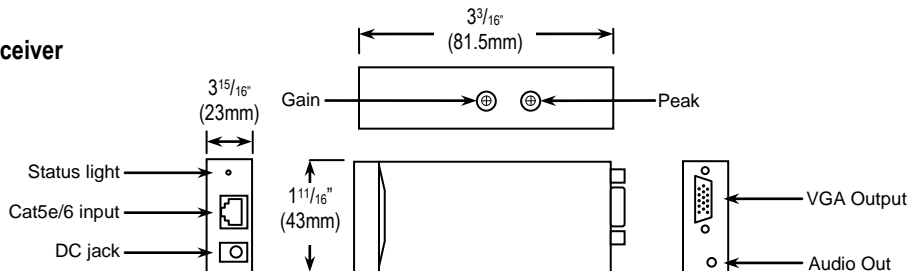
Specifications:

VGA connectors		Female 15 pin
Number of inputs		1
Number of remote outputs		4
Number of local outputs		1
Vertical frequency range		60/75/85Hz
Range	640x480; 800x600	984' (300m)
	1024x768	820' (250m)
	1280x720; 1280x1024; 1280x768; 1280x960	656' (200m)
	1600x900; 1600x1200	492' (150m)
	1920x1080; 1920x1200	459' (140m)
Size	Transmitter	$5^3/_4$"x$2^3/_4$"x1" (146x70x25 mm)
	Receiver	$3^3/_{16}$"x$1^{11}/_{16}$"x1"(81.5x43x23 mm)
Weight	Transmitter	11-oz (312g)
	Receiver	3.8-oz (108g)
Power consumption		400mA@5VDC
Operating temperature		32 ~158 F (0 ~70 C)
Operating humidity		10%~85% RH
Storage temperature		14 ~176 F (-10 ~80 C)
External power supply		2A@5VDC (2 adapters included) (2.1mm plug)

Installation:

1. Determine the location where the MVD-V1501-1Q will be wired as well as how much Cat5e/6 cable will be necessary.
2. Connect the VGA source to the transmitter's VGA Input using a VGA cable.
3. Connect the audio source to the transmitter's Audio In using a $1/_8$" TRS mini-headphone patch cable.
4. Connect a local display to the transmitter's VGA Output using a VGA cable.
5. Connect a local audio output device to the transmitter's Audio Out using a $1/_8$" TRS mini-headphone patch cable.
6. Connect up to 4 receiver units using Cat5e/6 cable. Additional receivers are available: MVD-V1101-1RQ.
7. Connect a secondary display to each receiver's VGA output using a VGA cable.
8. Connect a secondary audio source to each of the receiver's audio output using a $1/_8$" TRS mini-headphone patch cable.
9. Connect 5VDC adapters to each of the transmitters and each receiver.
10. If necessary, use a screwdriver to adjust the Peak and Gain on the side of each receiver.
11. If necessary, mount the transmitter to a wall or other surface using the included mounting bracket and mounting screws.

Sample Application:

Remote Secondary Displays

Local Display

Primary Source

$1/_8$" TRS mini-headphone patch cable

VGA Cable

Receivers*

Transmitter*

Cat5e/6
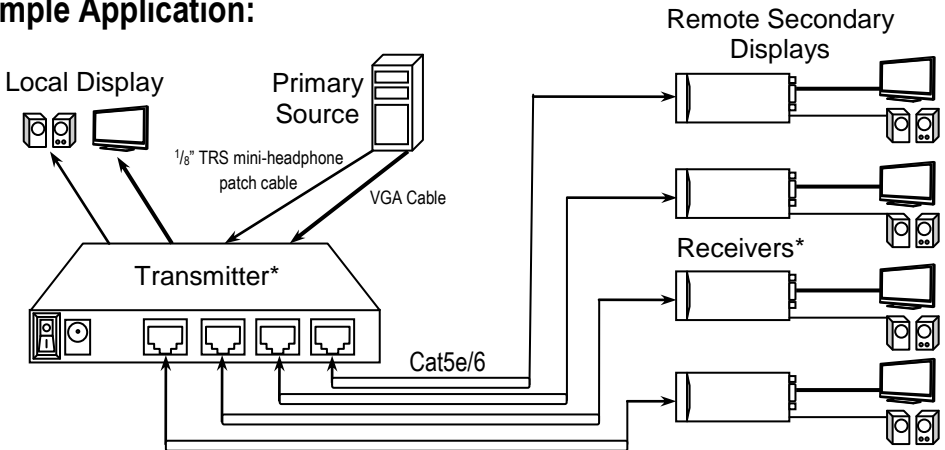
* Additional receivers are available for order: MVD-V1101-1RQ. Transmitter may not be purchased separately.

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Troubleshooting

Image is weak, faded, or blank	- Reduce cable length. - Replace with a higher-grade cable. MVD-V1201-1Q works with Cat5, but Cat5e and Cat6 allow for maximum range. - Adjust gain and peak. - Check to make sure one power supply is connected to the transmitter and another is connected to the receiver. - Check the power supplies of all devices connected to the extender. - Make sure the extender is powered on both sides. - Make sure the source and displays are powered. - Make sure the transmitter and receiver are plugged into the correct units

Products Available from SECO-LARM:

Component Video Baluns Over Cat5e/6

HDMI over Cat5e/6

VGA to HDMI Converter

HDMI Cables

Audio Baluns

HDMI Switcher

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