1x8 VGA over CAT5 Distribution Amplifier

P/N: AV-GM06S3-S1

Safety and Notice

The **AV-GM06S3-S1 1x8 VGA over CAT5 Distribution Amplifier** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the AV-GM06S3-S1 should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.

- Do not attempt to service this unit yourself, except where explained in this manual.

- Provide proper ventilation and air circulation and do not use near water.

- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.

- Use only the power adapter and power cords and connection cables designed for this unit.

- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

The **AV-GM06S3-S1 1x8 VGA over CAT5 Transmitter** provides the most flexible solution by which the high resolution PC video and high quality stereo audio can be transmitted to different locations over super long distances. Built with 2 VGA and digital/analog audio loop outs, local A/V receivers can provide extra video and audio fan-outs through typical VGA, SPDIF, and analog audio cables. The high bandwidth VGA can be transmitted up to 65 meters (210 feet) on the local ports. AV-GM06S3-S1 also extends VGA and stereo audio source up to 330 meters (1000 feet) through cost effective CAT-5 LAN cables. Accompanying the receivers of CV-97 VGA CAT5 extender series equipped with the equalization, gain control and de-skew functions, the video and audio quality can be further assured and make the quality of overall transmission superior than the other VGA splitters on the market.

To be more flexible to applications, models with 4 ports (AV-GM06R3-S1), 12 ports (AV-GM06T3-S1), and 16 ports (AV-GM06U3-S1) RJ-45 outputs are also available.

Features

- Supports up to WUXGA or UXGA to 300m (1,000ft)

- Supports analog stereo audio

- Supports S/PDIF

- Adjustable equalization and gain control on RX unit

- De-skew compensation available for RGB delay control

Note: The length depends on the characteristics and quality of the cables. Higher resolutions and longer transmission distances require low skew cables (<25ns/100m) for best performance.
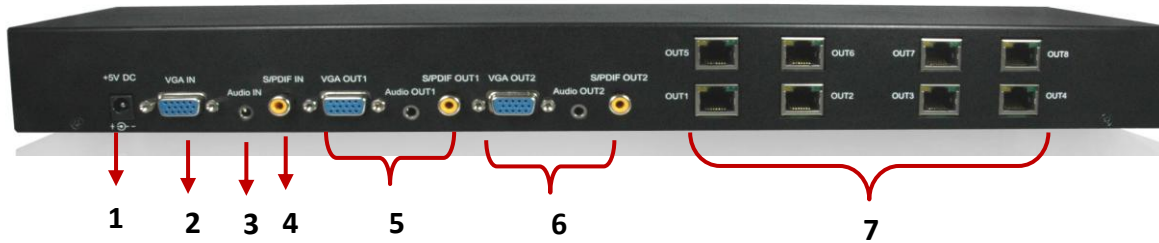
VGA source

VGA cable

VGA cable

AV-GM06
S3-S1

CAT5 cable

LCD#8

CAT5 cable

CV-917D

CAT5 cable

CAT5 cable
up to 300m (1000ft)

CAT5 cable

CV-917D

LCD #1

CV-917D

LCD #2

CV-917D

LCD #7

CV-917D

LCD #3

VGA cable

CV-917D

VGA cable

CV-917D

VGA cable

CV-917D

VGA cable

CV-917D

VGA cable

LCD #4

LCD #5

LCD #6

Package Content

- 1x AV-GM06S3-S1 unit

- 1x 5V 4A power adapter

- 1x User Manual

Technical Specifications

- Input Video Signal: 1.2 Volts p-p

- Video Input Bandwidth: 350MHz

- VGA Connector: D-Sub 15 Pin

- S/PDIF: RCA

- Analog stereo connector: 3.5 mm phone jack

- Power Supply: 5V 4A

- Power Consumption: 15 Watts (max)

- RJ-45 Connector: 2 indication LEDs

- RS-232 Connector: DSub-9

- Dimensions: 440mm x 96mm x 44mm   (L x W x H) / 540x230x115mm

- Weight: 1.4kg / 2.2kg

AV-GM06S3-S1

1. Power jack 5V DC
2. VGA Input: connect a VGA source here
3. Stereo audio Input: connect a audio source here
4. SPDIF audio Input
5. Local video and audio loop out
6. Local video and audio loop out
7. RJ45 Outputs: link to the CV-97 series receiver

Broadcasts PC A/V signals to 8 remote displays and two local receivers

1. Switch off all devices, including monitors.
2. Connect a VGA and audio source (such as a PC) to the VGA and audio In.
3. Connect to the receivers (such as CV-917-RX or CV-917D-RX) via RJ45 connectors by a CAT5e cable.
4. Plug in 5V 4A DC power supply.
5. Power on the receiver's monitors and speakers.
6. Power on the PC source.

1. All the transmission distances are measured using Belden CAT-5e 125MHz Solid cable and ASTRODESIGN Video Signal Generator VG-859C. The transmission distance is defined as the distance between the AV-GM06S3-S1 and the remote VGA display.

2. The transmission length is largely affected by the type of LAN cables, the type of A/V sources, and the type of A/V display. The testing result shows solid LAN cables (usually in 300m/1000ft form) can transmit a lot longer signals than stranded LAN cables (patch cord). Shielded STP cables are better suit than unshielded UTP cables. A solid UTP CAT5e cable shows longer transmission length than stranded STP CAT6 cable. For long extension users, solid LAN cables are your only choice.

3. EIA/TIA-568-B termination (T568B) for LAN cables is recommended for better performance.

4. To reduce the interference among the unshielded twisted pairs of wires in LAN cable, you can use shielded LAN cables to improve EMI problems, which is worsen in long transmission.

5. Because the quality of the LAN cables has the major effects in how long transmission distance will be made and how good is the received display, the actual transmission length is subject to your LAN cables. For resolution greater than 1080i or 1280x1024, a CAT-6 cable is recommended.

The SELLER warrants the **AV-GM06S3-S1 1x8 VGA over CAT5 Distribution Amplifier** to be free from defects in the material and workmanship for 3 years from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 3 years warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surge. This warranty is offered by the SELLER for its BUYER with direct transaction only. This warranty is void if the warranty seal on the metal housing is broken.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables are limited to a 30 day warranty and cable must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. Also, the technical information contained herein regarding the AV-GM06S3-S1 features and specifications is subject to change without further notice.

Support
For more info or tech support
http://www.siig.com/support

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