

RGB-YPbPr Distribution Amplifiers

Models 1T-VGA-412, 1T-VGA-414

1T-VGA-412 and 1T-VGA-414 RGB/YPbPr Distribution Amplifiers provide two or four outputs respectively for use in any situation requiring multiple outputs from a single PC or other RGB or YPbPr video source. The video bandwidth in excess of 500MHz handles computer resolutions up to 2560x1600 at distances up to 300 feet from the source without signal deterioration. Both models provide VESA industry standard DDC (Data Display Channel) bi-directional communications for host control of the downstream monitors. Input and Output connectors are HD-15 type.

Both models are housed in small rugged metal cases. They are 5VDC powered and a Power Adapter is included. The DC power connector is a locking type for security. For best performance at long distances, premium grade cable is recommended. Optional single or dual rackmount kits are available. Models are available that also handle stereo audio: 1T-DA-462, 1T-DA-472 and 1T-DA-474.

Specifications

Video Input Signal Type RGBHV, RGBS, RGsB, YPbPr Connector 1x HD-15 Female R-G-B Level Range 0.5-2.0 Vp-p Maximum Resolution 2560x1600 **Video Outputs** 1T-VGA-412 2x via HD-15 Female Connectors 1T-VGA-414 4x via HD-15 Female Connectors General R-G-B Bandwidth 500+MHz Maximum Distance Up to 300' from amplifier (Note 1) **DDC** Capability DDC1, DDC2, DDC2B (Port 1) Mechanical Size (H-W-D) 44x160x58mm (1.7"x6.3"x2.3") 1T-VGA-412 Wt (Net) 370 g (0.81 lbs) 1T-VGA-414 Wt (Net) 400 g (0.88 lbs) Warranty **Limited Warranty** 3 Years Parts and Labor



Key Features of the 1T-VGA-412/414

- Drives Monitors up to 300 feet away
- 500+MHz Signal Bandwidth
- Maximum Resolution of 2560x1600
- Handles RGB or YPbPr signal formats
- Locking DC Power Connector for Security
- 2 or 4 Output versions available
- Units can be cascaded for even greater flexibility

Environmental

Operating Temperature 0° to +40° C (+32° to +104° F) Operating Humidity 10% to 85%, Non-condensing Storage Temperature -20° to +60° C (-4° to +140° F) Storage Humidity 10% to 85%, Non-condensing

Power Requirement

External Power Supply Regulatory Approvals

Amplifier Units Power Supplies

Accessories Included

1x Power Adapter

1x Operations Manual

Optional Accessories

RM-320S

RM-320D

Product Item Numbers

1T-VGA-412 1T-VGA-414

Rackmount kit for one unit Rackmount kit for two units

5VDC@2A - Locking Plug

UL, CUL, CE, PSE, GS, RoHS

2-Output Version 4-Output Version

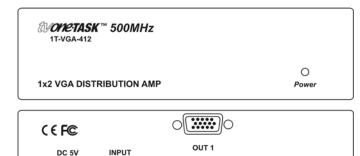
FCC, CE, RoHS

US. UK or Euro

Notes

(1) To achieve the max rated distance, use premium cables.

Panel Drawings



OUT 2



