**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

### Regulatory Approvals
- Amplifier Units: FCC, CE, RoHS
- Power Supplies: UL, CUL, CE, PSE, GS, RoHS

### Accessories Included
- 1x Power Adapter
- 1x Operations Manual

### Optional Accessories
- RM-320S: Rackmount kit for one unit
- RM-320D: Rackmount kit for two units

### Product Item Numbers
- 1T-VGA-412: 2-Output Version
- 1T-VGA-414: 4-Output Version

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