

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
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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	5VDC@2A - Locking Plug
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Regulatory Approvals

Amplifier Units	FCC, CE, RoHS
Power Supplies	UL, CUL, CE, PSE, GS, RoHS

Accessories Included

1x Power Adapter	US, UK or Euro
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.



Panel Drawings

