

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

RGB/YPbPr Distribution Amplifiers

Key Features 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
- Cascade Units for even greater flexibility



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.

1T-DA8 Series

YC/CV Distribution Amplifiers

Key Features 1T-DA8 Series

- Ultra Compact, High Performance Units
- PAL and NTSC Television Standards
- Video Bandwidth: 100MHz
- Video Outputs: 8x Composite or YC
- Locking DC Power Connector for Security



1T-DA8 Distribution Amplifiers are ultra compact, high quality products. The 1T-DA8CVB is a 1x8 DA for Composite Video with BNC connectors and the 1T-DA8SV is a 1x8 DA for YC (S-Video). The 100MHz Bandwidth insures these products will provide multiple video outputs identical to the source signal.

All models are 12VDC powered and a Power Adapter is included. For best performance, use high-grade input and output cables.

Distribution Amplifiers

Distributor / Vertrieb:

VIDELCO – Professionelle Audio- Video- Medien-Technik!
 Tel.: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu

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

All units **Size (H-W-D)**
44x160x58mm (1.7"x6.3"x2.3")

Weight (Net)

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

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

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.

1T-DA8 Series Specifications

Inputs

1T-DA8CVB	1x Composite Video via BNC
1T-DA8SV	1x S-Video via 4-Pin Mini-DIN

Outputs

1T-DA8CVB	8x Composite Video via BNC
1T-DA8SV	8x S-Video via 4-Pin Mini-DIN

Video Performance

Bandwidth	100MHz, +/-3db
Impedance	75Ω
Distortion	<0.5db
Differential Gain	<0.1%
Differential Phase	<0.1°
Isolation	>65db
Signal/Noise Ratio	>65db
Signal Gain	Unity
Television Standards	PAL-NTSC

Mechanical

Both units **Size (H-W-D)**
25x175x100mm (1"x7"x4")

Weight (Net)

1T-DA8CVB Weight (Net)	510 g (1.13 lbs)
1T-DA8SV Weight (Net)	400 g (0.88 lbs)

Warranty

Limited Warranty 3 Years Parts and Labor

Environmental

Operating Temperature	0° to +70°C (+32° to 158° C)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-25° C to +95° C (-13° to +203° F)
Storage Humidity	10% to 90%, Non-condensing

Power Requirement

External Power Supply 12VDC@500mA - Locking DC

Regulatory Approvals

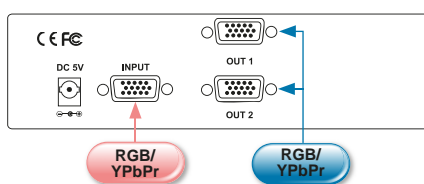
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Power Supplies	UL, CUL, CE, PSE, GS, RoHS

Accessories Included

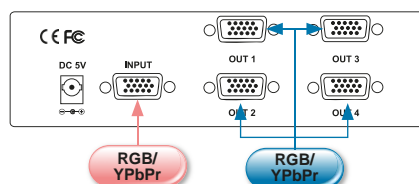
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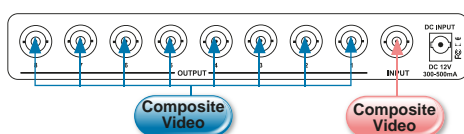
1T-VGA-412



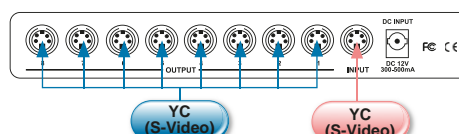
1T-VGA-414



1T-DA8CVB



1T-DA8SV



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