



## Video Test Pattern Generators

Models 1T-TG-PCHD, 1T-TG-DVI

tvoneTASK

**tvoneTASK Series** Analog and Test Pattern Generators are ultra compact, high performance products designed to meet the most demanding requirements. The output resolution and refresh rate can be selected from a wide variety of presets. Model 1T-TG-PCHD provides an Analog output via an HD-15 Connector. Model 1T-TG-DVI provides a DVI-D output via a DVI-I Connector. The twenty-five test patterns provided were selected as the most useful for video reference and troubleshooting applications. Both units are 5VDC Powered and include a small in-line Power Adapter with a locking DC Connector for security.



1T-TG-PCHD



1T-TG-DVI

### Specifications

#### Output Resolutions (Note 1)

VESA	Resolution	Format / Refresh Rates
VGA	640x480	RGBHV 50, 60, 72, 75, 85Hz
SVGA	800x600	RGBHV 50, 60, 72, 75, 85Hz
XGA	1024x768	RGBHV 50, 60, 70, 75, 85Hz
WXGA	1280x768	RGBHV 50, 60Hz
SXGA	1280x1024	RGBHV 50, 60Hz
480p	852x480	RGBHV 50, 60Hz
576p	852x576	RGBHV 50, 60Hz
720p	1280x720	RGBHV 50, 60Hz
1080i	1920x1080 (i)	RGBHV 50, 60Hz (Note 2)

#### Output Format

1T-TG-PCHD	Analog: RGBHV, YPbPr via HD15
1T-TG-DVI	DVI-D: RGBHV via DVI-I Connect

#### Test Patterns

Color Bars	Color Bars/Multi-Burst (2 types)
Grayscale-Light>Dark	Multi-Burst (Note 3)
Grayscale-Dark>Light	Checkerboard
Fade - Black to White	White, Yellow or Cyan Field
Cross Hatch - Standard	Green, Magenta or Red Field
Cross Hatch - Small	Blue or Black Field
Alt. 1 Pixel B/W Lines	H or E Pattern
Alt. 2 Pixel B/W Lines	Large Circle
Alt. 3 Pixel B/W Lines	Circles - Repeating
Alt. 4 Pixel B/W Lines	Chinese Characters (3x)

#### Key Features of Test Pattern Generators

- Ultra Compact, High Performance Units
- Analog or DVI Versions
- PC up to 1280x1024 & HDTV Resolutions
- Selectable Refresh Rates, 25 Test Patterns

#### Mechanical – 1T-TG-PCHD

1T-TG-PCHD Size (H-W-D)	1.2"x5.25"x3" (30x133x76mm)
1T-TG-DVI Size (H-W-D)	1.2"x5.75"x3" (30x146x76mm)
Weight (Net)	10 oz (285 g)

#### Environmental

Operating Temperature	0° to +48° C (+32° to +120° F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	-10° to +70° C (+14° to +158° F)
Storage Humidity	10% to 85%, Non-condensing

#### Power Requirement

External Power Supply	5VDC@2A - Locking DC
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#### Regulatory Approvals

Amplifier Units	FCC, CE
Power Supplies	UL, CE, CSA

#### Warranty

Limited Warranty	2 Years Parts and Labor
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#### Accessories Included

1x Output Cable	6' (2m) DVI-I or HD15
1x AC Power Adapter	US, UK or Euro or Type
1x Operations Manual	

#### Notes

- (1) 1T-TG-PCHD also has YPbPr output for all HDTV Resolutions.
- (2) The 1080i is actually a doubled 540p signal, which is recognized as a 1080i by most HDTV Displays.
- (2) Not a true Multi-Burst. Alternating B/W Vertical Lines.

### Panel Drawings

