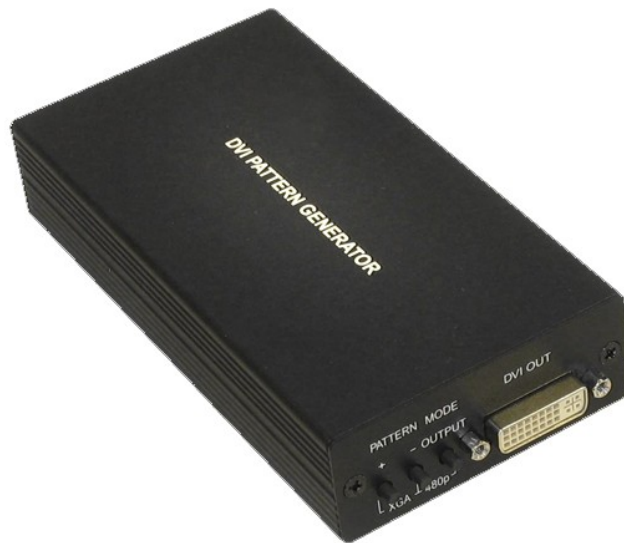


# DVI Pattern Generator ID# 634



**Operation Manual**

## Introduction

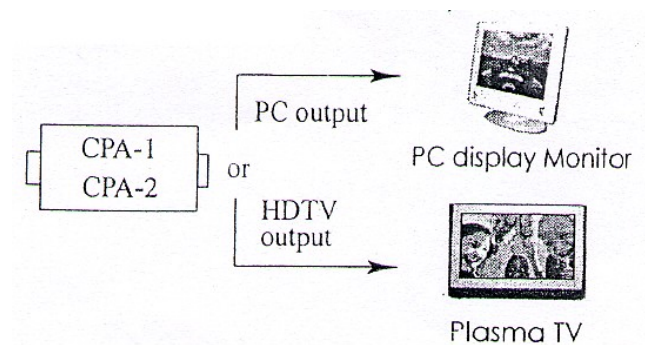
DVI Digital Pattern Generator is designed for testing digital displays LCD, Plasma, Rear Projector. It has digital DVI RGBHV output. Built-in output formats include PC and HDTV resolutions from VGA to WXGA and 480p to 1080p/i. Easy to setup and operate with multi-choice output test patterns.

There are 27 types of test patterns generated, including: Colour Bar; Colour Bar and Multiburst; 8-setup Greyscale; 8-setup Greyscale(mirror); Checkerboard; Dynamic Purity; White; Yellow; Cyan; Green; Magenta; Red; Blue; Black; Crosshatch 1; Circle 1; Crosshatch 2; English Characters H; English Characters E; Chinese 1, 2 and 3; Burst 1, 2, 3 and 4; Multiburst.

## Features

1. Simple and easy use.
2. Built in all PC / HDTV output format.
3. Many kinds of pattern such as color bar, staircase, crosshatch, character, multiburst and so on.

## Connector Block Diagram



## Operation Controls and Functions

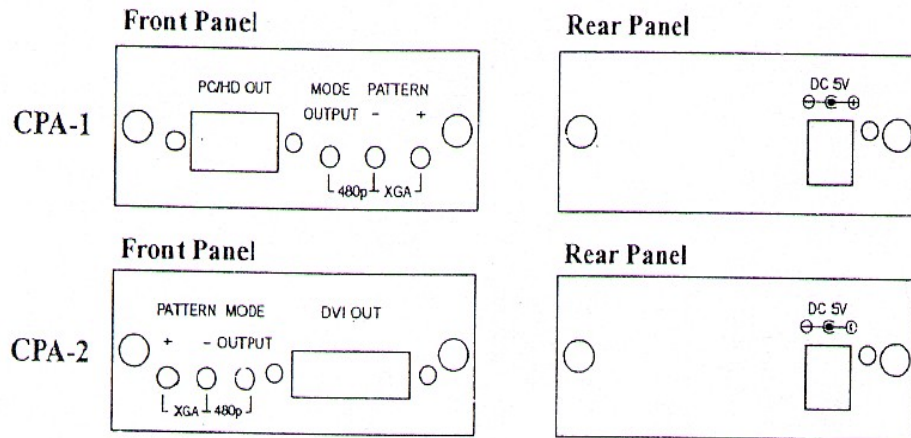
Mode: Select the output resolution.

+ or - : Select the test pattern signal such as color bar, staircase, multiburst. Press " mode, - "

: Reset the output resolution to 480p / color bar.

Press " - , + " : Reset the output to XGA / color bar.

### Front and Rear Panel



## Specifications

	CPA -1	CPA-2
<b>Output Format</b>	RGBHV, YPbPr	RGBHV
<b>Output Connector</b>	HD 15 Female	29-pines shell connector
<b>Output Signal</b>	RGB @ 0.7Vp-p, H&V Sync @ 3Vp -p, Y @ 1Vp-p, Pb,Pr @ 0.7 Vp- p 75 ohm	Digital
<b>Weight</b>	240 grams	270 grams
<b>Dimensions - HxWxD</b>	146 x 77 x 30 mm	161 x 77 x 30 min
<b>Power Source</b>	5VDC @ 2A	

### Output Signal Specifications

PC Resolutions		Vert Rate	Format	Scan Type
VGA	640 X 480	50,60,72,75,85 Hz	RGBHV	Progressive
SVGA	800 X600	50,56,60,72, 75, 85 Hz	RGBHV	progressive
XGA	1024X768	50,60, 70;75, 85 Hz	RGBHV	Progressive
WXGA	1280X768	50,60 Hz	RGBHV	Progressive
SXGA	1280X1024	50,60 Hz		
HDTV Resolutions		Vert Rate	Format	Scan Type
480p	720 x 480	50,60 Hz	YPbPr, RGBHV	Progressive
576p	720 x 576	50,60 Hz	YPbPr, RGBHV	Progressive
720p	1280 x 720	50,60 Hz	YPbPr, RGBHV	Progressive
1080i	1920x1080	50,60 Hz	YPbPr, RGBHV	Pseudo Interface

\* CPA-2 DVI is digital RGBHV output without digital YPbPr output.

### Output pattern

NO	Signal Content	NO	Signal Content
1	Color bar	15	Crosshatch 1
2	Color bar and Multiburst	16	Circle 1
3	8-setup Greyscale	17	Crosshatch 2
4	8-setup Greyscale(mirror)	18	English characters H
5	Checkerboard	19	English characters E
6	Dynamic Purity	20	Chinese
7	White	21	Chinese
8	Yellow	22	Chinese
9	Cyan	23	Burst 1
10	Green	24	Burst 2
11	Magenta	25	Burst 3
12	Red	26	Burst 4
13	Blue	27	Multiburst
14	Black	28	