

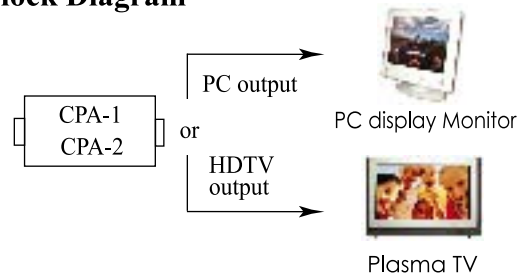
1. Introduction

CPA-1/CPA-2 is a PC or HDTV test pattern generator you can test display CRT, LCD Monitor, LCD TV, PDP, Projector, HDTV. CPA-1 is analog output. CPA-2 is DVI digital output .

2. 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.

3. Connector Block Diagram



4. Operation Controls and Functions

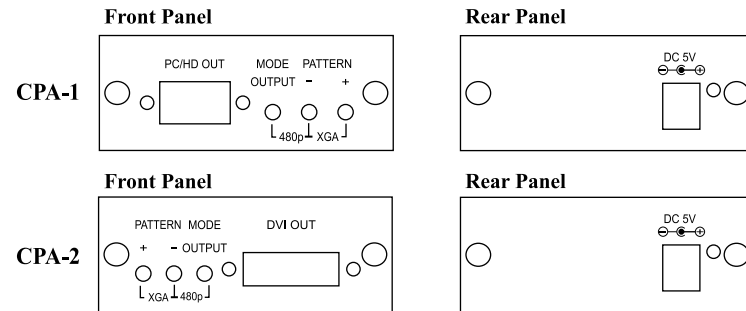
Mode: Select the output resolution.

+ 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:



5. Specifications

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

5. Specifications

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	RGBHV	Progressive
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 Interlace

* 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 鷹
7	White	21	Chinese 慧
8	Yellow	22	Chinese 龍
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	

6. What's Included

The following items are included in the standard shipping package.

1. PC/HDTV pattern generator.
2. 15 PIN D-sub to D-sub cable x 1 /CPA-1.
3. 15 PIN D-sub to YPbPr 3 RCA Cable x 1 /CPA-1 / Option.
4. DVI I to DVI I digital cable x1 / CPA-2.
5. AC power adaptor DC 5V 2A.

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