

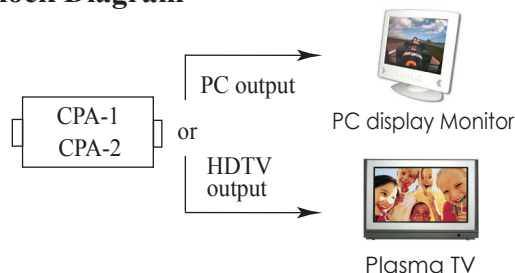
1. Introduction

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

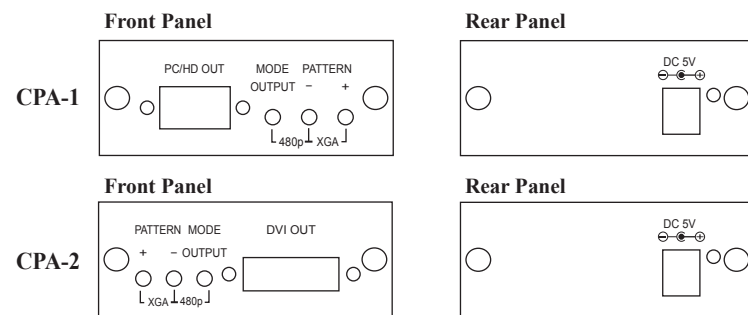
Mode: Select the output resolution.

+ 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 Singnal | 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 Interlance |

* 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.