

AFP40P40 / AFP900P30 / AFP70P30 / AFP150P20 / AFP280P15 / AFP660P10

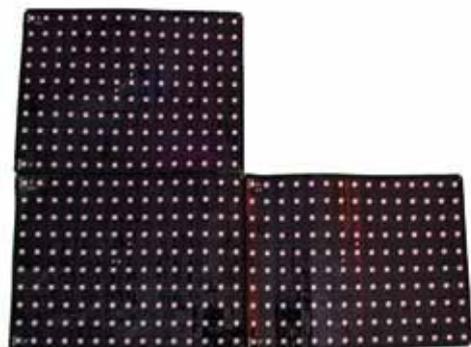
## Flexible and Modular LED Video Screen



For dynamic communication at your events or decoration of stores, trade shows, exhibitions. Construct a dynamic message, including animated logos, slide shows and even video. The screen adapts to fit the shape of the surface on which it hangs (columns, corners, etc.). Fits inside custom made furniture. Any shape or size of screen can be constructed through the assembly of either A4-size or 1m<sup>2</sup> LED sheets (Marquees, 4x3, columns, most any configuration) or ribbons (with a spacing of 10mm to 40mm). The screen is very bright (visible in daylight as well as at night), lightweight and thin (4mm). You can store your display program on an SD card or even connect your screen directly to a PC for unlimited real-time modifications.

### How it works:

Each LED is addressed directly by the controller. Each sheet connects to the next on all four sides via a slider system, and then is connected to a 4-pin plate socket which enables the creation of a screen having a surface spanning several square meters. Five types of controllers provide options for automatic or remote control.



Reference	Size (cm)	Pixels	Imax	Description
AFP40P40	95x95cm	22x22 = 484 pix	29A	Flex-panel, 40mm spacing
AFP900P30	30x20cm	5x8 = 40 pix	2,4A	Flex-panel, 40mm spacing
AFP70P20	100x100cm	50x50=2500pix	150A	Flex-panel, 20mm spacing
AFP150P20	30x20cm	10x15 = 150 pix	9A	Flex-panel, 20mm spacing
AFP280P15	30x20cm	20X14=280pix	16,8A	Flex-panel, 15mm spacing
AFP660P10	30x20cm	30x22 = 600 pix	39,6A	Flex-panel, 10mm spacing

Products meet the following standards:    Subject to modification without prior notice

# LED Screen - Flexible and Modular LED Video Screen



## Visible in daylight

- Luminosity of 3 nit/pixel, 1800 Lumens/sheet
- 120° Viewing angle in all directions
- Operating temperature = - 20° to +60° C
- Connections on each sheet: 5Volt, Data, Clock, GND
- Power consumption: 0.06 mA/LED Max

## Five types of controllers provide options for automatic or remote control

### Asynchronous Controller:

allow the display of color effects, patterns or preprogrammed animations

**CPA256B:** controls up to 256 pixels.

Creates 10 preprogrammed color effects.

**CPA256T:** controls up to 256 pixels. Creates 27 preprogrammed color effects, changeable via infrared remote control.

**CPA3072D:** controls up to 3072 pixels. Create your animations on a PC and store them on an SD memory card for display. Speed, brightness and preset stored files can be modified via infrared remote control



### Synchronous control via PC

**CPA3072R:** this Sub controller receives data from the PC and transmits it to 3072 pixels. One receiver unit required every 3072 pixels (links between receivers and to the PC via network cable RJ45). The included video software enables real-time display of video (SWF, AVI, WMV, MPG, MPEG, ASF, MPV, MPA, VCD, RM, RA, RMJ...) and photos (BMP, JPG, GIF, PCX, WMF, ICO, PNG...).

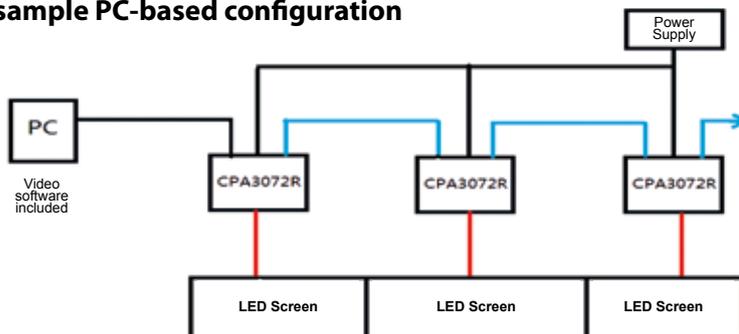


### Asynchronous control via PC and SD card reader

**CPA803TB** has a built in SD card reader. It receives data from the PC or reads the SD card memory and transmits data to CPA3072R subcontrollers via network cable RJ45. It is able to manage up to 44 subcontrollers (44x 3072= 135168 pixels).



## Diagram of a sample PC-based configuration



## Regulated Power Supply

P525: 5V/5A Power supply for controller

P5200: 5V/40A Power supply for screen panel

