

) EYE-PDP12000

Preliminary Documentation!

) PRODUCT DESCRIPTION

With the new EYE-PDP12000, eyevis' provides an innovative alternative for smaller video walls on the basis of Plasma Display Panel technology. The entire screen area has a diagonal of 120 inch (ca. 304 cm) in 16:9 aspect ratio. The screen is made up of four individual plasma screens with 60 inch diagonal each. Thanks to the virtually seamless assembly of the screens, the gap between the active screen contents measures only 4mm. Each of the four plasma screens comes with WXGA resolution, resulting in a total resolution of 2,730 x 1,536 pixels for the combined screen. The new video wall solution offers best picture properties for brightness and contrast. The ultra-fast response time allows pin-sharp images, without motion blur or judder, even with extremely fast moving content.

) FIELDS OF APPLICATION

-) Foyers
-) Board Rooms
-) Corporate Rooms
-) TV Studios
-) Entertainment Areas
-) Points of Sale
-) Digital Signage / Public Advertising

) THE ADVANTAGES OF EYEVIS PLASMA DISPLAYS AT A GLANCE

) Virtually Seamless 120" Screen

The seam size of one side has only 2mm. Viewers can enjoy the virtually seamless screen on the 2 x 2 120" multi-vision display. This virtually seamless design lets you watch natural screens without black lines on your video wall composition.

) Accurate Colour

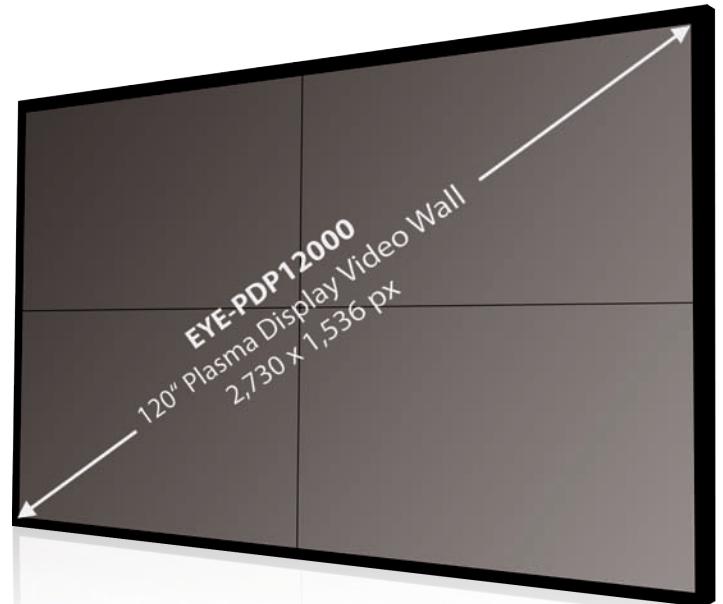
eyevis Plasma Display let you display natural and accurate color to reference monitor and standard color map. This approach allows better level of colors in expert's mode and produces images with extremely rich colors

) 600Hz Sub Field Driving

eyevis' advanced 600Hz Subfield Driving technology substantially reduces motion blur, judder and artifacts even for the fastest action sequences in movies, sports games, video games and so on.

) Ultra Bright Panel / 650 cd/m²

Latest generation plasma panel combines improved brightness and considerably low black levels to ensure on-screen images to look crisp and realistic



Only 4 mm Seam Size Active-to-Active!

) 0.001ms Fast Response Time

eyevis' plasma are engineered with self-illuminating pixels and fast response time at 0.001ms which reacts with outstanding precision to changes on the screen. This translates to remarkably fast-moving pictures with zero motion blur.

) Auto picture calibration

On the large multi-vision screen the most important point is picture uniformity of unit set respectively which composes the 2 by 2 multi-vision. Especially, brightness, color temperature and gamma curve are considerable to represent natural, vivid image to viewers. eyevis' plasma technology provides the APC System that automatically calibrates the unit set of picture level to affect the brightness, color temperature, gamma curve and so on.

Each unit set exchanges the APL (Average Picture Level) information with each other at same time. The controller (APC) feeds back appropriate picture level each unit set. Finally viewers can see the unified image on the 2 by 2 screen, working independently.

Major Calibrated Items are:

- Brightness
- Color Temperature
- Gamma Curve

) TECHNICAL SPECIFICATION

) Panel

Screen Size	120"
Native Resolution	2,730 x 1,536 (WXGA)
Pixel Pitch	0.966 x 0.966 mm
Brightness	max. 650 cd/m ² (peak 1500cd/m ² without film filters)
Seam Active-to-Active	4 mm
Contrast Ratio	1,000,000:1
Viewing Angle (H x V)	179 x 179
Color Depth	10 bit / 1,073 billion colors
Response Time	0.001ms
Power Consumption	Typical 470W
100 Hz Equivalent Driving)	Yes
Filter Type	Clear Filter
Image Sticking Minimization	Low Bright / White Sweep

) Video

Aspect Ratio	16:9
Color Temperature Control	Cool 1 / Cool 2 / Standard / Warm 1 / Warm 2 / User Control
Picture Mode	5 Mode (Standard/Vivid/Cinema/ Game/User Control)
max. PC Resolution	1920 x 1080 @ 60Hz

) Rear Inputs

DVI Input / Output	1 / 1
RGB(D-sub 15pin) Input / Output	1 / 1
RS-232C Input / Output	1 / 1
Remote Control IR	1

) Special Features

DTV Signal Compatibility	480p, 576p, 720p, 1080i, 1080p
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) Operation

Operating Temperature	10°C ~ 40°C
Humidity	20 ~ 80%
Altitude	2,000m
Life Time	60,000 hours

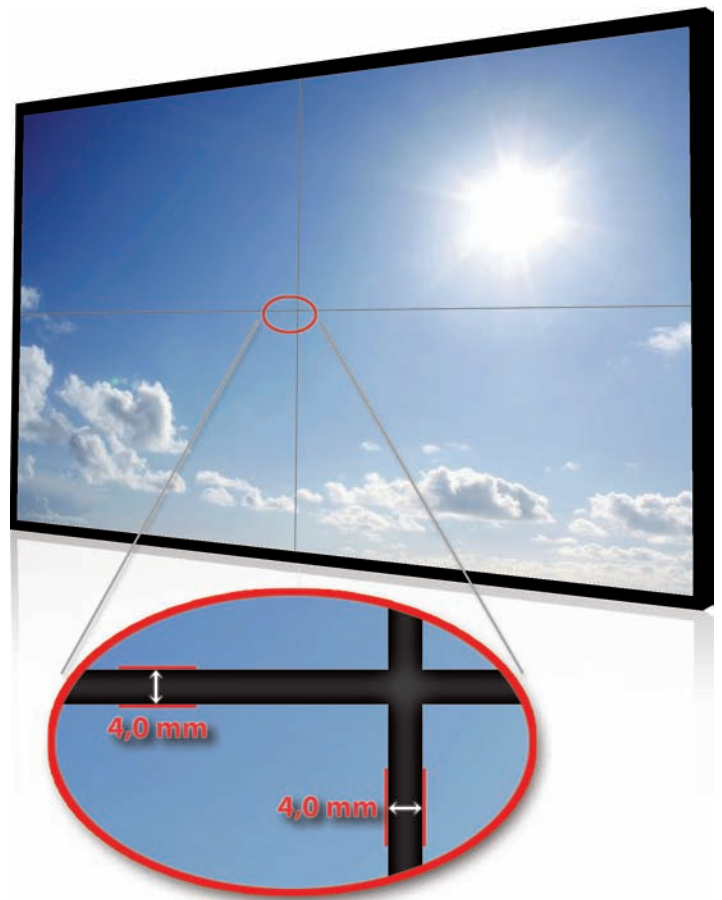
) Mechanical Specs

Dimensions (W x H x D)	2,708 x 1,565 x 73 mm
Weight (net.)	140 kgs (4 x 35 kgs)

) Power Input Condition

Power Consumption	1880 Watts (4 x 470 Watts)
Input Voltage	AC 100V to AC 240V (Capable from 90V to 264V)
Input Current	6.4A at AC 100V to 240V, 50/60Hz
Normal Frequency	50/60Hz (Capable from 47Hz to 63Hz)

eyevis EYE-PDP Series



) ECO-FRIENDLY



With its low power consumption the big screen display cuts down your electricity bills and is also eco-friendly. eyevis plasma displays do not contain hazard material like lead, mercury, etc. in their circuits and panels.

) ANTI BURN-IN PROTECTION



eyevis plasma displays feature an anti burn-in protection function in the main chip, which has several types of anti burn-in protection functionalities and more. Using these internal functions dramatically reduces burn-in effects on the display set. We also recommend activating the additional ISM-function (Image Sticking Minimization) to eliminate the risk of burn-in images.

) LONG LIFE-TIME



eyevis plasma display are engineered to provide a display life of up to 60,000 hours, providing you years and years of superb entertainment.

) OUTSTANDING WHITE UNIFORMITY



White and color uniformity is the strong point of plasma displays. eyevis plasma displays represent uniform images over the entire screen.



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As at: November 2010 • Subject to change!

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