

Infinitely Expandable Multi-Plasma

MPDP

THE **BREAKTHROUGH** OF
ULTRA-LARGE COMMERCIAL DISPLAY



ORION PDP

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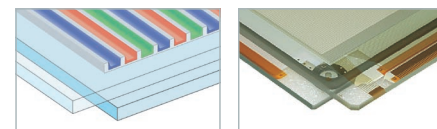
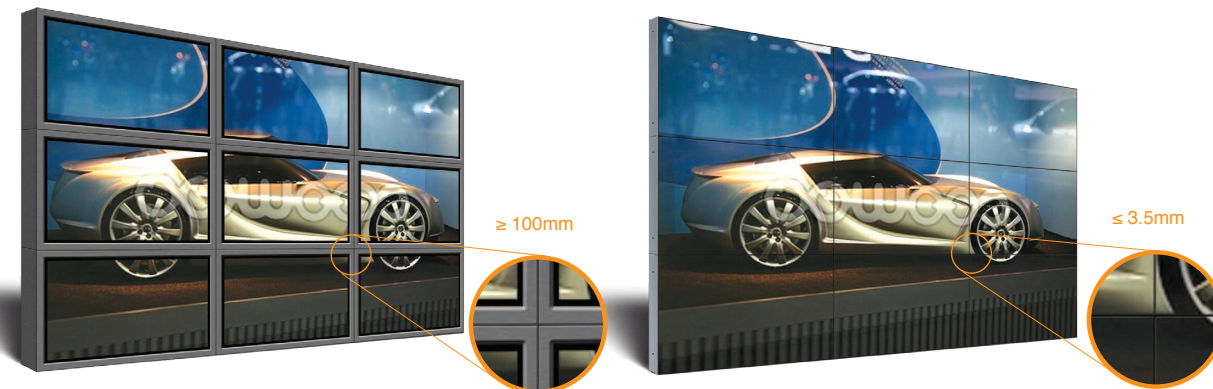
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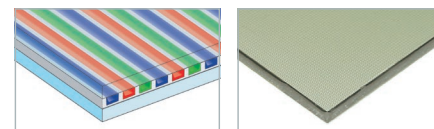
ORION PDP
ORION PDP CO., LTD.

MPDP

View the larger world with Orion PDP



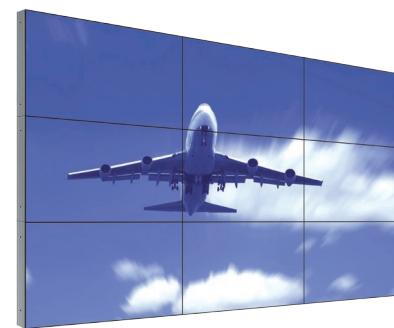
Conventional PDP



MPDP (Dead Zone Free Technology)



Rear Projection

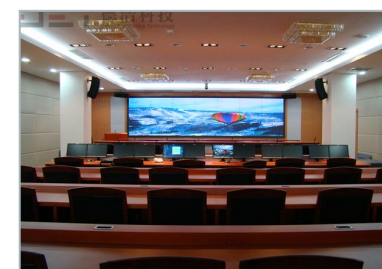


New MPDP

Using plasma technology, MPDP saves room and minimizes weight considerably compared to other large displays such as rear projection systems.

As total thickness is just 22cm from the wall, MPDP is the right choice for large display in a confined space.

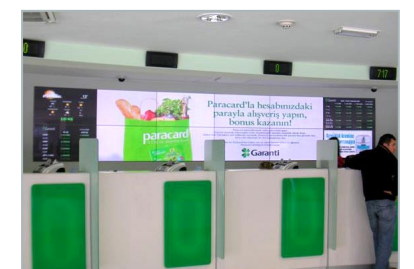
INDOOR VENUE



CONFERENCE ROOM
China
7 × 3



NEWS STUDIO
Egypt
3 × 3



BANK
Turkey
6 × 2

RETAIL SIGNAGE



SPORTS SHOP
Macao
12 × 1

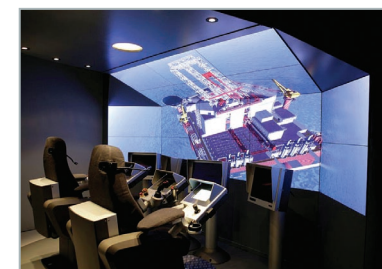


DEPARTMENT STORE
HongKong
3 × 3 Portrait

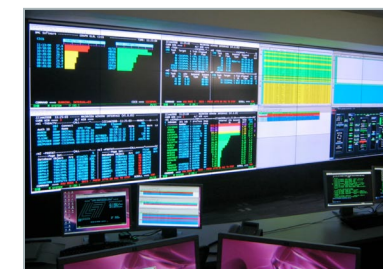


AIRPORT CAFE
Italia
6 × 2

COMMAND & CONTROL



SIMULATION ROOM
Norway
3 × 2 on 5 × 2



NETWORK CONTROL CENTRE
Mexico
8 × 4

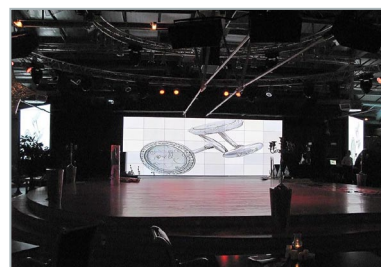


TRAFFIC CONTROL CENTRE
Germany
3 × 2

RENTAL & STAGING



CONCERT
Ukraine
4 × 5



NIGHT CLUB
Ukraine
8 × 5



MOTOR SHOW
Indonesia
5 × 4

OPM-4240X (24HRS/7DAYS)

Ever thought of using MPDP in partially open semi-outdoor application?

The optional MPDP product, OPM-4240X is designed and made to tackle some of the applications where the environmental conditions are not that appropriate for the use of MPDP products.

With special treatment on the rear of the panel and boards, the OPM-4240X can endure dust and vibration for underground or semi-outdoor applications. Due to the dust & vibration resistant design, the product can be used in information, advertisement boards on the side of the platforms in train stations and even subways (underground railways).



TRAIN STATION
Germany
3 × 3



COMPLEX MALL
Korea
4 × 3



SHOPPING MALL
Indonesia
4 × 3

Special Features of OPM-4240X



OPM-4240X



TEMPERATURE

OPM-4240X model with special black paint coating on the inner side of back cover can be used properly at the high temperature place by emitting the heat of inner PCB.



HUMIDITY-DUST

OPM-4240X model with special silicon material usage on PCB can be used properly at the place of lots of dust and high humidity environment.

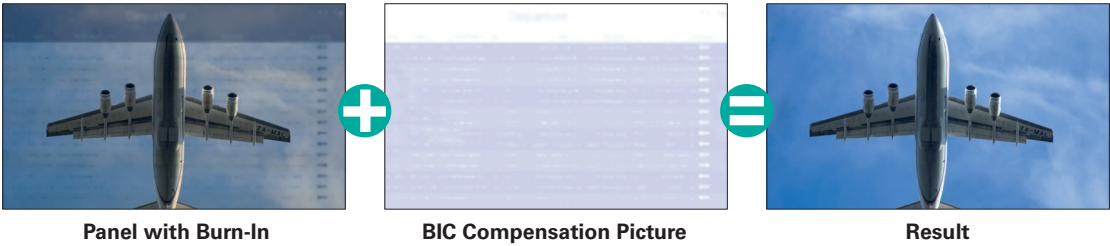


VIBRATION

OPM-4240X model with various vibration test by domestic standard specification can be used properly at the place where the vibration is serious like subway.

BIC-TECHNOLOGY (LICENSE BY COMOTRONIX)

Simply said: BIC generates a dynamically changing compensation picture to compensate any occurring inhomogene deterioration. As a result Burn-In effects become almost invisible.

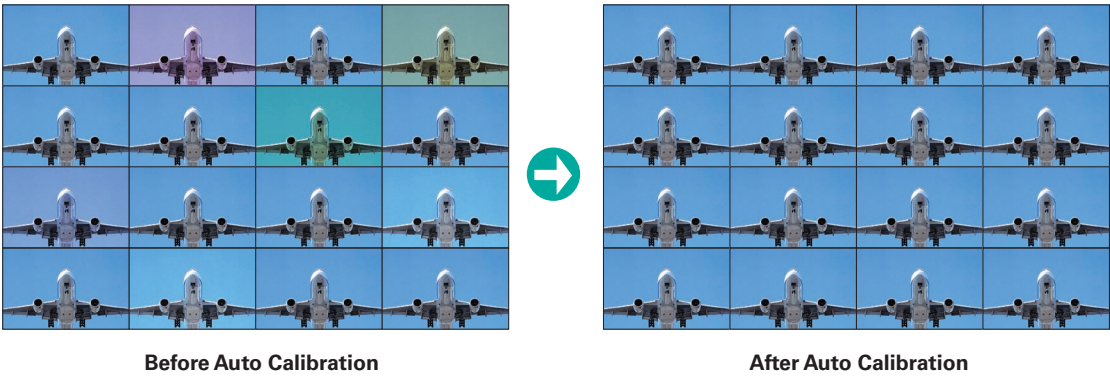


The new ORION M-PDP with BIC-technology features:

- » Highest image quality for full product lifetime.
- » No colour shifting after long term use.
- » Extremely reduced burn-in effects.
- » Ready for any kind of use, no more worries about static images.
- » Extended lifetime by LongLife-feature.

AUTO CALIBRATION

This function basically optimizes the color output of the set according to its current configuration / connection while adjusting analog data of the sources. You will be able to see maximum usage of this function with VGA input.

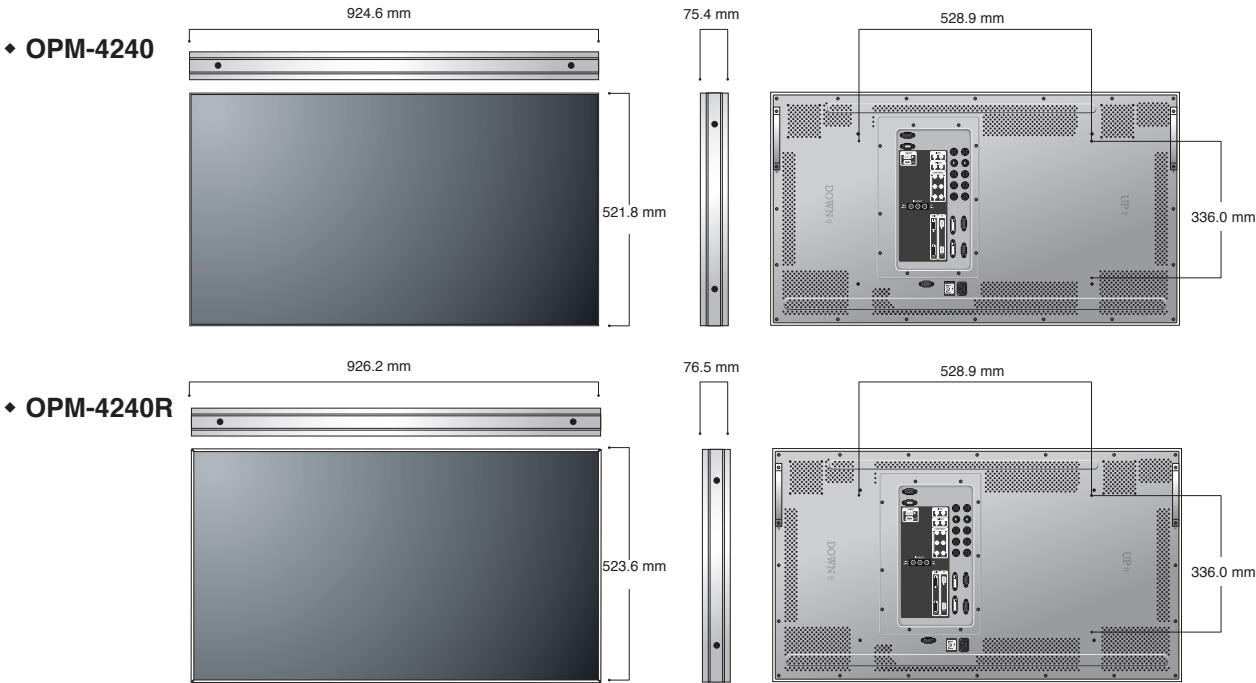


SPECIFICATION

MODEL NAME		OPM-4240	OPM-4240R
Power supply		100 ~ 240V AC. 50/60Hz	
Power consumption	Average (Typical)	300W	
	Max	360W	
Plasma display panel		42 inch, 16:9 Aspect Ratio	
	Contrast ratio	15,000 :1 (Dark Room)	
	Brightness	1,500 cd/m² (Without film & BIC)	
Burn-in effect		Burn-In Compensation (BIC)	
Feature	Special Feature	APL ON/SOFT/OFF	
	Auto Calibration	Applied	
Seam gap (In case of multi formation)		≤ 3.5mm	≤ 5mm
Environmental condition	Temperature	0°C~ 35°C	
	Humidity	20% ~ 70%	
Signal	Video signal	NTSC, PAL, SECAM	
	PC signal	SVGA, WVGA, XGA, SXGA, WXGA, UXGA	
	DVI/DTV signal	480i, 576i, 480p, 576p, 720p 1080i, 1080p	
	Frequency	Horizontal Frequency 15.5 ~75kHz	
		Vertical Frequency 50/60Hz	
Connectors		Input	Output
	Video	CVBS : BNC 1pin	CVBS : BNC 1pin
		S-Video : DIN 4pin	S-Video : DIN 4pin
	Component	Y, Pb, Pr : BNC 3pin	Y, Pb, Pr : BNC 3pin
	PC	PC RGB : D-Sub 15pin	PC RGB : D-Sub 15pin
	DVI	TMDS : DVI-D 24pin	TMDS : DVI-D 24pin
	Serial	RS-232C D-Sub 9pin(female)	RS-232C D-Sub 9pin (male)
Weight		25kg (±1kg)	

* OPM-4240X model is optionally available

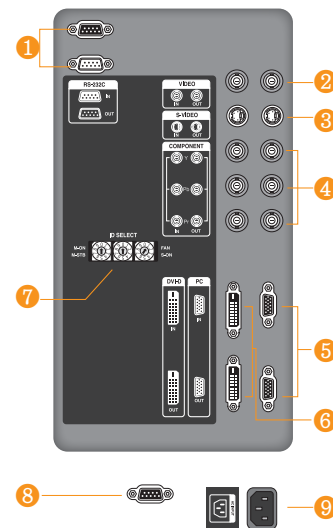
EXTERNAL DIMENSION



FEATURE

INPUT /OUTPUT TERMINAL

1. **RS-232C**
Multi-PDP Control, Firmware Upgrade, 9pin D-sub
2. **Video**
Composite Signal
NTSC, PAL, SECAM
3. **S-Video**
S-Video Signal
NTSC, PAL, SECAM, 4pin Mini Din
4. **Component**
DVD Signal
DTV - YPbPr Signal
5. **PC**
Computer RGB Analog Signal,
D-sub 15pin
6. **DVI-D**
TMDS Signal
7. **ID Switch**
Set ID Switch
8. **RS-232C(BIC)**
BIC Firmware Upgrade
9. **AC Input**
AC 100V ~240V, 50/60Hz



FEATURE

- Advanced digital circuit design
- Adopted exclusive digital processor
- User friendly remote control as well as RS-232C control
- Auto detection of NTSC, PAL, SECAM
- Image quality enhancement
- 3D comb filter(Y/C separation)
- Motion adaptive de-interlacing
- Global Offset/Film mode support/Inter field noise reduction

RS-232C CONTROL

- Power ON/OFF
- Input Select
PC, DVI, DTV, DVD, S-video, Video
- Picture Adjustment
Contrast, Brightness, Sharpness, Color, Tint
- Auto Tracking
- BIC(Burn-In Compensation) Control
- White Balance
- Design Select
Last Design/New Design
- ON/OFF Timer
- Slideshow
- Video-wall Configuration / X*Y Matrix

VARIOUS MULTI DESIGNS



MSCS (Multi Screen Control System)

- User friendly control program supplied with the monitor
- Controllable up to X(15)*Y(15) (But it can control by maximum 100sets)

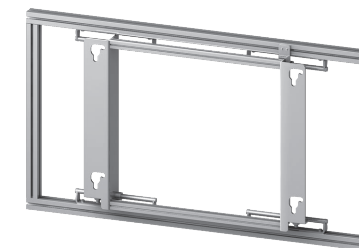


Main Image of MSCS (Multi Screen Control system)

ACCESSORIES

UNIVERSAL FRAME UNIT

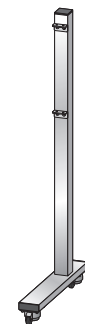
- Combine 'Main Frame' and 'Wall Bracket' for a wall hanging configuration.
- Combine 'Main Frame' and 'Stand Foot' for a floor standing configuration.



Main Frame

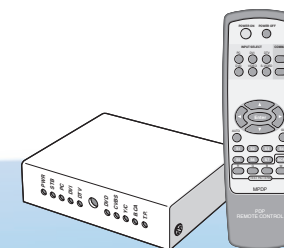


Wall Bracket

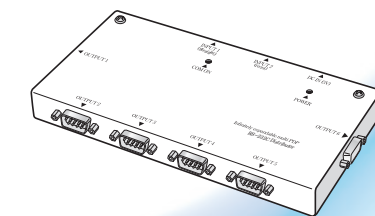


Stand Foot

CONTROL ACCESSORIES



Multi Function Controller
(Remote Control / RS-232 Booster / BIC Controller)



RS-232C Distributor
(1-in 6-out, essential for config. Over 30 units)