

Infinitely Expandable Multi-Plasma

MPDP

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



ORION PDP

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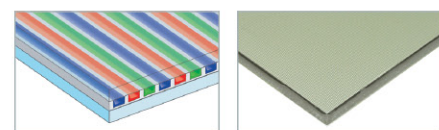


ORION PDP
ORION PDP CO.,LTD.

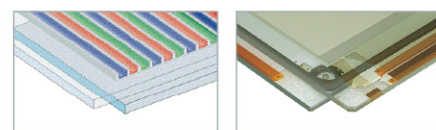
Ultimate Plasma Evolution

ORION PDP's new MPDP improves continuity of image as the Seam size is below 4mm.
By removing sidecovers, viewers can see bigger images without distortion on the screens.

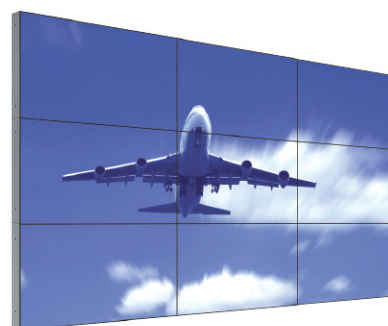
MPDP



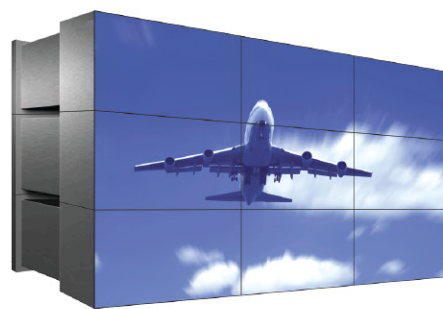
Seamless Technology



Conventional Multi-PDP



New MPDP

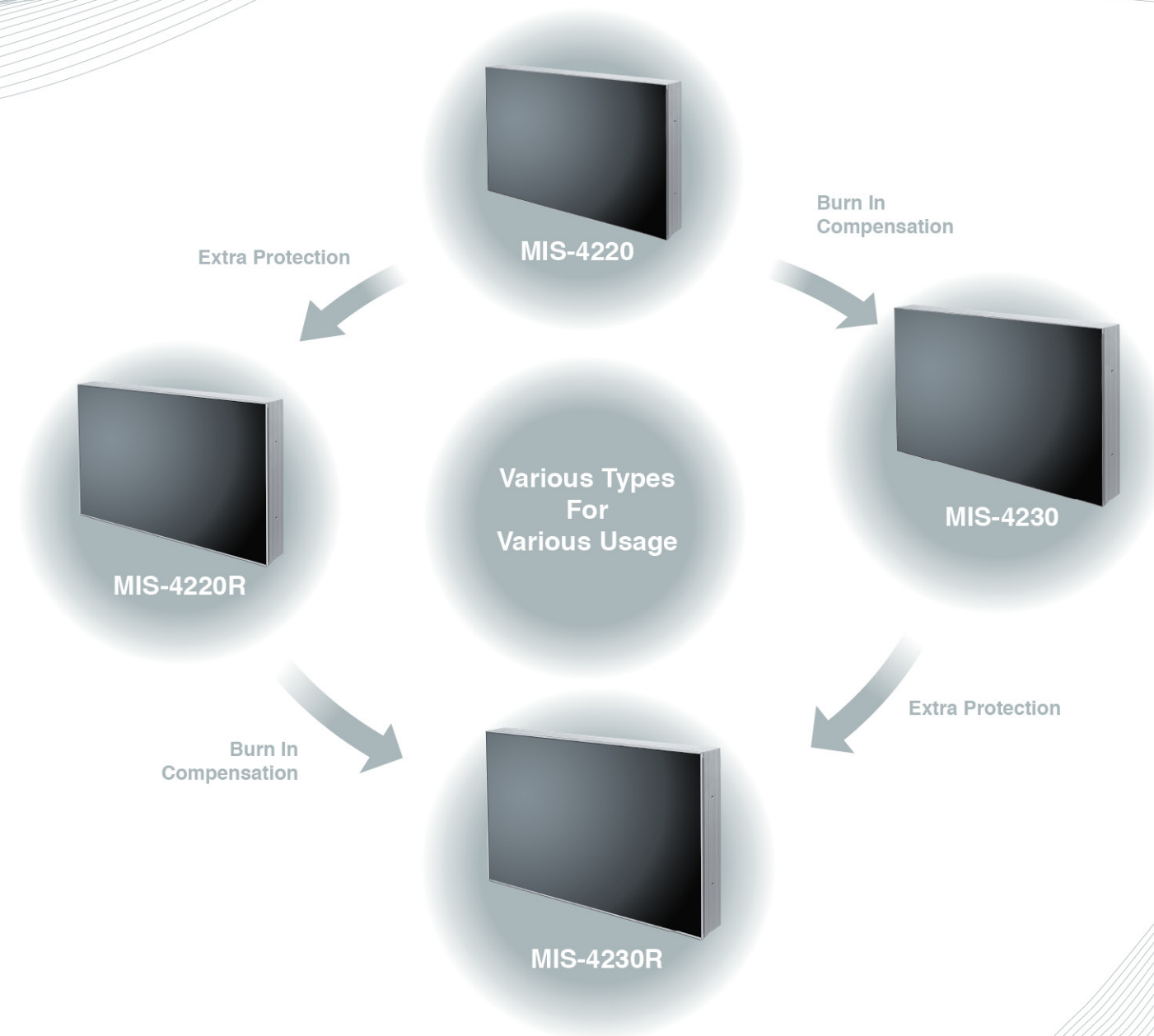


Rear Projection

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 25cm including stand or wall-mount brackets, MPDP is the right choice for large display in a confined space.

Product line-up

Shops, banks, cinemas, control rooms, exhibitions & events, etc..
Name your need, we have the perfect digital solution prepared.
Various types of MPDP to fit your specific needs.



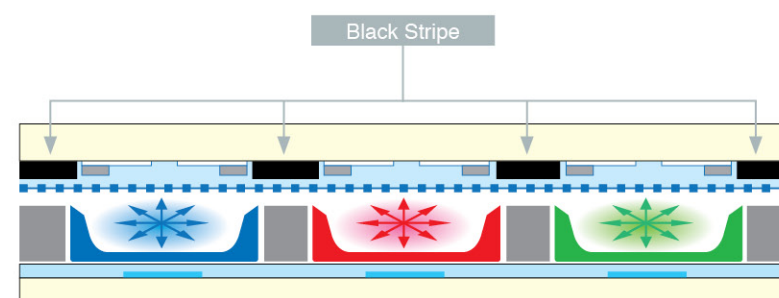
INDOOR VENUE

CONFERENCE ROOM / WORSHIP HALL / BANK

Infinitely Expandable **MPDP**



► Insertion of black stripes greatly enhances the black level and also the contrast ratio.



MIS-4220

KEEP YOUR LIGHTS ON

The appliance of the black stripes on the panel greatly enhances the black level, combined with the high brightness results in a high contrast ratio allowing the MPDP's to display clearly in bright environments.

Indoor applications such as conference room, church, mosque, broadcasting studio, bank, movie theatre where large displays need to be deployed, the seamless MPDP will be the perfect solution without dimming or turning off your lights.



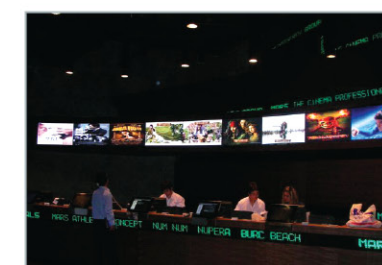
WORSHIP HALL
Korea
5 × 5



NEWS STUDIO
Romania
4 × 3



BANK
Hong Kong
10 × 3



MOVIE THEATRE
Turkey
9 × 1

RETAIL SIGNAGE

SHOPPING MALL / DEPARTMENT STORE / RESTAURANT

Infinitely Expandable **MPDP**



► Equipped with Anti-Glare Anti-Reflection filter film for a sharp and a clear display.



MIS-4220

GO AHEAD, GO DIGITAL!

Fed up with the same old boring still signage? Bring a change into your stores and malls with a lively digital solution using our MPDP. The freeness in configuration gives you a variety of designs to fit into your requirements. Lighting and daylight was a problem for retail signage applications due to glare and reflection. Coated with an AGAR(Anti-Glare & Anti-Reflection) filter film, the new MPDP reduces the glares and reflections allowing the display to be shown clearly even in semi-outdoor applications.



SHOPPING MALL
Saudi Arabia
3 × 3



DEPARTMENT STORE
United Kingdom
2 × 2 Portrait



DUTY FREE SHOP
Singapore
6 × 3



SHOPPING MALL
Australia
2 × 1

COMMAND & CONTROL

SURVEILLANCE / UTILITY CONTROL / SIMULATION ROOM

Infinitely Expandable **MPDP**



MIS-4230/4230R

BURN-IN-COMPENSATION(BIC)

Previously, plasma displays had difficulties to enter control room applications where most of the displaying contents were either static or repetitive causing severe burn-in problems. However, the MIS-4230/4230R armed with BIC technology will give a compensation of over 80% with a couple of adjustments in the first year of running.

The MIS-4230/4230R adopts the BIC technology to allow MPDP to be a solution for control rooms. Compared to the high initial and maintenance cost of previous solutions, the BIC applied MPDP(MIS-4230/4230R) provides quality and space efficiency with a budget much smaller.



COAL MINING CENTER
China
4 × 4



DISASTER CONTROL CENTER
Turkey
5 × 4



UTILITY CONTROL ROOM
Mexico
8 × 4



SIMULATION ROOM
Norway
3 × 2 on 5 × 2

► Burn In Compensation(BIC) technology applied for the MIS-4230/4230R



RENTAL & STAGING

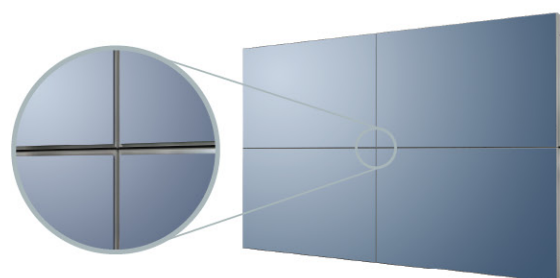
BROADCASTING / MOTOR SHOW / CONFERENCE / FASHION SHOW

Infinitely Expandable **MPDP**

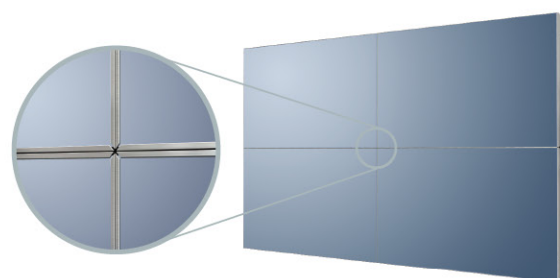


► Fortified edges suitable for rental applications

MIS-4220 / MIS-4230



MIS-4220R / MIS-4230R with Side Cover



MIS-4220R/4230R

DURABILITY VS. PERFORMANCE

In rental applications where you set up and pull down the installation regularly, the durability will be preferred than a minor loss in performance.

The 'R' type models are specifically designed to fit the needs of temporary installation by adding metal side covers for extra protection of the panel. Just a little increase in the seam size by 2mm allow you to handle the sets with much ease.

The 4230R model also has the additional function of Burn-In-Compensation for long-term rentals using static or repetitive images and contents.



TELEVISION SHOW
Korea
(1 × 3 Portrait) × 6



MOTOR SHOW
Indonesia
20 × 2



CONFERENCE EVENT
Argentina
4 × 4



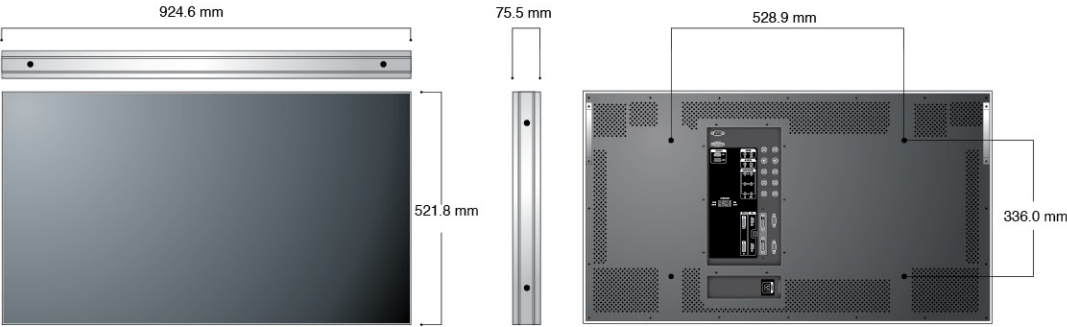
FASHION SHOW
United Kingdom
4 × 4

SPECIFICATION

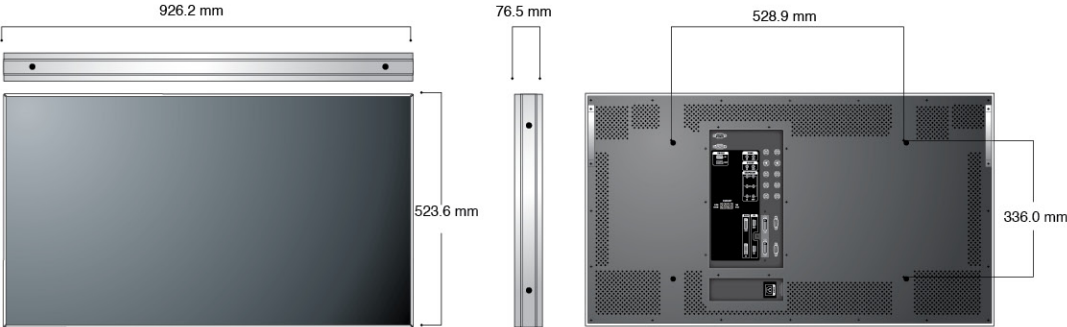
Model Name		MIS-4220	MIS-4220R	MIS-4230	MIS-4230R
Power supply		100 ~ 240V AC. 50/60Hz			
Power consumption					
	Average (Typical)	300W			
	Max	360W			
Plasma display panel		42 inch, 16:9 Aspect Ratio			
	Contrast ratio	10,000 :1 (Dark Room)			
	Brightness	1,000 cd/m ² (W/O Film)		1,000 cd/m ² (Without film & BIC)	
Burn-in effect				Burn-In Compensation (BIC)	
Front filter		AGAR (Anti Glare Anti Reflection)			
Number of pixels		853(H) X 480(V)			
Seam gap (In case of multi formation)		≤ 4mm	≤ 6mm	≤ 4mm	≤ 6mm
Environmental condition					
	Temperature	0°C~ 35°C			
	Humidity	20% ~ 70%			
Signal					
	Video signal	NTSC, PAL, SECAM			
	PC signal	SVGA, WVGA, XGA, SXGA, WXGA, UXGA			
	Frequency	Horizontal Frequency 15.5 ~75kHz Vertical Frequency 50/60Hz			
Connectors		Input		Output	
	Video	CVBS : BNC 1pin		Same as left side	
		S-Video : DIN 4pin			
	Component	Y, Pb, Pr : BNC 3pin			
	PC	PC RGB : D-Sub 15pin			
	DVI	TMDS : DVI-D 24pin			
	Serial	RS-232C D-Sub 9pin(female)		RS-232C D-Sub 9pin (male)	
Weight		26kg (±1kg)			

EXTERNAL DIMENSION

◆ MIS-4220 / MIS-4230



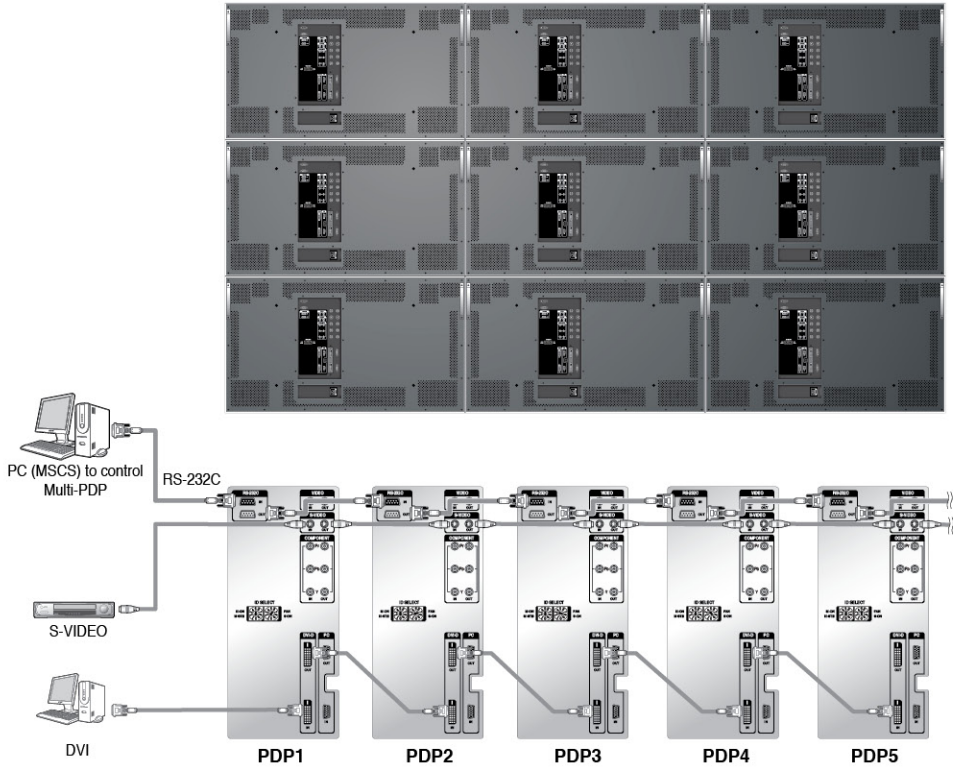
◆ MIS-4220R / MIS-4230R



CONNECTION

CONNECTING MPDP

- Each screen is connected through Daisy Chain(Link)



MSCS (Multi Screen Control System)

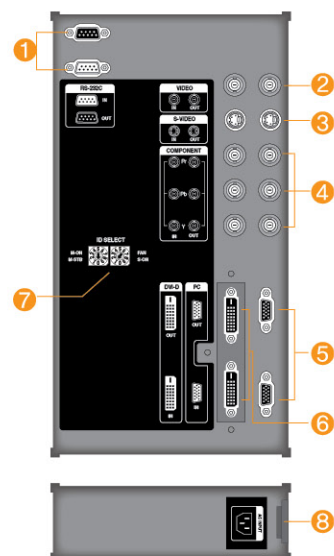
- User friendly control program supplied with the monitor
- Controllable upto 15*15



Main Image of MSCS (Multi Screen Control system)

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. **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 | • White Balance |
| • Input Select
PC, DVI, DTV, DVD, S-video, Video | • Design Select
Last Design/New Design |
| • Picture Adjustment
Contrast, Brightness, Sharpness, Color, Tint | • ON/OFF Timer |
| • Auto Tracking | • Slideshow |
| | • Video-wall Configuration
X*Y Matrix |

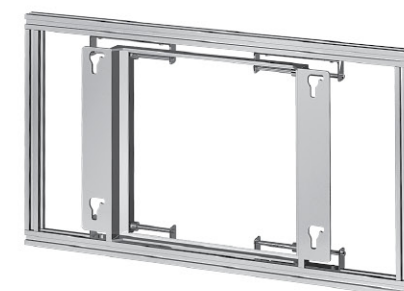
VARIOUS MULTI DESIGNS



ACCESSORIES

UNIVERSAL FRAME UNIT

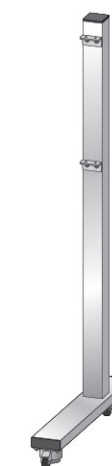
- Combine 'Main Frame' and 'Wall Bracket' for a wall hanging configuration.
- Combine 'Main Frame' and 'Stand Foot' for a floor standing configuration.



Main Frame



Wall Bracket

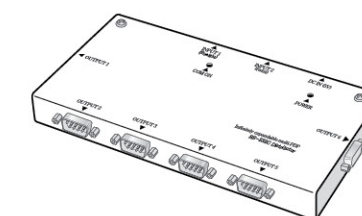


Stand Foot

CONTROL ACCESSORIES



Multi Function Controller
- Remote Control
- RS-232 Booster
- BIC Controller(For MIS4230/ MIS4230R)



RS-232C Distributor
(1-in 6-out, essential for config. over 3x3)