

Infinitely Expandable Multi-Plasma

# MPDP

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



**ORION PDP**

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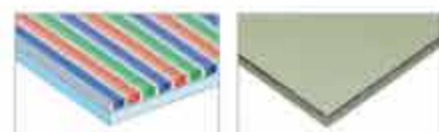


**ORION PDP**  
ORION PDP CO.,LTD.

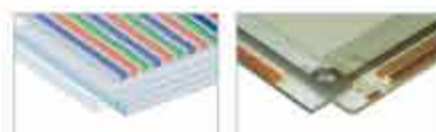
## Ultimate Plasma Evolution

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

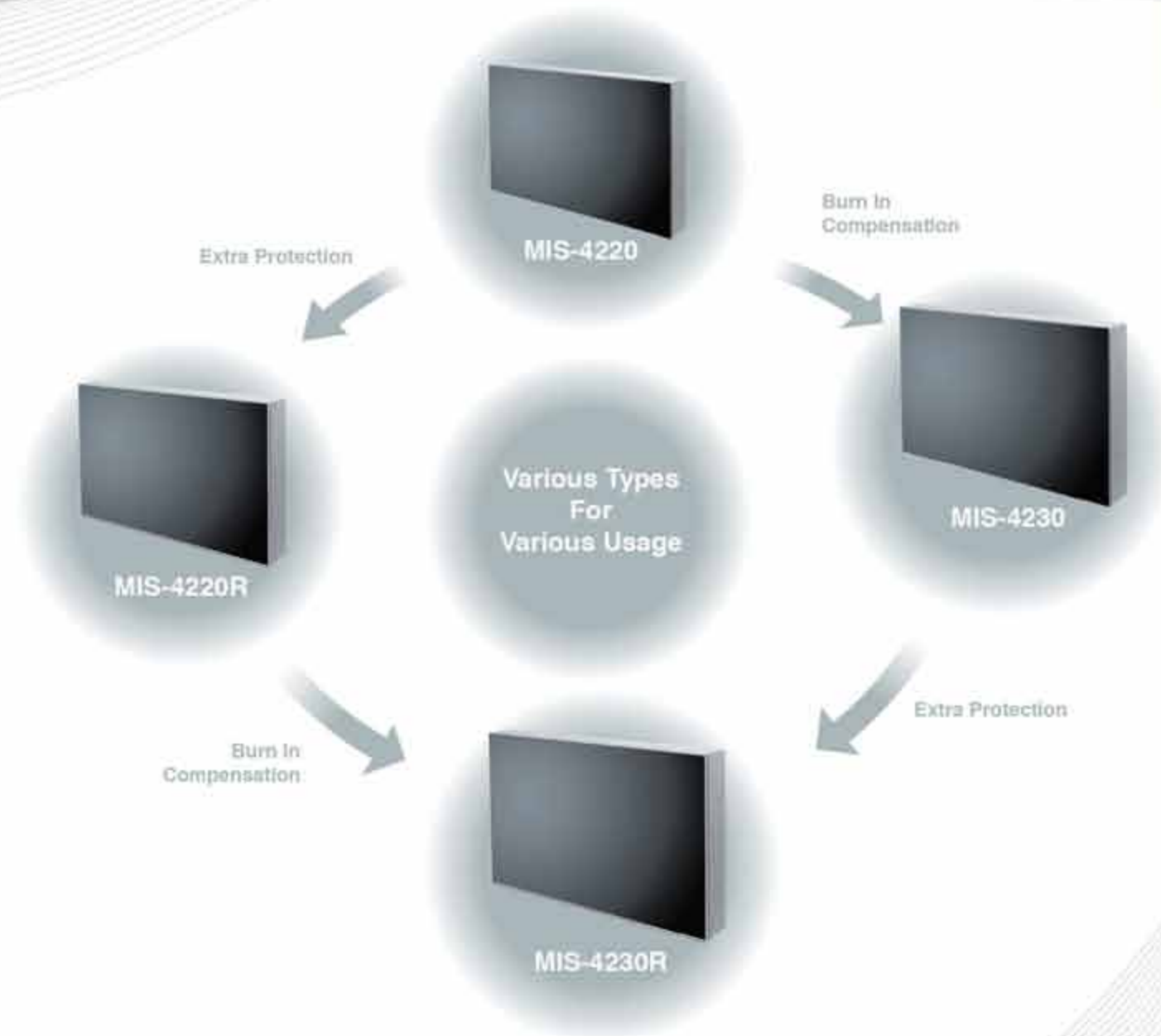


Rear Projection

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**



## MIS-4220

### KEEP YOUR LIGHTS ON

The applique 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

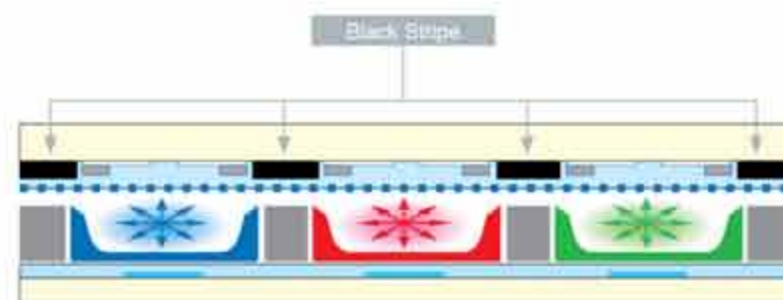


BANK  
Hong Kong  
10 × 3



MOVIE THEATRE  
Turkey  
9 × 1

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



# RETAIL SIGNAGE

SHOPPING MALL / DEPARTMENT STORE / RESTAURANT

Infinately Expandable **MPDP**



## 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 x 3



DEPARTMENT STORE  
United Kingdom  
2 x 2 Portrait



DUTY FREE SHOP  
Singapore  
6 x 3



SHOPPING MALL  
Australia  
2 x 1

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



# 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

Infinitely Expandable **MPDP**

BROADCASTING / MOTOR SHOW / CONFERENCE / FASHION SHOW



## 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



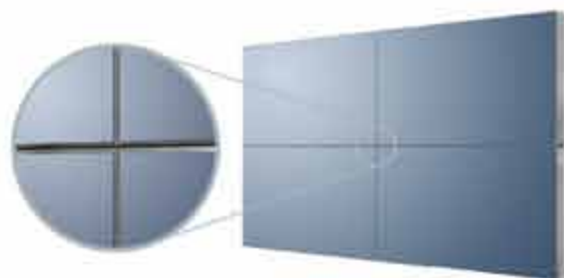
CONFERENCE EVENT  
Argentina  
4×4



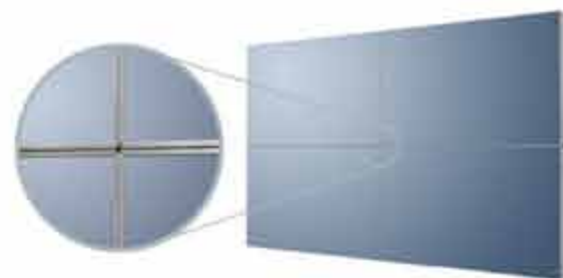
FASHION SHOW  
United Kingdom  
4×4

► Fortified edges suitable for rental applications

MIS-4220 / MIS-4230



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



TECHNOLOGY

PRODUCT LINE-UP

APPLICATIONS

SPECIFICATION

CONNECTION

FEATURE

ACCESSORIES

# SPECIFICATION

# CONNECTION

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

## EXTERNAL DIMENSION

### • MIS-4220 / MIS-4230

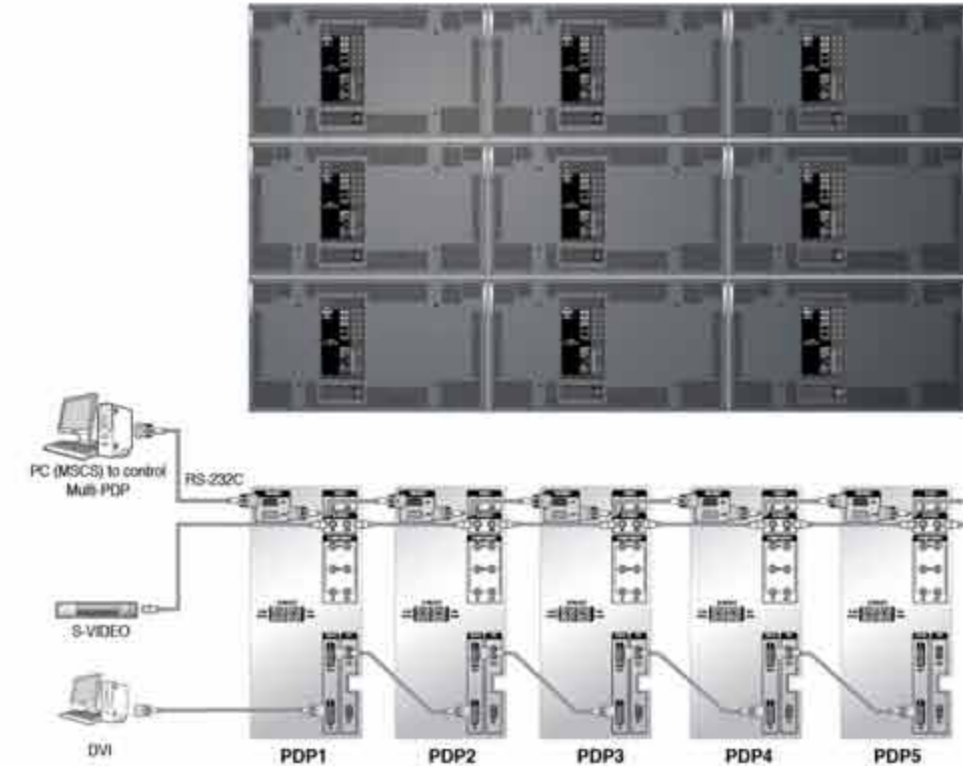


### • MIS-4220R / MIS-4230R



## 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

# ACCESSORIES

## 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

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Power ON/OFF</li> <li>• Input Select<br/>PC, DVI, DTV, DVD, S-video, Video</li> <li>• Picture Adjustment<br/>Contrast, Brightness, Sharpness, Color, Tint</li> <li>• Auto Tracking</li> </ul> | <ul style="list-style-type: none"> <li>• White Balance</li> <li>• Design Select<br/>Last Design/New Design</li> <li>• ON/OFF Timer</li> <li>• Slideshow</li> <li>• Video-wall Configuration<br/>X*Y Matrix</li> </ul> |
|--|---|

## VARIOUS MULTI DESIGNS



## 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)