

Infinitely Expandable Multi-Plasma

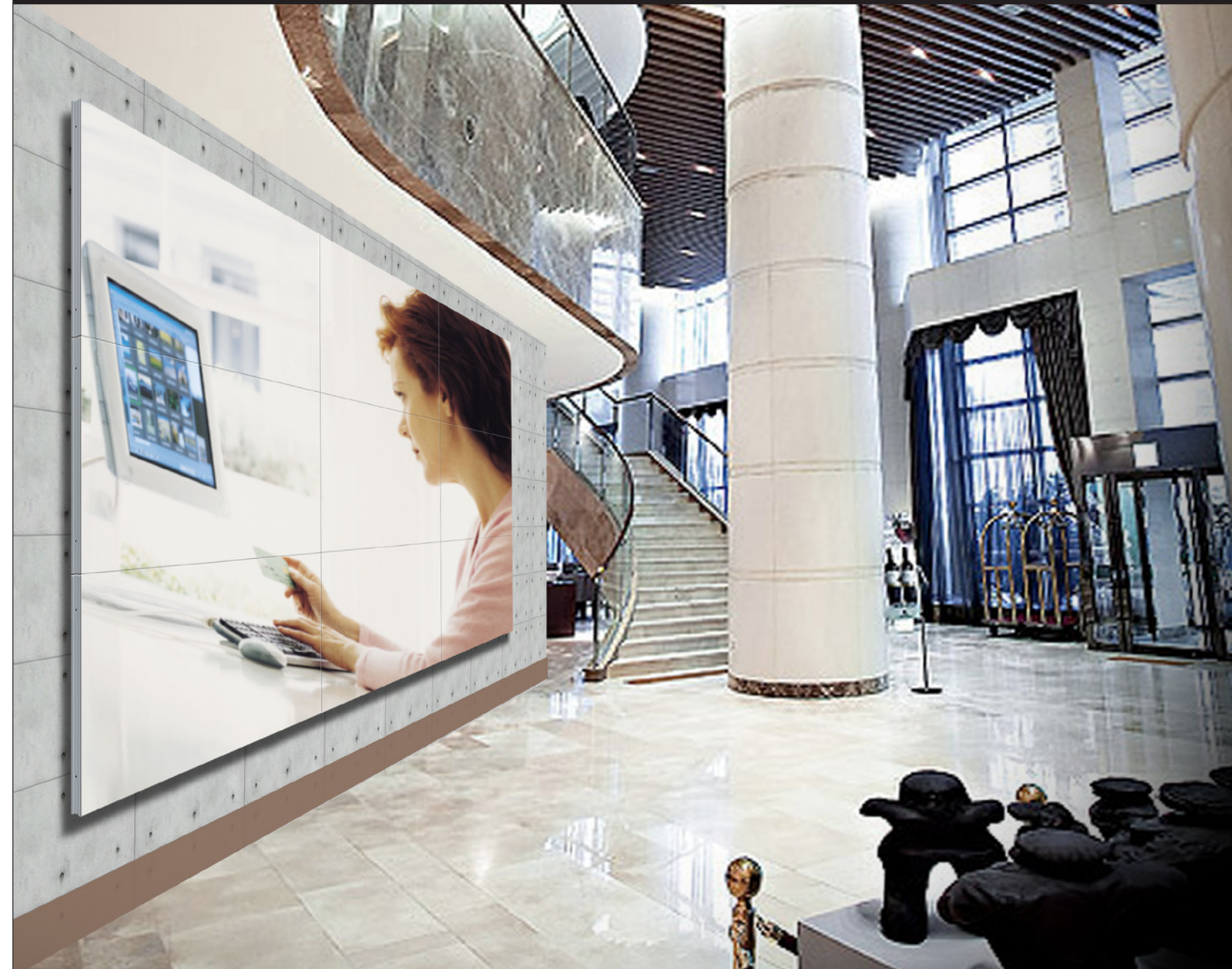
MPDP

THE BREAKTHROUGH OF ULTRA-LARGE COMMERCIAL DISPLAY



ORION PDP
ORION PDP CO., LTD.

4F., ILSHIN BLDG., 15-15, YEQUIDO-DONG, YEONGDUNGPO-GU, SEOUL, REPUBLIC OF KOREA
TEL: 82-2-6678-8505 FAX: 82-2-6678-8599
sales@oriondisplay.net
www.oriondisplay.net



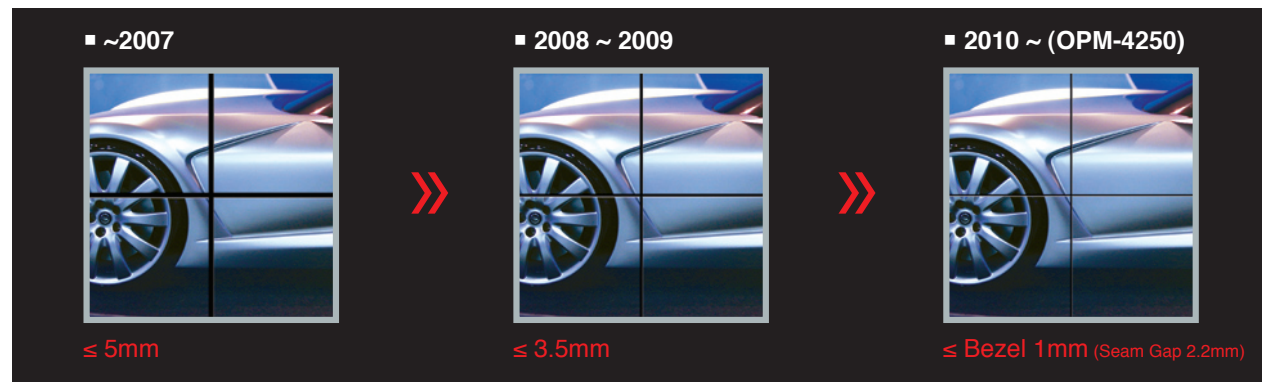
ORION PDP
ORION PDP CO., LTD.

MPDP

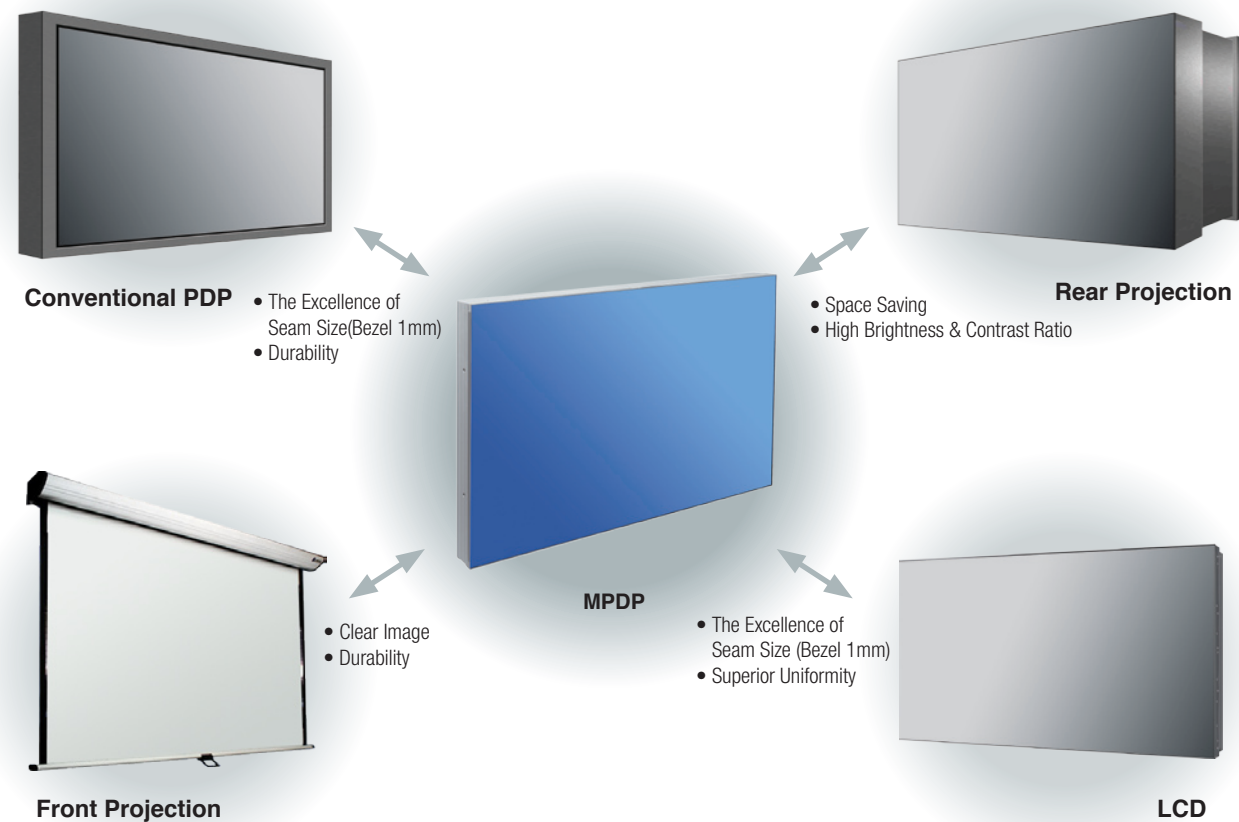
You can see more than what you're seeing...

SEAM GAP EVOLUTION

Seam Gap has been reduced drastically from conventional PDP to the next to improve tiling performance and esthetics. MPDP offers the best video wall solution as the world's thinnest large-format display seamsizes. With only bezel 1mm (Seam Gap 2.2mm between panels), the MPDP minimizes image viewing distortions allowing the delivery of a clear large image to the viewers.



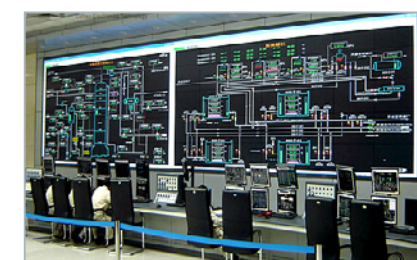
THE STRENGTH OF MPDP



» COMMAND & CONTROL



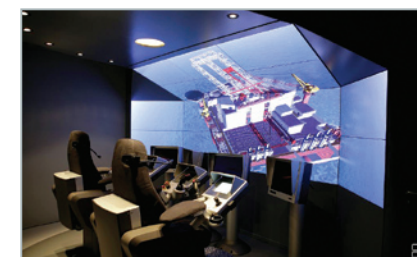
BROADCASTING CONTROL CENTER | 6×3
China



COAL MINING CONTROL CENTER | 13×5
China



ELECTRIC CONTROL CENTER | 12×6
China



SIMULATION ROOM | 3×2 ON 5×2
Norway



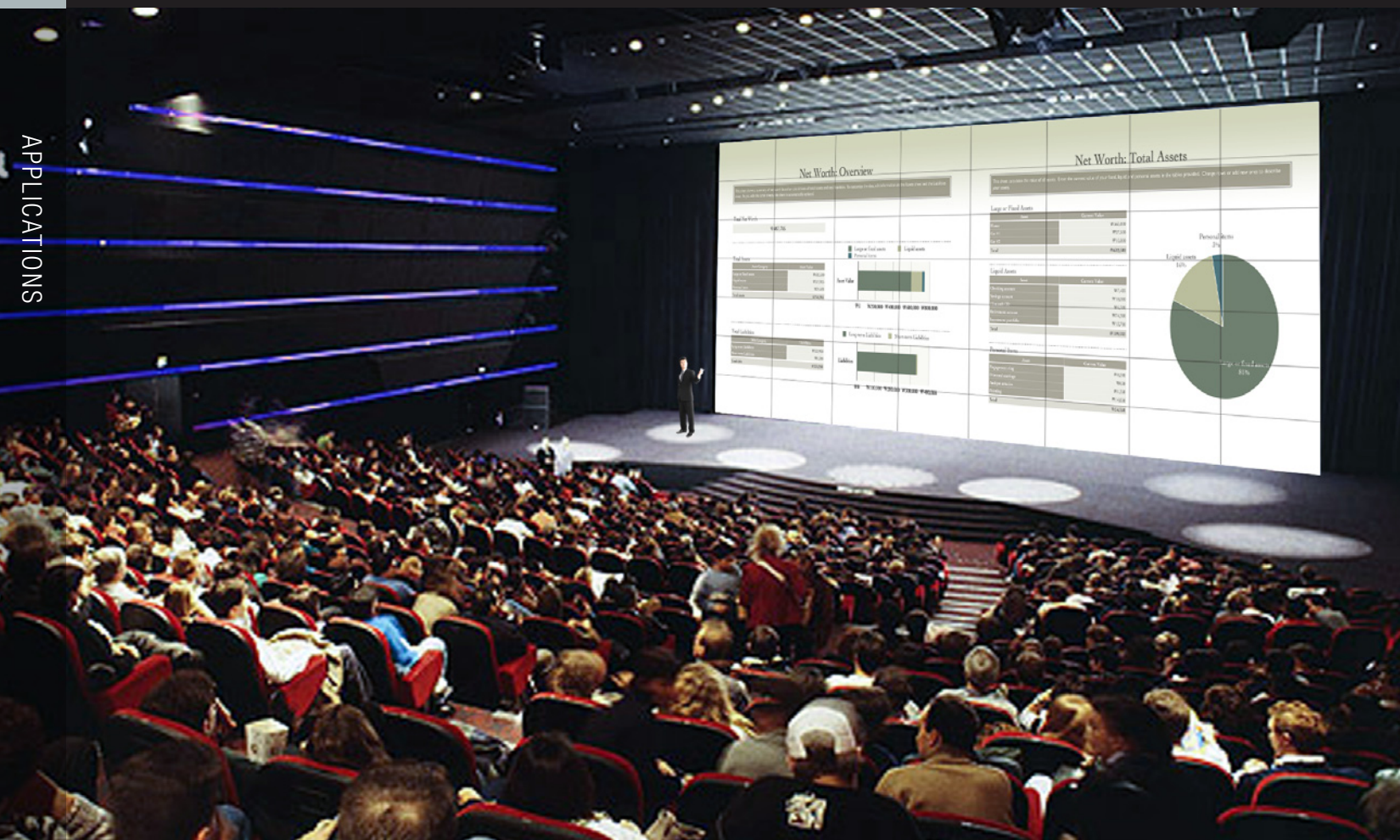
NETWORK CONTROL CENTER | 8×4
Mexico



TRAFFIC CONTROL CENTER | 3×2
Germany

» INDOOR VENUE

» RETAIL SIGNAGE



BROADCASTING STUDIO | 2x2
Israel



MAIN LOBBY | 1x12
UK



CONFERENCE ROOM | 5x3
China



LUXURY SHOP | 3x3
Indonesia



AIRPORT SHOP ADVERTISING | 7x3
Singapore



TOY SHOP | 3x3
USA



AUDITORIUM | 3x3
China



RAILWAY STATION | 3x3
Russia



STOCK MARKET | 4x8
USA



SPORTS SHOP | 12x1
Macao



DEPARTMENT STORE | 3x3 PORTRAIT
HongKong



AIRPORT CAFE | 6x2
Italy

» RENTAL & STAGING



» OPM-4250X (24HRS/7DAYS)

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

The optional MPDP product, OPM-4250X 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-4250X 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).

Special Features of OPM-4250X



HIGH TEMPERATURE

With special treatments made on the back cover, OPM-4250X can operate in high temperature environments



HIGH HUMIDITY/DUST

The circuit boards of the OPM-4250X has extra-protection sealings allowing operations in humid and dusty conditions.



VIBRATION

With the use of a specially designed wall bracket, the OPM-4250X can also be used in places where vibrations exist such as subway stations.



EVENT | 5x5
Germany



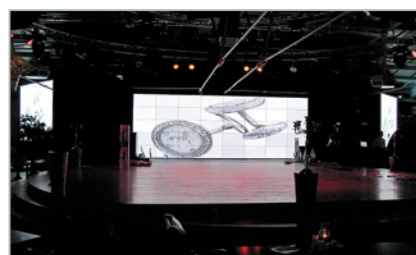
CONFERENCE | 7x4
UK



CONCERT | 5x4
Indonesia



CONCERT | 4x5
Ukraine



NIGHT CLUB | 8x5
Ukraine



MOTOR SHOW | 5x4
Indonesia



TRAIN STATION 3x3
Germany



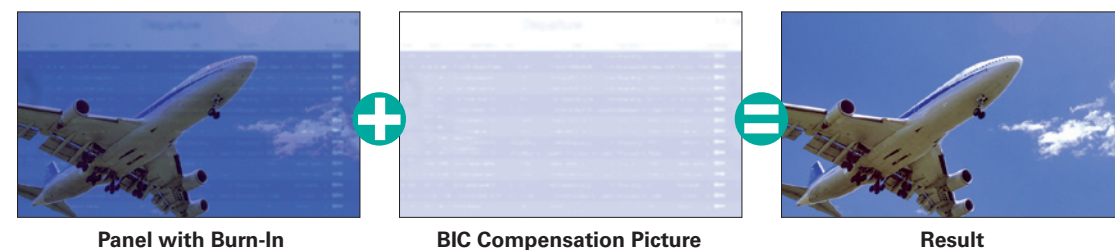
COMPLEX MALL 4x3
Korea



SHOPPING MALL 4x3
Indonesia

» BIC-TECHNOLOGY

Principle: 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 MPDP with BIC-technology features:

Highest image quality for full product lifetime.

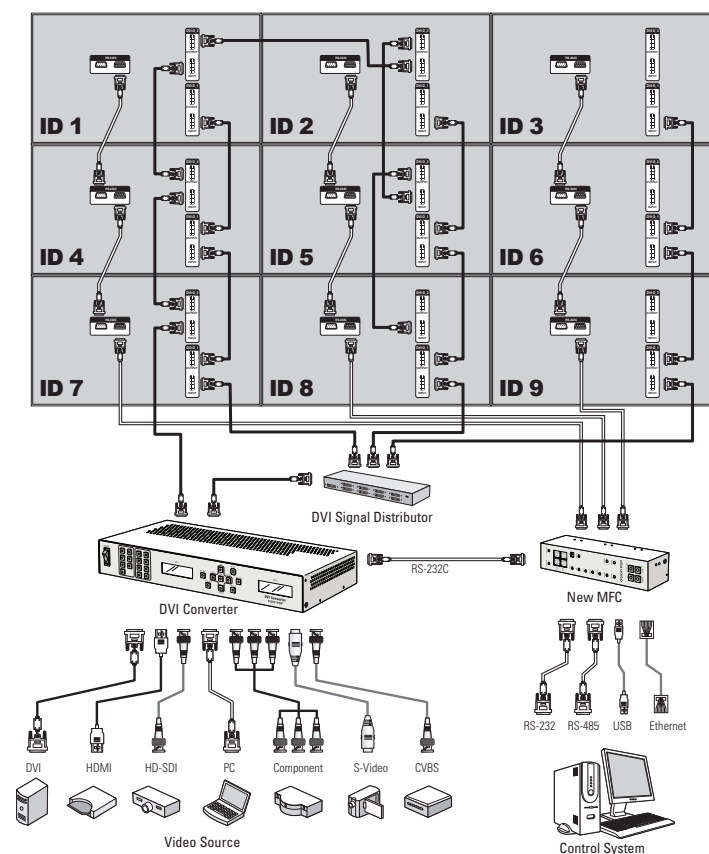
No color shifting after long term use.

Extremely reduced burn-in effects.

Ready for any kind of use, no more worries about static images.

※ BIC-technology is licenced by Comotronix GmbH

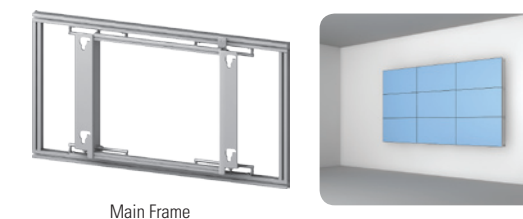
» SYSTEM CONNECTION



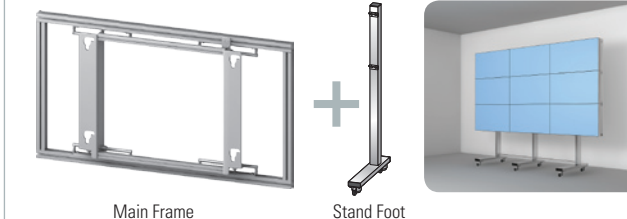
» OPTIONS

MAIN FRAME

Hanger Type



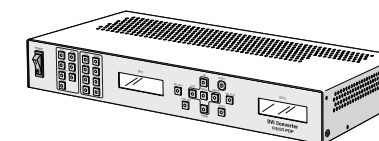
Stand Type



EXTRA ACCESSORIES

DVI Converter

(Converting diverse display signal input into DVI output)



- Analog Input: RGB, component, S-Video, CVBS
- Digital Input: HD-SDI, DVI, HDMI
- DVI Output: 2 DVI output (~UXGA), PIP function
- Control: RS-232C, Ethernet control, control through combined MSCS

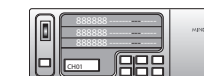
Auto White Balance Package

(The package item to adjust white balance easily)

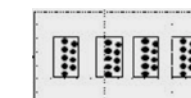
1. Portable Video Pattern Generator



2. Color Analyzer



3. USB to RS-232C Multi Port with Cables

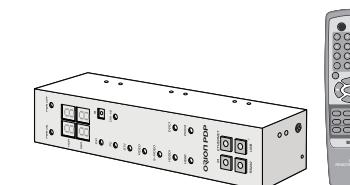


4. Auto White Balance Program



MFC (Multi Function Controller)

- **Input:** RS-232C Booster, USB Connection, Ethernet control, IR function
- **Output:** 4 RS-232C (Daisy chain 25pcs each RS-232C port / Total 100)
- **Function:** BIC Control, RS-232C Booster, Remote Control, USB & Ethernet Control.

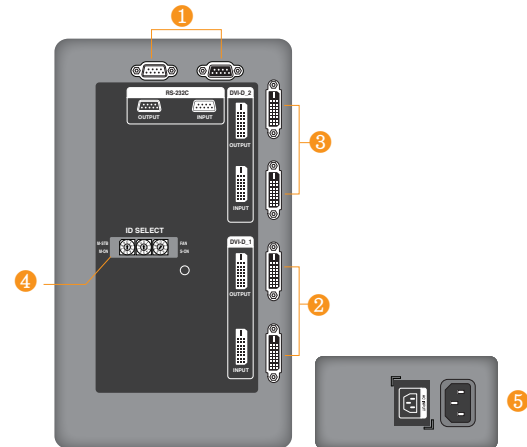


Functions		OPM-4250
Remote Control	Power On & Off	○
Mode Change	DVI 1 / DVI 2	○
Set Up of SET No.		○
Indication of SET No.	7-SEGMENT	○
Broadcast	Set On & Off (All at once)	○
BIC Control	BIC	○
Port	D-Sub(M/F)	○(5)
	USB	○
Ethernet	Network Communication	○

FEATURE

INPUT /OUTPUT TERMINAL

- 1.RS-232C**
MPDP Control,
Firmware Upgrade,
9pin D-sub
- 2.DVI 1**
TMDS Signal
- 3.DVI 2**
TMDS Signal
- 4.ID Switch**
Set ID Switch
- 5.AC Input**
AC 100V ~240V, 50/60Hz



MSCS (Multi Screen Control System)

- User friendly control program supplied with the monitor
- Controllable up to Maximum of 100 sets (Limited to 15 units per axis)



Main Image of MSCS

FEATURE

- Advanced digital circuit design
- Adopted exclusive digital processor
- User friendly remote control as well as RS-232C control
- Image quality enhancement
- Motion adaptive de-interlacing
- Global Offset/Film mode support/Inter field noise reduction
- HDCP 1.1
- 2D peaking, Color Enhancement, Video Enhancement
- HDTV Deinterlacing
- Advanced Noise Reduction

RS-232C CONTROL

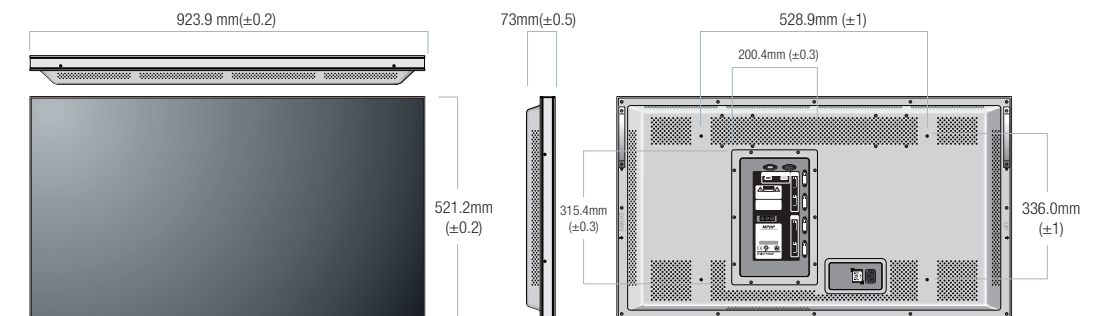
- Power ON/OFF
- Input Select
- DVI 2 Channel (HDCP)
- Picture Adjustment
Contrast, Brightness, Sharpness
- BIC(Burn-In Compensation) Control
- White Balance
- Design Select
Last Design/New Design
- Slideshow
- Video-wall Configuration / X*Y Matrix

SPECIFICATION

Model Name		OPM-4250	OPM-4250R
Power supply		100 ~ 240V AC, 50/60Hz	
Power consumption	Average (Typical)	300W	
	Max	360W	
Plasma display panel		106Cm (42), 16:9 Aspect Ratio	
	Contrast ratio	30,000 : 1 (Dark Room)	
	Brightness (Peak)	1,700 cd/m ² (Without film)	
Anti Burn-in Function		Burn-In Compensation (BIC)	
Front filter		AGAR (Anti-Glare, Anti-Reflection)	
Number of pixels		853(H) X 480(V)	
Bezel (Seam Gap)		1mm (Seam Gap 2.2mm)	1.5mm (Seam Gap 4mm)
Environmental condition	Temperature	0°C ~ 35°C	
	Humidity	20% ~ 70%	
Input /output Terminal		Input	Output
	DVI 1 (HDCP)	DVI-D 24pin	DVI-D 24pin
	DVI 2 (HDCP)	DVI-D 24pin	DVI-D 24pin
	Serial	RS-232C D-sub 9pin(female)	RS-232C D-sub 9pin
Weight		22kg (±1kg)	
DVI-Converter (Option)			
Signal	Video Signal	NTSC, PAL, SECAM	
	PC Signal	SVGA, WVGA, XGA, SXGA, WXGA, UXGA	
	DVI/DTV signal	480p,576p,720p,1080i,1080p	
	Frequency	Horizontal Frequency 15.5 ~ 75kHz / Vertical Frequency 50/60Hz	
Input /output Terminal		Input	Output
	PC	D-sub 15Pin	
	DVI(HDCP)	DVI-D 24Pin	DVI-D 24pin 2Port
	HDMI	HDMI 29Pin	
	HD-SDI	BNC 1Pin	
	Component	BNC 3Pin	
	S-Video	Mini Din-4Pin	
	CVBS	BNC 1Pin	
	Serial	RS-232C D-sub 9pin(female)	RS-232C D-sub 9pin(male)
	Ethernet	RJ-45	

EXTERNAL DIMENSION

◆ OPM-4250



◆ OPM-4250R

