



4Diamond Grid Interactive LCD monitor
DG86IFPD05

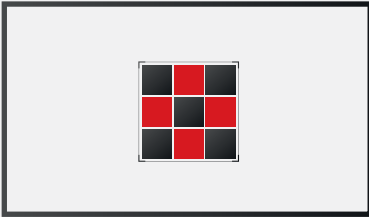
Make it happen



4Diamond Grid from Mitsubishi Electric is a cost-effective and versatile extension to our range of high-end DLP, LCD and Direct View LED control room display systems. Within the 4Diamond Grid range, you'll find a wide selection of professional-grade LCD displays, plus screen controllers and software, all delivering the performance, build quality and low cost of ownership you've come to expect from Mitsubishi Electric.

Now, for meeting rooms and corporate display applications, we've moved the 4DG product range to a new level with our interactive display monitors. Available in 75" and 86", installation can be further simplified using the optional DG PD-MS motorised stand.

The Key Features

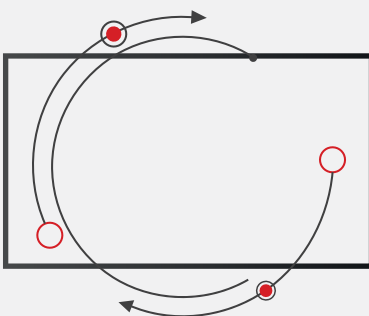
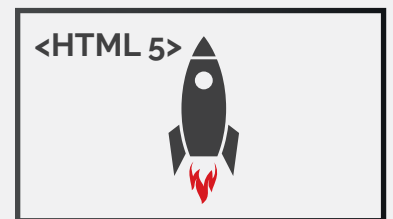


Intelligent Pixel Shift (IPS)

IPS greatly reduces the occurrence of image sticking, which can occur if static content is displayed on LCD screens for long periods of time. The 4Diamond Grid monitor automatically makes small adjustments to the image position to ensure individual pixels are not over-stressed and allowing the display to continue to operate when used as recommended.

Auto Launch

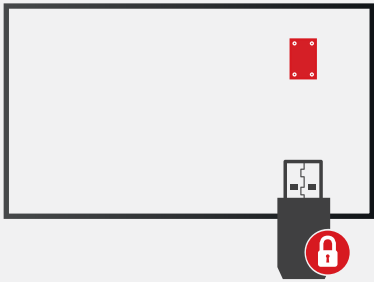
A built-in HTML 5 browser with auto-launch capability allows the display to default to any online application on start-up. HTML 5 content can be hosted either on the local network or anywhere on the internet, making it an extremely versatile and robust standalone display solution.



Daisy Chain

The DisplayPort™ 1.2a and HDMI 2.0 inputs and outputs can be daisy-chained to easily share content to another display or create multi-screen installations. Built-in image scaling allows the creation of simple video wall-type applications with no external controller required.

The Key Features



USB Auto-Play

The monitor features a secure USB port that allows any media content stored on a memory stick, including photos, video and audio, to be played automatically on start-up with no user intervention required. The special USB port is designed to prevent unauthorised access, making the 4Diamond Grid ideal for standalone display applications.

No-signal Failsafe

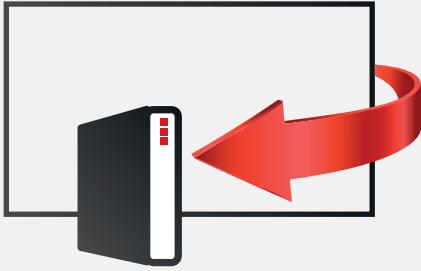
If input signal to the display fails unexpectedly, the 4Diamond Grid monitor will automatically search for alternative content via its other inputs, or it can be programmed to default to pre-stored static content, such as a service announcement or company logo.



Remote Management

All 4DG displays are fully manageable remotely via RS232 or LAN. A remote operator is able to edit volume levels, power the display on and off, schedule content display or direct the built-in browser to any URL. A wide range of other real-time functions are also available for complete versatility.

The Key Features



OPS Support

All 4DG monitors come with OPS (Open Pluggable Standard) support to further increase versatility. OPS enables DG monitors to become powerful standalone application servers running Windows or Android OS, opening up a world of possibilities.

Optional Feature

Motorized stand:

Max. Height 1735mm

Min. Height 1345mm

Mounting Compatibility:

1000mm x 600mm VESA

600mm x 600mm VESA

600mm x 400mm VESA

400mm x 400mm VESA

400mm x 200mm VESA





Touch Technology

Touch Technology	Infrared (IR) Technology
Supported Point	10 Points
Sensitivity	Any touch with finger, gloved hand or pointer
Connectivity	HID, TUIO, Flash
Supported OS	Windows 7, Windows 10, macOS®, Linux, Android
Orientation	Landscape Support
Accuracy	%90 <
Reporting rate	Up to 450 fps
Glass Type	Anti Glared (AG), 4 mm tempered
Frame rate	Up to 450 fps
Communication	USB 3.0
Power Supply mode	USB
Supply Voltage	DC 5V +/- 5%
Average Current	<400 mA
Response Time	<10 ms
Touch Accuracy	+/- 2 mm (over 90% area)
Object Size for Touch	5 mm
Touch Durability	Unlimited
HID Compatibility	Yes USB





The Specifications

Model	DG86IFPD05	
Dimensions	1972 mm (L) x 1143 mm (H) x 103 mm (D)	
LCD Type	IPS 16/7	
Display resolution	UHD (3840x2160 pixels) 60Hz	
Lifetime (Typ.)	50,000 hours	
Backlight technology	LED (Edge)	
Viewing angle (H /V)	178°	
Display orientation	Landscape	
Brightness	400 cd/m ²	
Response time	8 ms (typ. G-to-G)	
Contrast ratio	1200:1	
Display colors	10 bit(D), 1.07 Billion colors	
Input connectors	Video	DisplayPort™ (1.2a) x 1, HDMI 2.0 x 4, D-sub 15 x 1,
	Audio	F3.5 Jack
	Control	RS-232C: (D-Sub 9 pins), RJ12, LAN: RJ45 (10BASE-T/100BASE-TX)
Output connectors	Video	DisplayPort™ (1.2a) x 1, HDMI 2.0 x 1
	Audio	F3.5 Jack, Speaker 4 x 8W
Input board slot	Intel® OPS slot x 1, USB Type-C x 1, USB 2.0 x 2, USB 2.0 1 x (cover)	
Power consumption	310 W	
Voltage range	100 - 240 VAC ± 10 %, 50/60 Hz ± 1 Hz	
Weight	91 kg	
Operating environment	0 - 40 °C (32 - 104 °F) / 10- 90 % RH non-condensing	
Functions	Cascading function w/ DisplayPort™ 1.2a / HDMI 2.0 Daisy Chain: up to 7 (units) w/HDCP, no limit w/o HDCP, Scaling function: up to 10(units) x 10 (units), Scheduler, Auto-switch on Failover, OSD Rotation, NoSignal PowerOff, Screen Saver, Pixel Shift	
Optional	DGPD-MS Motorized stand	

- No image staining occurs even in 24-hour operation, although image persistence still happens if a static image is displayed for a long period of time.
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The other 4DG products



eXNB 55" Video Wall Displays



HD / UHD Monitors



DG-X 19" Series Video Wall Controller



DG-X6K5 Video Wall Controller