



4Diamond Grid | DG55ENB models
Professional video wall solutions



There is no such thing as a standard control room; every project is different and presents a unique set of challenges. The 4Diamond Grid product range equips systems integrators with the tools they need to overcome those challenges confidently and cost-effectively.

4Diamond Grid delivers the image quality you'd expect from Mitsubishi Electric in an affordable and versatile extension to our range of high-end DLP™, LCD and Direct View LED control room display systems.

4Diamond Grid Video Wall Monitors



DG55ENB503



DG55ENB703

The Key Features

55" diagonal

Full HD resolution

Designed for continuous 24/7 operation

1.8 mm extreme narrow bezel

Intelligent Pixel Shift (IPS) anti-image retention feature

Supports 4K daisy chain via Display Port 1.2a

Portrait and landscape orientation modes

500 and 700 cd/m² brightness versions available

Manual precision color calibration feature

Open content management support

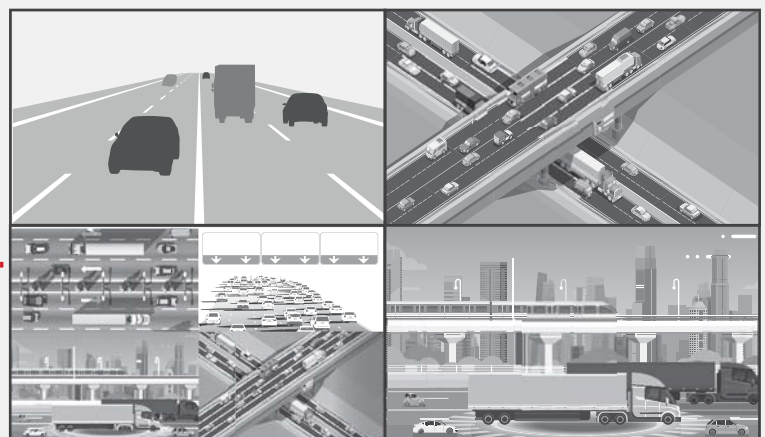
Built-in video wall scheduler

Auto-switch on input signal failure

Fully compatible with Mitsubishi Electric S-SF Suite and 4DG Controllers



4Diamond Grid Controller

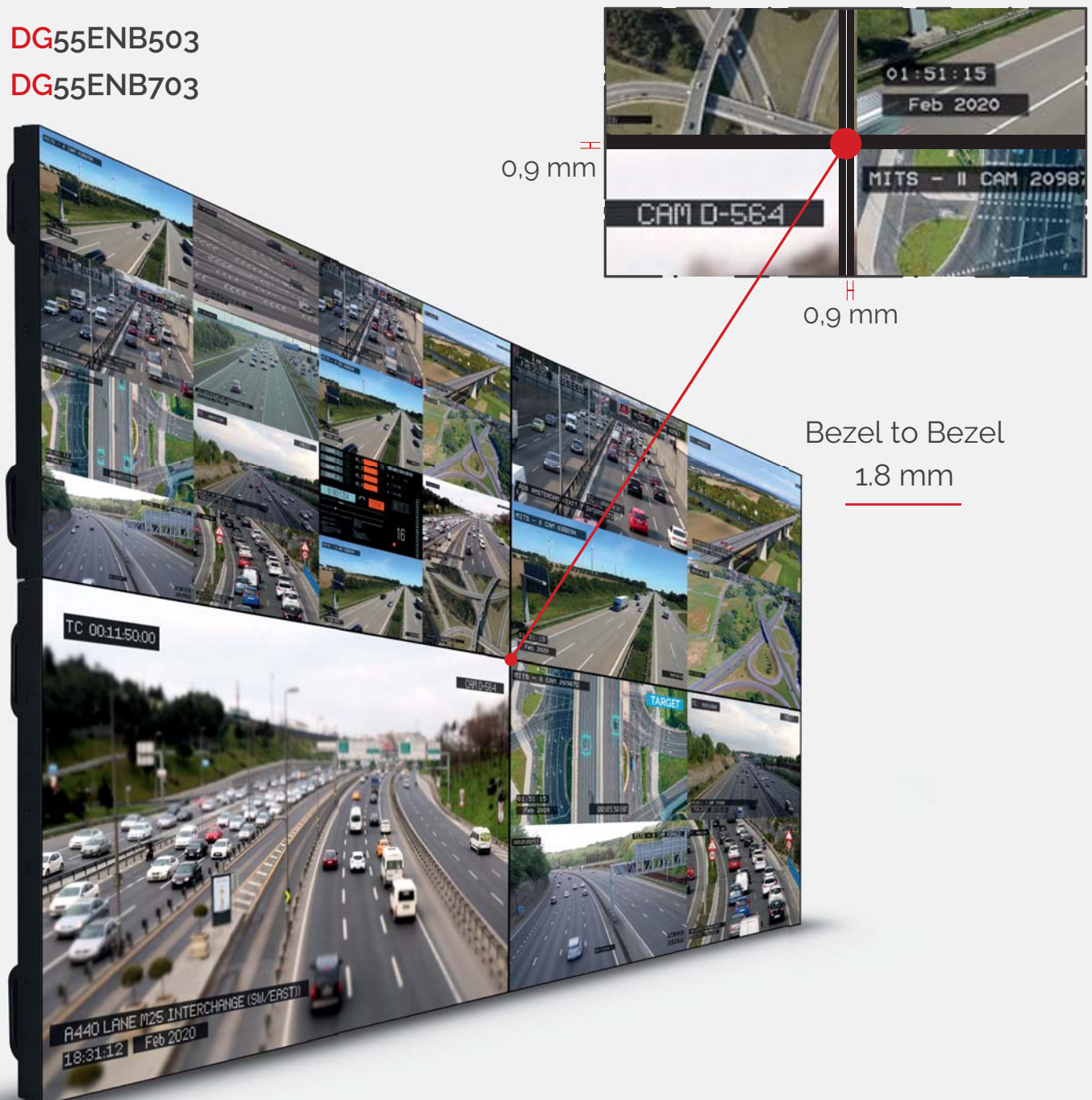


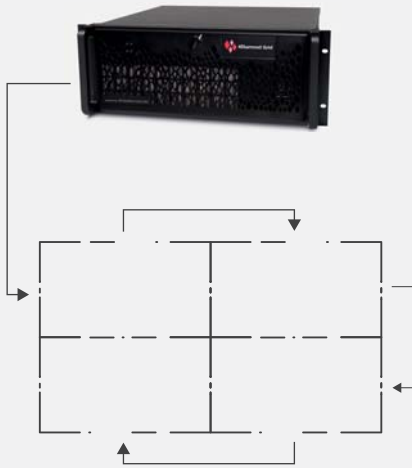
Cutting edge Image

Thanks to its 1.8 mm extreme narrow bezel, the 4Diamond Grid 55" video wall delivers a superb, multi-window, virtually seamless display that's ideal for small breakout rooms or crisis suites.

DG55ENB503

DG55ENB703





The Connectivity

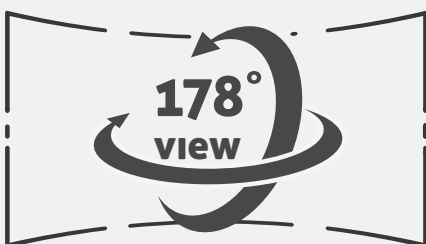
Using DisplayPort™ 1.2a, easily configure four monitors in a 2x2 format via daisy-chain connection to achieve a 4K display with stunning colors and clarity.

DIGITAL INPUT:
HDMI 2.0 x 1
DVI-D (with HDCP) x1
DisplayPort™ (1.2a) x1

ANALOG INPUT
D-Sub 15 x1
YPbPr (BNC x3) x1

White Color Calibration

For the purest color reproduction and minimized color distortion, color calibration has been made available using the optional colorimeter. Measuring a set of color patterns will calculate RGB gain values based on the color alignment algorithm. The White balance setting for the target color temperature will be updated using the calculated RGB gain values.

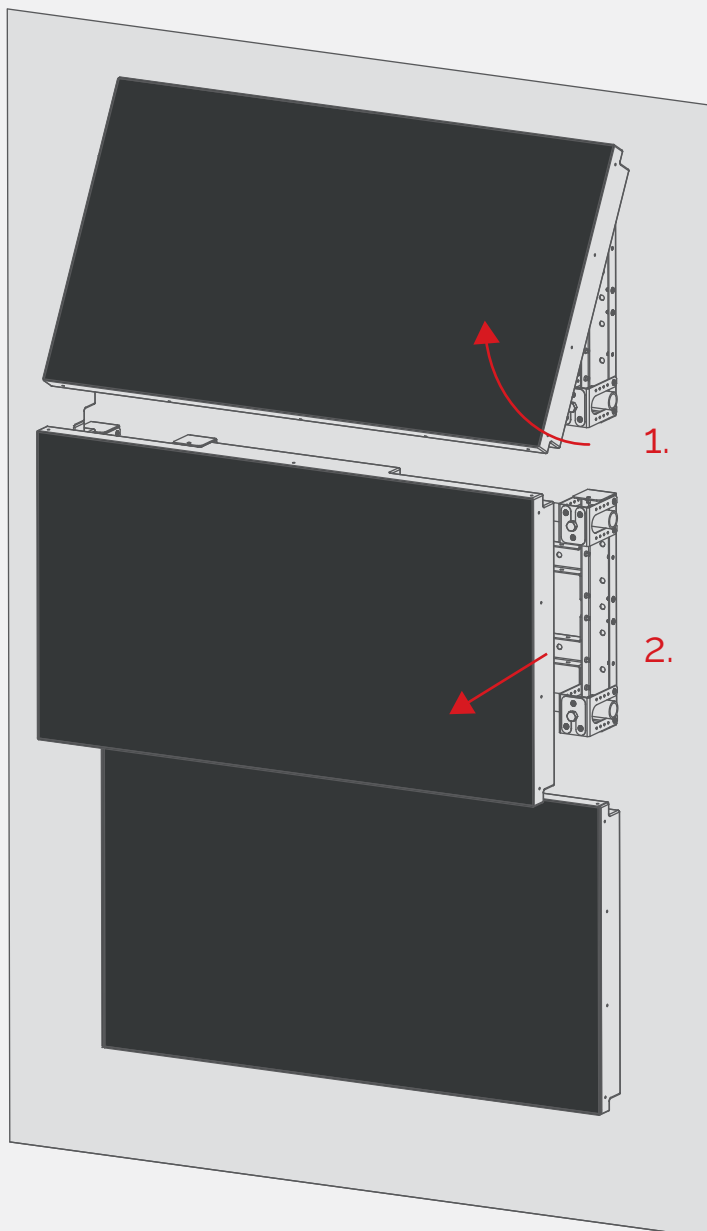


Wide viewing angle

Intelligent Pixel Shift (IPS) technology not only protects the display from image retention damage but also improves viewing angle and image clarity. Images remain vivid and bright no matter from where in the room they're viewed.

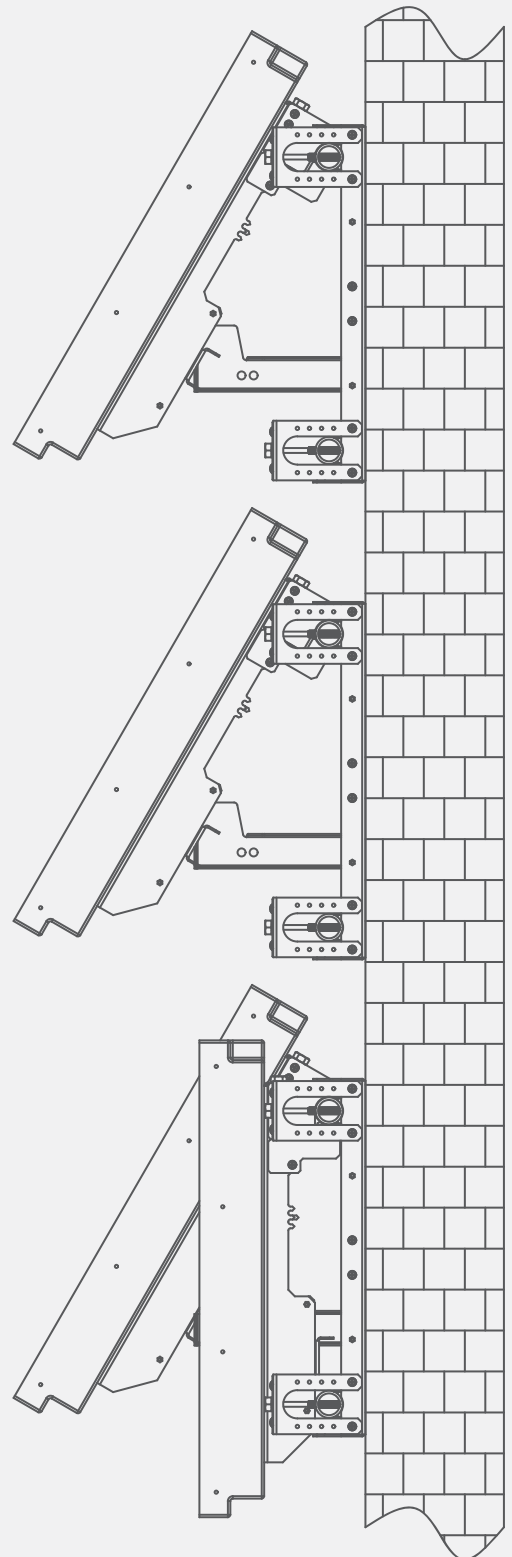
Easy setup and maintenance

The 4Diamond Grid wall-mount bracket **DGVW-BRK** makes installation easy, quick and precise – each and every time.



This illustration explains how to remove a monitor.

1. First Lift the top monitor
2. Remove monitor below



The Specifications

Model		DG55ENB503	DG55ENB703
Dimensions	1211,5 mm (L) x 682,3 mm (H) x 104,6 mm (D)		
LCD Type	IPS 24/7		
Display resolution	Full HD (1920x1080 pixels) 60Hz		
Lifetime (typ.)	60,000 hours* ¹		
Backlight technology	LED (Direct)		
Viewing angle (H /V)	178°		
Display orientation	Landscape and Portrait Mode		
Brightness	500 cd/m ²	700 cd/m ²	
Contrast ratio	1400:1		
Display colors	10 bit (D), 1.06 Billion colors		
Input connectors	Video	DisplayPort™ (1.2a) x 1, HDMI 2.0 x 1, DVI-D (with HDCP) x 1 D-sub 15 x 1, YPbPr (BNC) x 1	
	Control	RS-232C: (D-Sub 9 pins), RJ12, LAN: RJ45 (10BASE-T/100BASE-TX), SNMP Compatible	
	Audio	F3.5 Jack	
Output connectors	Video	DisplayPort™ (1.2a) x 1, HDMI 2.0 x1	
	Audio	F3.5 Jack	
Signal frequency	H: 67,5 KHz V: 60 Hz Max. Pixel Freq. 74,25 MHz		
Power consumption	Full load 140 W	Full load 195 W	
Voltage range	100 - 240 VAC ± 10 %, 50/60 Hz ± 1 Hz		
Weight	30,5 kg		
Operating environment	0 - 50 °C (32 - 122 °F) / 20- 80 % RH non-condensing		
Functions	Videowall setup with Daisy- Chain (DP1.2a) up to 7 units w/HDCP, no limit w/o HDCP Scaling function: up to 10(units) x 10(units) Open Content Management Support, Manual Fine Color Calibration* ² , Videowall Scheduler, Auto-Launch, Auto switch on Failover, Panel Lock		
Wall-mount bracket	DG VW-BRK		

*¹ 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.

*² For the purest color reproduction and minimized color distortion, color calibration has been made available using the optional colorimeter. Measuring a set of color patterns will calculate RGB gain values based on the color alignment algorithm. The White balance setting for the target color temperature will be updated using the alculated RGB gain values.

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- Information and specifications in this document are subject to change without prior notice.

The other 4DG products



UHD Monitors



HD Monitors



Interactive LCD Monitors



DG-X6K5 Video Wall Controller



DG-X 19" Series Video Wall Controller