4Diamond Grid
Brings images to life

4Diamond Grid | **DG55RZ503**
Professional video wall solution

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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.

DG55RZ503 Video Wall Monitor

The Key Features

55" diagonal

Full HD resolution

Designed for continuous 24/7 operation

0.44 mm razor-thin bezel

Intelligent Pixel Shift (IPS) anti-image retention feature

Supports 4K daisy chain via DisplayPort™ 1.2a

Portrait and landscape orientation modes
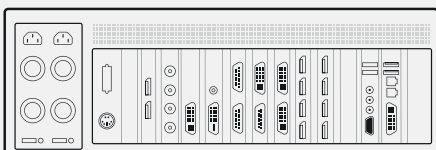
500 cd/m² brightness

Manual precision color calibration feature
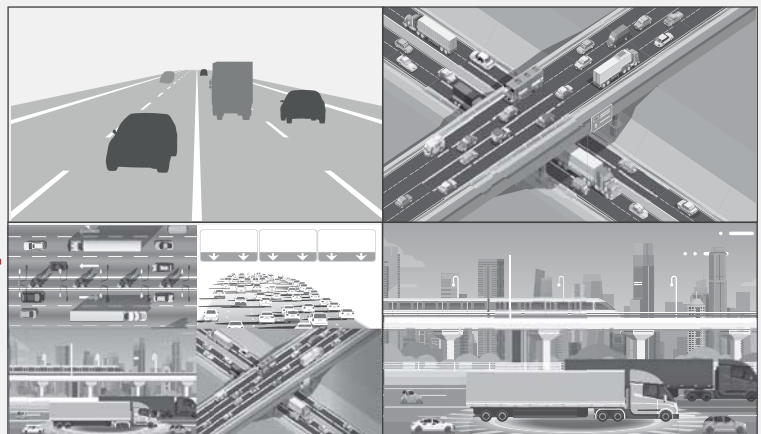
Open content management support

Built-in video wall scheduler

Auto-switch on input signal failure

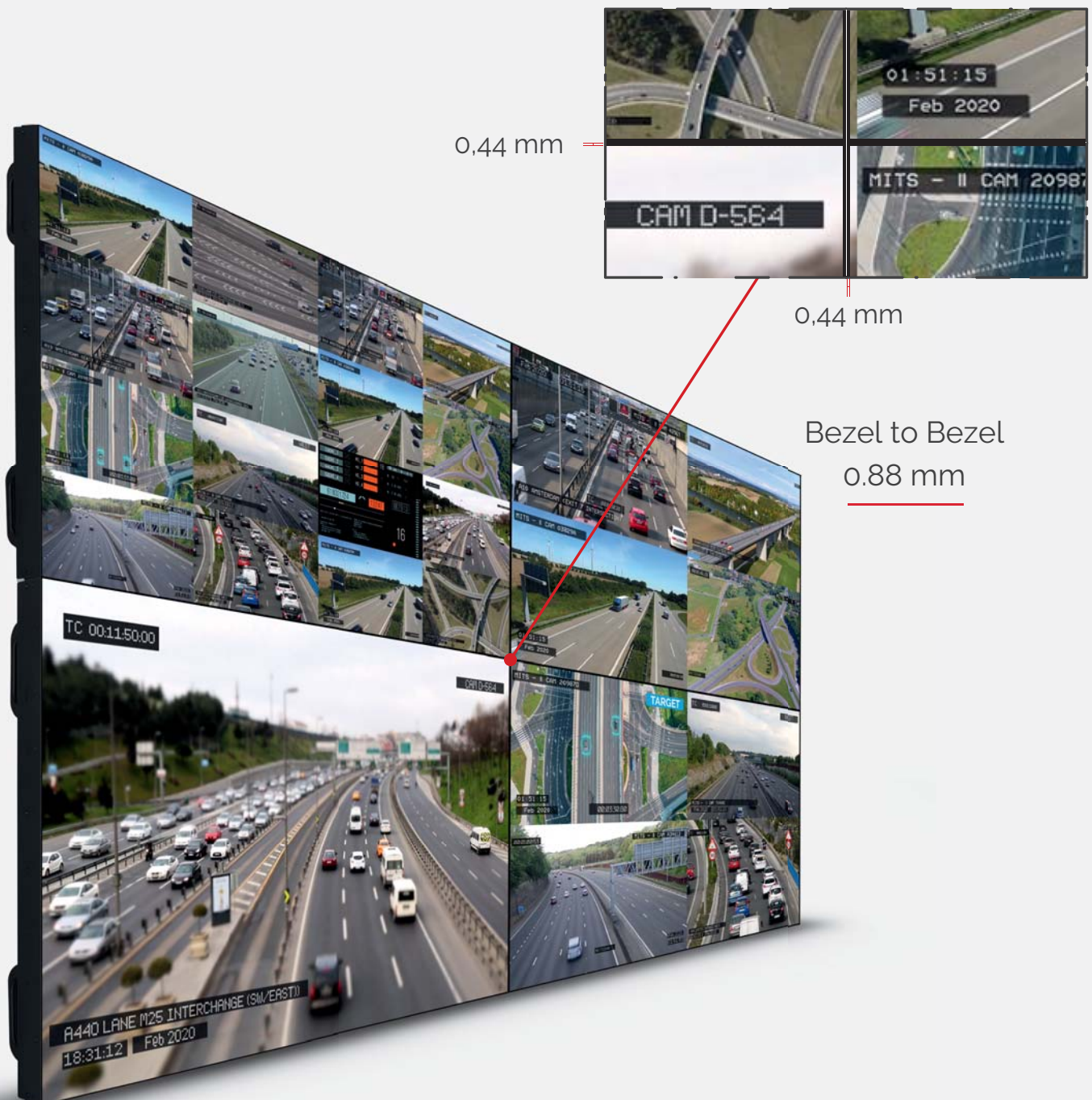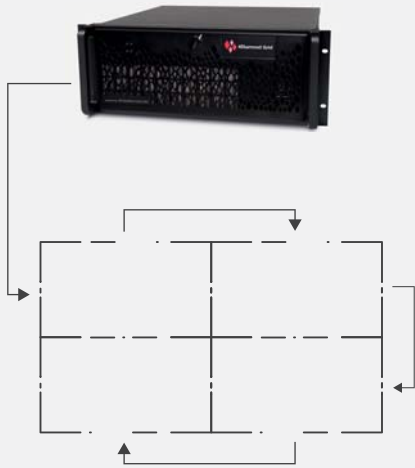Fully compatible with Mitsubishi Electric S-SF Suite and 4DG Controllers

4Diamond Grid Controller

Cutting edge Image

Thanks to its 0.44 mm razor 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.

0,44 mm

0,44 mm

01:51:15
Feb 2020

CAM D-564

MITS – II CAM 20987

Bezel to Bezel
0.88 mm

TC 00:11:50:00

TARGET

A440 LANE M25 INTERCHANGE (SW/EAST)
18:31:12 Feb 2020
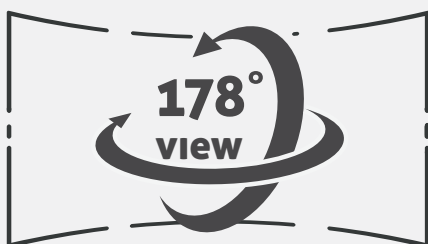
The Connectivity

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.
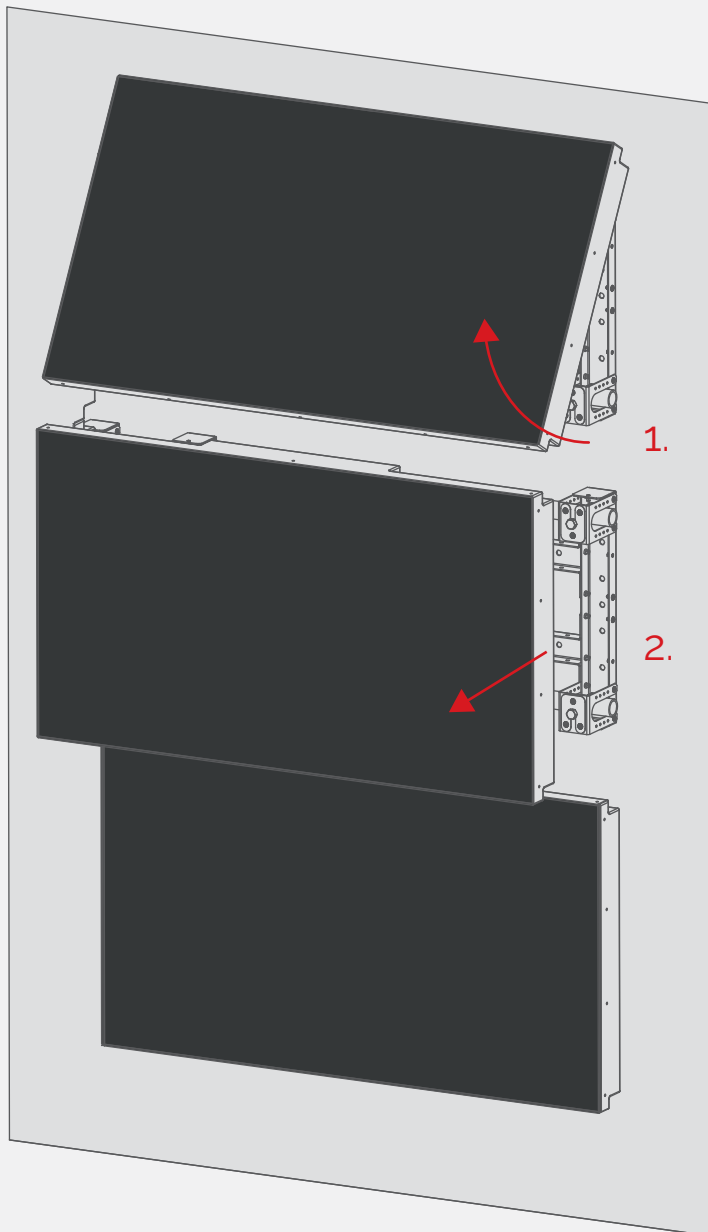
Wide viewing angle

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.
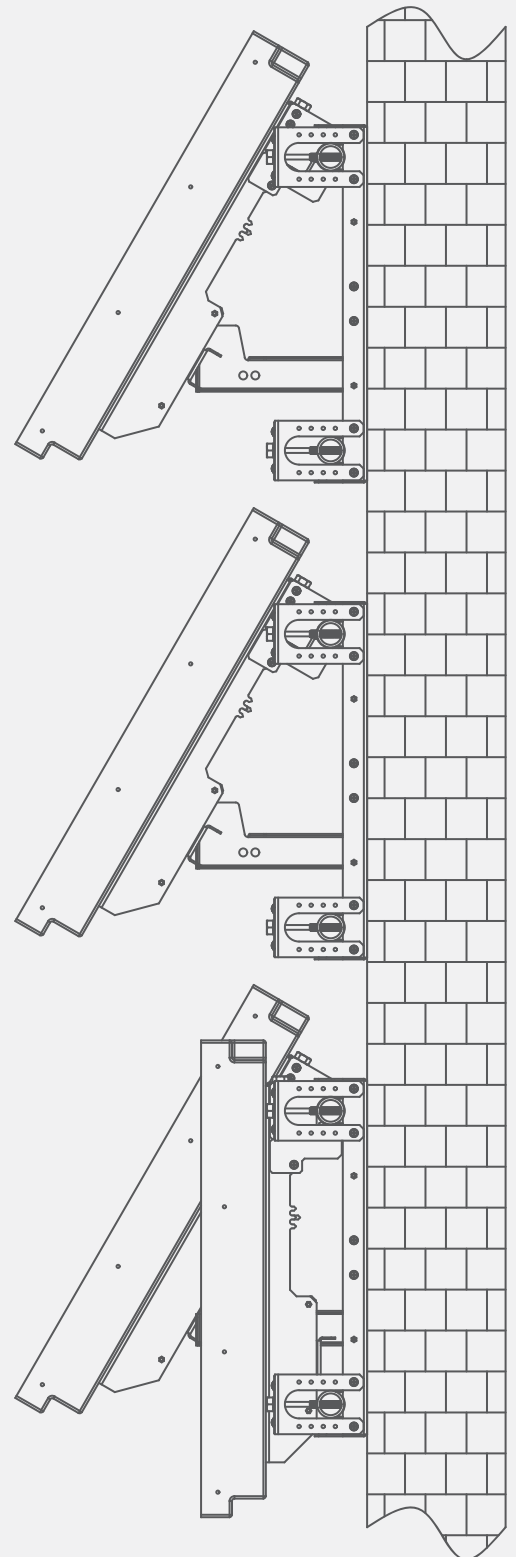
Easy setup and maintenance

The 4Diamond Grid wall-mount bracket **DG**VW-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		DG55RZ503
Dimensions		1210.67 mm (L) x 681.52 mm (H) x 89.6 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/m²
Contrast ratio		1100:1
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 250 W
Voltage range		100 - 240 VAC ± 10 %, 50/60 Hz ± 1 Hz
Weight		29,50 kg
Operating environment		0 - 40 °C (32 - 104 °F) / 0 – 90 % 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		DGVW-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.

· DisplayPort™ is a trade mark of the Video Electronics Standards Association, registered in the U.S. diand in other countries.

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The other 4DG products

UHD Monitors

HD Monitors

Interactive LCD Monitors

DG-X6K5 Video Wall Controller

DG-X 19" Series Video Wall Controller