

# JVC

55" Full HD 16:9 LCD Monitor

# GM-552

# GM-552D

## High Contrast Full HD 16:9 Widescreen Professional LCD Monitor for 24/7 Continuous Operation Applications



**HDMI**<sup>®</sup>  
HIGH-DEFINITION MULTIMEDIA INTERFACE

### High Contrast Full HD 16:9 Widescreen Professional LCD Monitor

The GM-552/552D is a 55-inch Full HD (1920x1080 resolution) 16:9 widescreen LCD monitor. Its ultra-high contrast display, durable design and excellent connectivity is suitable for signage, information display and security applications. The GM-552D is additionally equipped with 3G/HD/SD-SDI interface, making it suitable for use in broadcasting facilities and studios.

### Designed for 24/7 Continuous Operation

The GM-552/552D is designed for 24 hours per day, 7 days a week continuous operation for applications such as signage and surveillance. LED backlighting not only helps save power, but also has a long lifetime of 50,000 hours.

### Wide Range of Connection Possibilities

The GM-552/552D features a range of professional and consumer connections, including HDMI, DVI, RGB, S-Video, etc. Additionally, the GM-552D is equipped with HD-SDI, SD-SDI and 3G-SDI interfaces.

### Other features

- FHD non-glare panel
- LED backlighting (mercury-free)
- Multi language OSD : English/German/French/Italian/Spanish
- Multi Display : 2x1/2x2/3x3/4x4/5x5
- Picture mode : STUDIO, CCTV1, CCTV2, USER
- Useful picture functions : PIP/PBP/Portrait mode/Screen saver/Image refresh
- ID setting for RCU : 01-99
- RS232C input/output terminals for daisy chain
- All-Metal Cabinet and Durable Design
- Supplied with removable VWSA stand and handles
- Input terminals arranged in a single row for easy connection
- DC output terminal (12V)

Specifications		GM-552/GM-552D
Display	TYPE	LCD DISPLAY MONITOR
	Screen Size	54.6 (inch)
	LCD Panel	TFT active matrix
	Backlighting	LED
	Effective screen size	1209.6 mm (H) x 680.4 mm (V)
	Resolution	1920 x 1080
	Pixel Pitch	0.21 mm (H) x 0.63 mm (V)
	Panel brightness (TYP)	450 cd/m <sup>2</sup>
	Contrast ratio (TYP)	4000:1
	Aspect ratio	16:9
	Viewing angle (TYP)	178° (Horizontally) / 178° (Vertically)
	Display color	1073.7 million
	Response time (G to G)	6.5 msec
General	Weight	31.4 kg / 32.3 kg (including pair of the stands)
	External dimensions	1272.6 mm (W) x 745.5 mm (H) x 360.0 mm (D)
	Power requirements	AC 100 V - 240 V, 50 Hz-60 Hz
	Rated input current	1.8 A
	Audio output	Internal Speaker: 1.5 W+1.5 W
Input terminals	VIDEO IN	BNC x 1
	S-VIDEO INPUT	Mini DIN4-pin x 1
	RGB (Analog) IN	D-Sub 15-Pin x 1
	DVI INPUT	DVI-D (single link) x 1
	HDMI INPUT	HDMI type-A (Screw hole / Gefen)
	Audio IN (CVBS/S-VIDEO)	RCA x2 (L/R)
	Audio IN (HDMI,DVI-D,VGA)	Stereo Mini Jack x1
	RS-232C IN	D-Sub 9-PIN x1
	HD-SDI (3G) IN	BNC x 1 (3G) SMPD: (GM-552D only)
Output terminals	VIDEO OUT	BNC x 1 (Passive loop through)
	RGB (Analog) OUT	D-Sub 15-Pin x 1
	Audio OUT (MONITOR OUT)	RCA x2 (L/R)
	RS-232C OUT	D-Sub 9-Pin x1
	HD-SDI (3G) OUT	BNC x 1 (3G); (GM-552D only)
Supplied accessories	Remote Control (RM-C3700) x 1	
	Batteries (AAA) x 2	
	Power Cord 1.8 m x 2 (Europe model)	
	1.8 m x 1 (US model)	
	Power cord clamp x 1	
Stand Unit x 2 (1 pair) , Screws (M4x12 mm) x 6		



### Terminals



- 1 SDI Input (GM-552D only)
- 2 SDI Output (GM-552D only)
- 3 DC Out
- 4 RS-232C Input
- 5 RS-232C Output
- 6 HDMI Input
- 7 DVI-D Input
- 8 RGB Input
- 9 RGB Output
- 10 Audio 1 Input
- 11 S-Video (Y/C) Input
- 12 Video Input
- 13 Video Output
- 14 Audio 2 Input
- 15 Audio Output

### Input Format

Signal Name	VIDEO	RGB	HDMI	SDI
NTSC	●	—	—	—
PAL	●	—	—	—
SECAM	●	—	—	—
BW/60	●	—	—	—
BW/50	●	—	—	—
480/60i	—	●	—	●(SD)
576/50i	—	●	—	●(SD)
480/60i (pixel repetition)	—	—	●	—
576/50i (pixel repetition)	—	—	●	—
480/60p	—	●	●	—
576/50p	—	●	●	—
720/60p	—	—	●	●(HD)
720/50p	—	—	●	●(HD)
720/30p	—	—	—	●(HD)
720/25p	—	—	—	●(HD)
720/24p	—	—	—	●(HD)
1080/60i	—	●	●	●(HD)
1080/50i	—	●	●	●(HD)
1080/60p	—	●	●	●(3G)*1
1080/50p	—	●	●	●(3G)*1
1080/30p	—	—	—	●(HD)
1080/25p	—	—	—	●(HD)
1080/24p	—	—	—	●(HD)
1080/30PsF	—	—	—	●(HD)
1080/24PsF	—	—	—	●(HD)
1080/25PsF	—	—	—	●(HD)

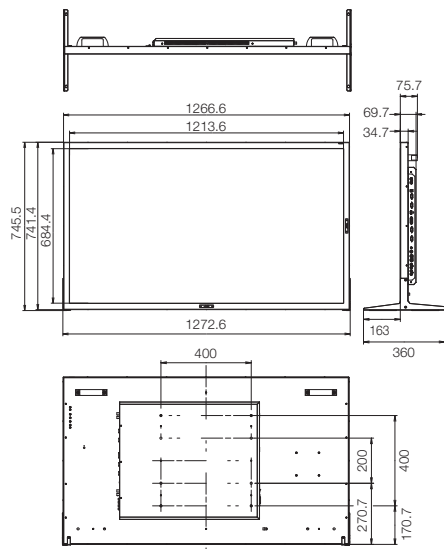
● : Compatible  
 — : Not compatible  
 \*1 : 4:2:2 (YCbCr / 10bit)

PC Signals	Frequency		RGB	DVI-D	HDMI
	Horizontal(kHz)	Vertical(Hz)			
640x400/56Hz	24.823	56.42	●	—	—
640x400/70Hz	31.475	70.10	●	—	—
640x480/60Hz	31.469	59.94	●	—	●
640x480/72Hz	37.861	72.81	●	—	—
800x600/60Hz	37.879	60.32	●	●	●
1024x768/60Hz	48.363	60.00	●	●	●
1024x768/70Hz	56.476	70.07	●	—	—
1024x768/75Hz	60.023	75.03	●	—	—
1024x768/85Hz	68.667	85.00	●	—	—
1280x720/60Hz	44.820	60.00	●	●	●
1280x768/60Hz	47.760	59.99	●	●	●
1360x768/60Hz	47.396	60.02	●	—	●
1152x864/75Hz	67.500	75.00	●	—	—
1280x1024/60Hz	63.981	60.02	●	●	●
1400x1050/60Hz	64.744	59.95	—	—	—
1400x1050/60Hz	65.317	59.98	●	●	●
1600x1200/60Hz	75.000	60.00	●	●	●

● : Compatible  
 — : Not compatible  
 \* Some signals may not be displayed normally even if its frequency is within the acceptable range.  
 \* When the frequency of a non-registration signal is very near to a registration signal, displays the frequency of a registration signal on OSD.

### External Dimensions

Unit: mm



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