



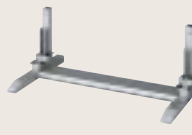

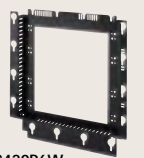


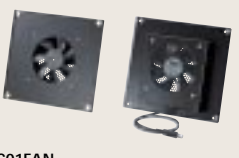
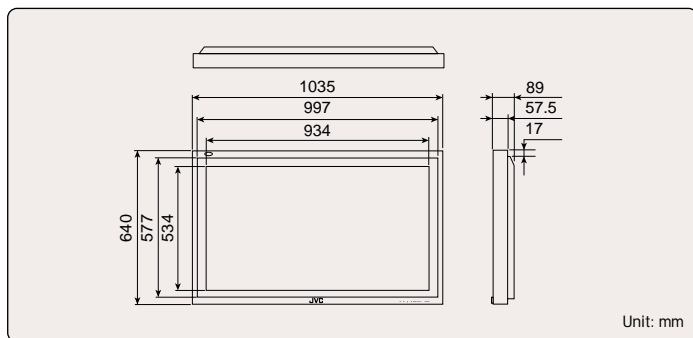


Optional Accessories

SPEAKER SYSTEM		
 <p>TS-C4200SPG Slim Wall-Mounted Speaker System</p> <ul style="list-style-type: none"> Rated input: 8W • Nominal impedance: 6 ohms Dimensions (W x H x D) 100 x 610 x 89 mm Weight: 2.1kg / speaker 	 <p>TS-C421SPG Direct-Drive Stick Speaker System</p> <ul style="list-style-type: none"> Rated input: 5W • Nominal impedance: 6 ohms Dimensions (W x H x D) 43 x 639 x 43 mm Weight: 0.7kg / speaker 	
STAND UNIT		
 <p>TS-C420P4W Stand Unit (Vertical Position)</p> <ul style="list-style-type: none"> Dimensions (W x H x D) 500 x 607.2 x 700 mm 	 <p>TS-C420P4W Stand Unit (Horizontal Position)</p> <ul style="list-style-type: none"> Dimensions (W x H x D) 700 x 384.6 x 452 mm 	 <p>TS-C420P7W Stand Unit</p> <ul style="list-style-type: none"> Dimensions (W x H x D) 574 x 226 x 330 mm
WALL MOUNTING UNIT		
 <p>TS-C420P2W Wall Mounting Unit (Portrait Setting)</p> <ul style="list-style-type: none"> Mounting angles: 0°, 5°, 10°, 15° Dimensions (W x H x D) 550 x 557.3 x 47 mm 	 <p>TS-C420P6W Wall Mounting Unit</p> <ul style="list-style-type: none"> Mounting angle: 0° Dimensions (W x H x D) 570 x 576 x 47 mm 	 <p>TS-C420P8W Wall Mounting Unit (Landscape Setting)</p> <ul style="list-style-type: none"> Mounting angles: 0°, 5°, 10°, 15°, 20° Dimensions (W x H x D) 610.2 x 528 x 49 mm
CEILING SUSPENSION UNIT		COOLING FAN UNIT
 <p>TS-C420P3W Ceiling Suspension Unit</p> <ul style="list-style-type: none"> Mounting angles: 0°, 10°, 20° Dimensions (W x H x D) 570 x 450 x 165 mm 	 <p>TS-C01FAN Cooling Fan Unit (Required for portrait setting)</p> <ul style="list-style-type: none"> Dimensions (W x H x D) 174 x 33 x 160 mm without cable 	

* Mounting angle set at 0°

Dimensions



E. & O.E. Design and specifications are subject to change without notice. All brand names and product names are trademarks, registered trademarks, or trade names of their respective holders. Certain accessories may not be available in certain areas. All screen images and print samples in this catalogue are simulated. Copyright © 2003 Victor Company of Japan, Limited (JVC). All Rights Reserved

Specifications

■ DISPLAY PANEL	
Screen size (W x H)	933 mm x 533 mm (1,075mm diagonal)
Type	Widescreen 42-inch diagonal
Aspect ratio	16:9 (4:3/16:9 selectable)
Viewing angle	160°
Display colours	16.77 million (RGB each of 256 levels)
Brightness	400cd/m ² (set), 1,000cd/m ² (panel)
Contrast ratio	3000:1
Number of pixels	Horizontal 852 x Vertical 480
Pixel pitch	1.095 mm (horizontal) x 1.110 mm (vertical)
Display modes	Regular (4:3) 4:3 video image displayed in centre of screen
	Full/Panoramic (16:9) Displays wide horizontal expansion of 4:3 video image for full-screen display
	Zoom (16:9) Overall expansion of 4:3 video image for full-screen display
Compatible systems: Video A, Video B input	PAL-60/NTSC/NTSC (4.43MHz)/SECAM
Applicable signal format	Refer to the table below
External I/O	Video A Composite IN: BNC x 1; OUT: BNC x 1 (loop through)
configuration and input signals	Video B Composite IN: S (mini DIN 4-pin) x 1 (prior to RCA)
	Y/C Y: 1.0 V (p-p), 75 ohms, negative sync.
	C: 0.286 V (p-p), 75 ohms (NTSC); 0.3 V (p-p), 75 ohms (PAL M, N)
RGB A	IN: 15-pin D-Sub mini x 1
	0.7 V (p-p), 75 ohms
	G on Sync 1.0 V (p-p)/Sync 0.3 V (p-p) negative
	VD 1.0 V (p-p) - 5.0 V (p-p)/470 ohm
	HD/Cs 0.3 V (p-p) - 5.0 V (p-p)/470 ohm
Component/RGB B	IN: Y/C, P ₁ /B-Y/B, P ₂ /R-Y/R, H (RGB IN only), V (RGB IN only); BNC x 5
	480i 1.0 V (p-p)/Sync 0.286 V (p-p)
	576i 1.0 V (p-p)/Sync 0.3 V (p-p)
	480p 1.0 V (p-p)/Sync 0.286 V (p-p)
	576p 1.0 V (p-p)/Sync 0.286 V (p-p)
	720p 1.0 V (p-p)/3-state Sync ±0.3 V (p-p)
	1080i 1.0 V (p-p)/3-state Sync ±0.3 V (p-p)
	VD 1.0 V (p-p) - 5.0 V (p-p)/1k ohm
	HD/Cs 0.3 V (p-p) - 5.0 V (p-p)/1k ohm
RS-232C	IN/OUT: 9-pin D-sub
Audio I/O terminals	IN Video A RCA pin x 2
	Video B RCA pin x 2
	RGB A Stereo mini jack x 1
	Component/ RGB B RCA pin x 2
OUT	Audio RCA pin x 2
	Speaker Speaker terminal x 2 (L/R), 6 ohms to 16 ohms impedance
Audio power output	Internal 2W + 2W
	External 3W + 3W (typical at 6 ohms impedance)
Weight	35.1 kg
■ GENERAL	
Power requirement	220 V - 240 V AC, 50/60Hz
Power consumption	290 W
Operating environment conditions	Temperature range 0°C to +40°C
	Humidity range 20% to 80%, non condensation

Applicable Signal Formats

Type	Signal	Scan*	Standard	Frequency		Effective pixels		
				H (Hz)	V (kHz)	H (pixels/line)	V (lines/frame)	
Composite & Y/C	PAL-60/NTSC, NTSC 4.43 BW/60Hz	I	PAL/SECAM B/W-50Hz	59.94	15.734			
				50.00	15.625			
				59.94	15.734			
Component	480i	I		59.94	15.734			
				50.00	15.625			
				59.94	31.468	27.00	720	480
				50.00	31.250	27.00	720	576
				60.00	45.000	74.25	1280	720
				50.00	28.125	74.25	1920	1080
				60.00	33.750	74.25	1920	1080
				60.00	33.750	74.25	1920	1035
				59.94	15.734			
				50.00	15.625			
PC/VGA 400	PC98	P	IBM	56.42	24.820	21.05	640	400
				70.09	31.470	25.18	640	400
				59.94	31.470	25.17	640	480
				72.81	37.860	31.50	640	480
				75.00	37.500	31.50	640	480
PC/VGA 480	VGA60	P	Industry	59.97	31.720	34.01	852	480
				66.67	35.000	30.24	640	480
				56.25	35.160	36.00	800	600
PC/SVGA	SVGA56	P	VESA guidelines	60.32	37.880	40.00	800	600
				72.19	48.080	50.00	800	600
				75.00	46.880	49.50	800	600
				60.00	48.360	65.00	1024	768
PC/XGA	XGA60	P	VESA	70.07	56.480	75.00	1024	768
				75.03	60.02	78.75	1024	768
				85.00	68.68	94.50	1024	768
				75.00	67.50	108.00	1152	864

* Scanning system: - I: Interlace; P: Progressive

Note: • PDP is an ultra-modern electronic device fabricated using leading-edge technology. Therefore, its effective picture elements are 99.99 percent or more, meaning 0.01 percent or less defective elements or "always ON" portion could exist. • Screen burn-in: Like a CRT, PDP uses phosphor; therefore burn-in could result from long-term use such as displaying the same still picture. • If the monitor is installed vertically, an optional Cooling Fan Unit is required as the regular airflow inside the unit is distributed and thus the unit does not cool down.

JVC®

DISTRIBUTED BY

Printed in Japan
ICN-0304

"JVC" is the trademark or registered trademark of Victor Company of Japan, Limited.

JVC[®]

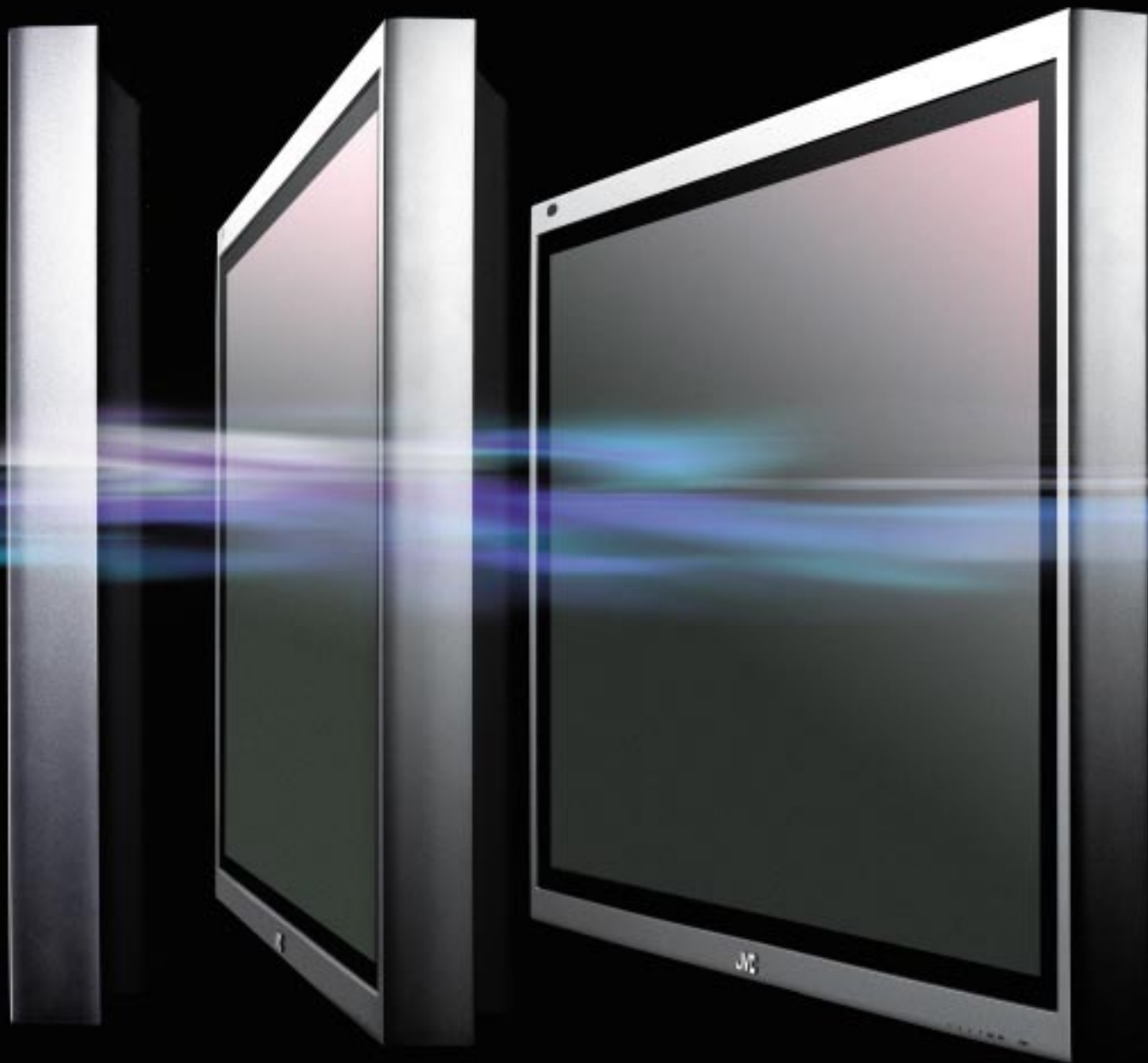
The Perfect Experience / —

42-INCH PLASMA DISPLAY MONITOR

GM-V42E

GM-V42EB

High-Contrast, Flat Plasma Monitor
Delivering Extremely Bright Picture



Plasma Solutions for Professional Applications

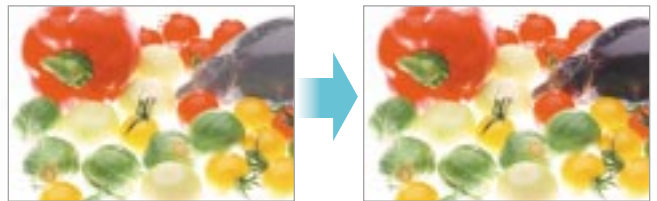
Show the Big Picture in Every

Technologies for Extremely Bright and High Contrast Images

JVC's GM-V42E plasma monitor incorporates a number of technologies to deliver exceptionally bright images with superb contrast and colour in various environments. The outstanding signal processing, brightness and contrast ratio of the GM-V42E deliver perfect images in dark areas like production studios as well as in areas with bright environments like tradeshows, conference halls, schools and auditoriums.

3000:1 Contrast Ratio

enables crisp, clearly visible images to be displayed especially in dark rooms. This far surpasses regular PDPs which commonly have a contrast ratio of around 1500:1. Contrast ratio is the measurement of the difference in light intensity between the brightest white and darkest black. Naturally, the higher the ratio, the better the contrast and visibility of the image.

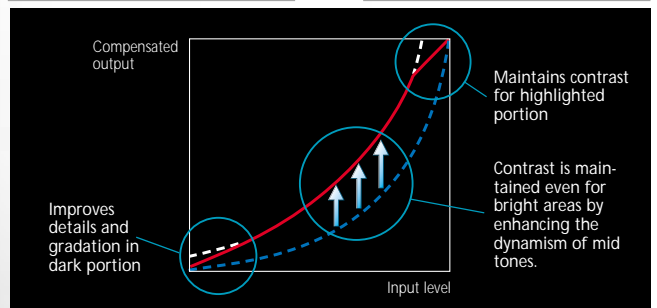


Bright Picture of 400cd/m²

as a set and 1000cd/m² for the panel alone. Additionally, the **Frame Rate Converter** helps improve brightness when displaying PC signals with a frequency of over 60Hz.

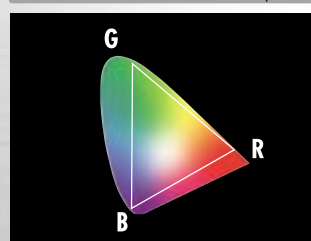
Original Gamma Control

enables image reproduction with natural contrast at any luminance level. Unlike a CRT display, a PDP has linear emission characteristics and thus requires gamma correction. However, standard gamma correction tends to adversely affect tonal gradations in the darker portions of the picture. To avoid this, JVC's original Gamma Correction applies the optimum data for each signal level, from the darkest regions through to the brightest. This means that it is able to preserve tonal subtleties in the dark areas without increasing noise. Moreover, it can enhance the brightness (dynamism) of mid tones without affecting gradations in the highlights. Such compensation recreates natural contrast to add more depth and dimension to the image.

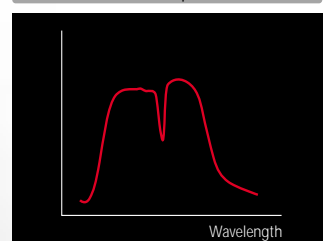


■ A combination of newly developed **Phosphor** and **Front Filter** that works to reduce emission of unnecessary light generated by plasma discharge provides natural and stunning colour reproduction.

Colour coordinate of the new Phosphor



Front Filter spectrum



Detail and Subtle Nuance.

Versatile Usage in a Variety of Situations

The GM-V42E has been designed to deliver superior results regardless of where and how it is used.

S-VGA/XGA Compatibility

The GM-V42E features an 852 x 480-pixel native resolution panel that enables PC display with S-VGA and XGA compatibility. The panel is designed to accurately display a wide range of PC signal formats, as shown in the chart below.

VGA	W-VGA	SVGA	XGA	Others
VGA400-70 (640 x 400)	W-VGA60 (852 x 480)	SVGA56 (800 x 600)	XGA60 (1024 x 768)	Mac 13" (640 x 480)
VGA60 (640 x 480)		SVGA60 (800 x 600)	XGA70 (1024 x 768)	PC98 (640 x 400)
VGA72 (640 x 480)		SVGA72 (800 x 600)	XGA75 (1024 x 768)	RGB15k/60Hz
VGA75 (640 x 480)		SVGA75 (800 x 600)	XGA85 (1024 x 768)	RGB15k/50Hz
			XGA75 (1152 x 864)	

* Refer to the rear cover for detailed list

Fan-less Cooling for Quiet Operation, Energy Savings, and Reliability

Due to reduced power consumption, a cooling fan is not required. This fan-less design reduces noise and ensures quiet operation, nearly eliminates dust suction by the panel for longer panel life, plus it helps save electricity.

Timer On/Off Helps Eliminate Phosphor Burn-in

The built-in timer automatically turns the refresh and colour reverse function on or off for seamless operation. What's more, turning the panel off when not in use helps eliminate phosphor burn-in.

Integrated 2W x 2 Speakers

This plasma display panel is equipped with stereo speakers delivering a total of 4W (2W x 2) audio output. There are also external speaker output terminals to enable further upgraded audio performance with an optional speaker system.

Layout-Free

The slim design of the plasma display panel and its wide viewing angle of 160 degrees allow the user to position the panel however desired in any given space. Abundant optional accessories are available to help position the panel in a variety of ways; self-standing, wall-mounted, hung from the ceiling, or even vertically-oriented (Cooling fan required). See back cover for available options.



Simulated picture of still image

Removable Front Bezel for Customisation

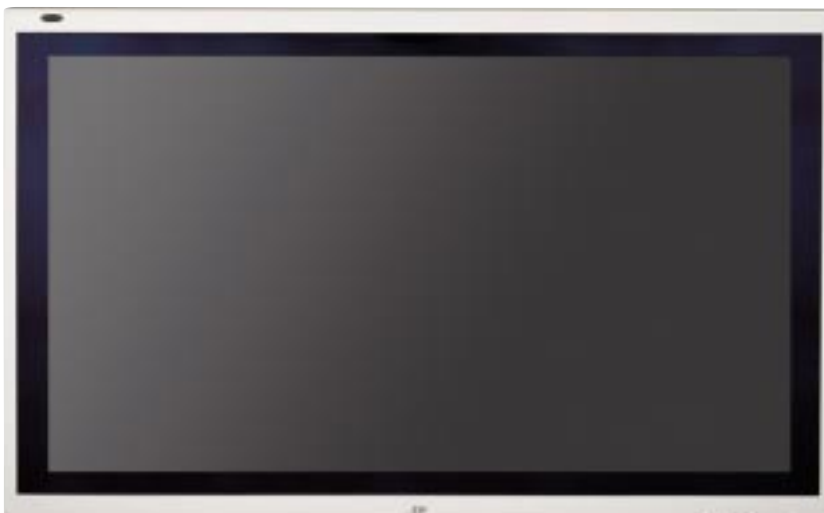
The bezel is detachable for those considering a replacement or customised panel installation.

EMC Class B Compatible Model Available

For those considering residential use, an EMC class B compliant model GM-V42EB is also available.

More Features

- 16.77 million colours (256 levels)
- IR remote output
- RS-232C
- Separate on/off keys assigned to the remote
- Sampling Clock Adjustment for accurate A/D conversion



42-INCH PLASMA DISPLAY MONITOR

GM-V42E (Class A)

GM-V42EB (Class B)