

JVC GM-F Series

GM-F420S | GM-F470S | GM-F520S

Expect More. See More.

Professional Full HD LCD displays

Ultra-slim
bezel design
for Video-wall Applications

24/7
reliability

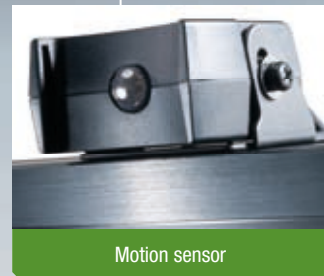
JVC

The Perfect Experience

Display quality at its best

Perfect solutions for the highest demands

Motion sensor technology, images in a brilliant contrast ratio, ultra-slim front bezel, world-renowned reliability and the option of simple integration of a compact player (Mini PC + TV-TOOLS 8.0/digital signage software): the new JVC GM-F series LCD displays fulfil professional requirements at the highest level.



Motion sensor



Robust full metal cabinet



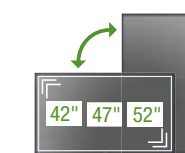
Professional interfaces



By professionals for professionals

The heart of your professional system

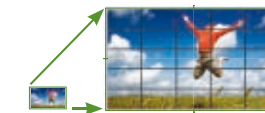
Intelligent technology meets functionality: JVC GM-F series LCD displays are extremely convincing, offering a precisely-detailed presentation and a configuration tailored exactly to customer needs. They are ideally suited for broadcast, digital signage and security solutions. The simple integration of TV-TOOLS digital signage software provides perfection in communication.



Symmetric design



Motion sensor



Video-wall use up to 5x5 displays



Easy system integration



Continuous operation



ENERGY SAVING up to 60%

- Full HD 1920x1080 pixel resolution
- Robust full metal cabinet with ultra-slim bezel of 15 mm width (17 mm width on 52")
- 'LAN Remote' allows off-site control and monitoring via network PC
- Professional connectivity: IR/RS-485/Make and Trigger
- High brightness of 700 cd/m²
- Ready for JVC digital signage software TV-TOOLS
- Picture in Picture (PiP)/Picture by Picture (PbP)



Digital Signage



Security



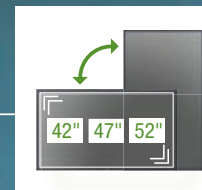
Broadcast





Multiscreen matrix: information 'just in time'

Create emotional presentation areas with multiscreen installations. Full HD technology and extremely high contrast guarantee sharp images and excellent readability from all viewing angles. In combination with the JVC motion sensor, you get your message directly to the customers – individually, with style, and in perfect time!



Symmetric design



Motion sensor and SWAP

Discreet design and maximum robustness

The right message – at the right time – in the right place

Digital Signage – a step ahead with dynamic information distribution

Electronic posters and moving pictures arouse emotions and draw attention. Academic studies have shown that particularly at the point of sale, digital signage solutions increase sales turnover by an average of 60 percent in comparison with conventional POS promotional materials.

Profit from the advantages of dynamic communication with targeted management of audiovisual information: the location of the displays, the content and the time of broadcast are all determined by you. This is closeness to the customer in the information age.

'Compact Player' – the customised solution

Optionally and intelligently integrated into the GM-F LCD Display: the newly developed JVC 'Compact Player' with Mini PC and TV-TOOLS 8.0 player licence is a convincing ultra-modern and cost-effective solution for high impact information systems. Expansion space in the rear panel of the display and an additional power connection (AC In/Out) allows the easy mounting of further external hardware. Also usable as a standalone version.

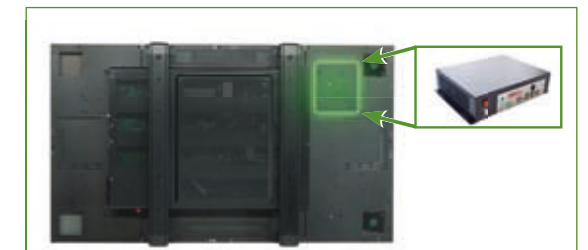
TV-TOOLS: Digital Signage software

Bring images to life and create added value for your target audience – whether visitors, customers or staff: with TV-TOOLS 8.0, the latest digital signage software package, you have all professional features at your fingertips needed for the production of dynamic content.

Now also with
Template-Engine
& Web-Support!



Digital signage is the ideal tool to provide a smart looking list of that day's activities and functions.

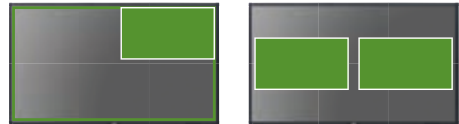


Option to integrate the JVC 'Compact player' or other system units, plus external power supply (AC In/Out).



TV-TOOLS gives you the possibility to easily create and display your digital signage contents.

Masterful technology for creative minds



Picture in Picture (PiP) and Picture by Picture (PbP) functions – an attractive option to place further information.



Professional interfaces ensure maximum ease of use.



Robust mechanics and electronics stand up to the toughest conditions, e.g., in the OB van.

State-of-the-art media technology

The new GM-F series displays are perfect for modern studio work and directing, whether used as line monitors with integrated signal indicators in multi-display operation or background displays in the news sector. As a worldwide brand, we guarantee bright, high-contrast images and unrivalled reliability in operation.

Professional monitor design – robust full metal chassis

Designed for applications that challenge people and technology. Exceptional reliability, long service life, durability and high protection against 'image sticking' included.

Extremely high colour resolution – for optimal focusing

These days, variable brightness settings, the option of manual colour balance and a non-reflecting LCD surface are absolutely essential for professional work. Whether for studios or OB vans, we've got the solution you need.

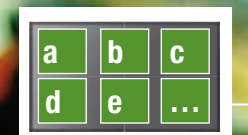
Control technology – uncompromisingly good, simple and flexible

Thanks to 'LAN Remote' and professional RS232/485 interface, displays can also be centrally controlled and monitored from an external PC.

Each display has an integrated web interface so no additional software is necessary – all you need is a browser.

Precise and reliable: everything at a glance

The new GM-F display series impresses professionals in every aspect: for example, for use as a multi-display that gets its signals through an external image splitter. High-quality IPS panel and high image constancy (image sticking), as well as the ability to manually adjust colour temperature, allow professional operation.



Multi-display function



We focus your view on the essential details



When you can't afford mistakes

Security around the clock

In the new GM-F series displays, quality components are key. They guarantee continuous operation – 24 hours a day, 7 days a week. Low maintenance costs and a long service life, thanks to high operational reliability, are additional advantages.



Precise control



Continuous operation

When the moment counts: large screen technology for specialists

With JVC you play it safe

Sensitive applications, such as control centres and monitoring rooms, need reliable security technology and high-quality screen displays. Thanks to the new JVC displays, information is displayed in high resolution and quality for monitoring without fatigue.

Various settings, such as reducing the backlight of the LCD panel, allow optimal adaptation to ambient brightness.

Motion sensor & SWAP function

For optimisation of surveillance functions, such as in supermarkets or banks: thanks to JVC's GM-F series of large LCD displays and a PIR motion sensor, Picture in Picture technology (PiP) and intelligent SWAP function, incoming signals are accessed directly and allow an immediate reaction in an emergency. So thieves don't stand a chance.

Image sticking

A special LCD panel reduces burn-in of image information. Realistic images with precisely detailed displays as the foundation for effective security surveillance are therefore guaranteed at all times.

IP remote control

The GM-F display series has an IP remote control that allows easy monitoring from your workplace. All displays can be controlled via a web browser and can be selected by individual IP address.



The motion sensor can be mounted everywhere on the display, or elsewhere, to control PiP functions.



Functions and connectivity of the GM-F series displays allow easy monitoring of IP cameras with DirectDrive.



Large screen sizes allow user-friendly presentation and high detail rendition – around the clock.

Features

Multiscreen matrix / Multiscreen row

Perfectly suited for impressive presentations. Inspire viewers with wide corridors or life-sized wall areas. Through the combination of up to 25 (5x5) screens in matrix arrangement or for your creative use as a 1x5 row arranged vertically or horizontally, an emotional scene is created for comprehensive presentation possibilities.



Portrait / Landscape format

Depending on the content to be conveyed, the displays can be installed in portrait or landscape format. The portrait format is especially suited to the presentation of orientation and guidance systems, while the landscape format ideally lends itself to promotional inserts and the Picture in Picture function.



24/7 operation

Selected components allow professional use around the clock. Maximum reliability and low maintenance costs, coupled with long service life, are part of the JVC quality concept.



Robust metal housing with ultra-slim front bezel

Black anodised full metal housing with ultra-slim front bezel underline the high-quality display fittings. In combination with the VESA mount, easy transport and quick installation are guaranteed. The manufacturer's logo can be removed, thus enabling neutral installation. Also available as a special design without bar.



Flexible image distribution

Through the Picture in Picture (PiP) and Picture by Picture (PbP) functions, images from a digital source can also be fed in. An attractive option for including additional information.



Full HD – more detail

With JVC professional displays you can experience perfect picture quality in 1,920 x 1,080 full HD resolution. See the difference yourself.



Professional LAN/IR/RS-485/Make and Trigger interfaces

The option of external control and monitoring via remote function and professional interfaces ensure maximum ease of use. Of particular interest – as with studio monitors – is the Make and Trigger terminal, via which various main functions can be variably switched by contact. By using an IP network the devices can be monitored and controlled via web browser.



Motion sensor and SWAP

Guarantee immediate reaction to motion signals switched to the line monitor or display in real time. Ideal for security solutions, but also targeted promotional placements via digital signage. Among the numerous functions you can e.g. change the brightness or volume when you turn on the display – the combination of several functions is also possible.

Easy system integration

Sophisticated solution: expansion space in the rear panel of the display and the AC In/Out power connection allow an easy mounting of the 'Compact Player' with Mini PC and TV-TOOLS 8.0, or additional external hardware e.g. an HSDI/DVI converter.



Easy navigation

With the aid of the remote control the settings in the device menu can be adjusted very easily. Via the Menu button and the arrow buttons you can select the individual menu items and change these directly any way you like.



Schedule menu for example

Low energy costs – the environment says thank you

Energy efficiency and sustainability are more important than ever to companies. Thanks to the Eco-Sensor and adjustable backlight, the JVC displays minimise power consumption and operating costs and thus make an important contribution to protecting the environment.



Provided accessories



Motion sensor



Remote control

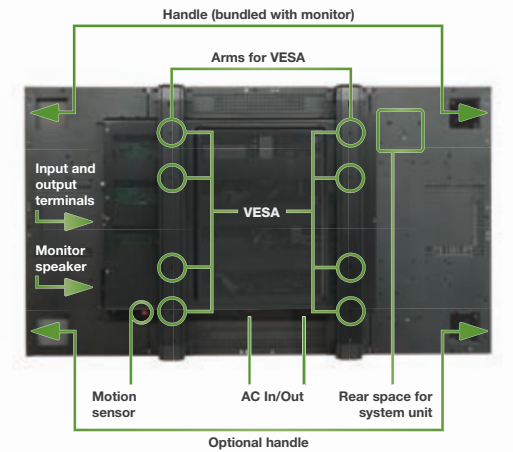


Cable set*

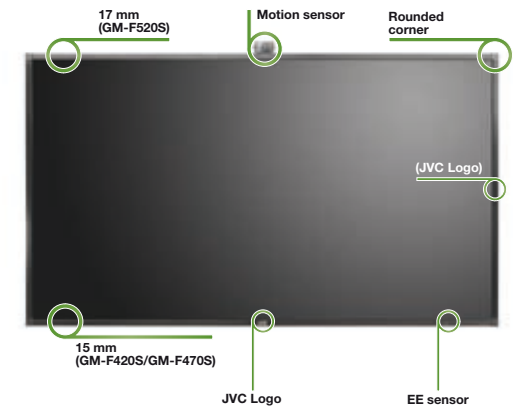
*optional extras

Mechanical Features

Rear



Front



Technical Specifications

Model		GM-F420S	GM-F470S	GM-F520S
Type		42 inch LCD monitor	47 inch LCD monitor	52 inch LCD monitor
LCD panel		TFT active matrix		
Screen size		42 inch	47 inch	52 inch
Aspect ratio		16:9		
Resolution		1,920 x 1,080		
Brightness		700 cd/m²		
Viewing angle		89/89/89/89		
Contrast ratio		1,000:1		2,000:1
Display colour		1.07 billion (10-bit)	1.07 billion (10-bit)	16.7 million (8-bit)
Signal format	Video	NTSC/PAL/SECAM/PAL-M/PAL-N		
	RGB	VGA-FHD (1,920 x 1,080)		
	DVI (HDCP)	VGA-FHD (1,920 x 1,080) 60 Hz		
Dimensions W x H x D mm (inches)		963.6x556.6x151.2 (38x22x6)	1075.2 x 620.4 x 151.2 (42-3/8 x 24-1/2 x 6)	1199.2 x 695.2 x 161.5 (47-1/4 x 27-3/8 x 6-1/2)
Bezel		15 mm		17 mm
Weight		24.9 Kg (55 lbs)	29.8 Kg (66 lbs)	40 Kg (91 lbs)
AC voltage		AC S120/220 – 240 V		
Power consumption		245 W	300 W	400 W
Frequency		50 Hz/60 Hz		
Speaker		1.7 W + 1.7 W		
Ext. speaker connector		2.3 W + 2.3 W		
Accessories		AC power code, remote control, motion sensor, handle, stand power code holder		
Input/Output Terminals				
Video		BNC x 1, with bridge out		
PC	RGB input	D-sub (15-pin) x (DDC2B)		
	RGB output	D-sub (15-pin) x (Active output)		
	DVI input	DVI-D x 1 (DDC2B)		
Audio	Audio 1 *Selectable for each Video and PC input	RCA x 2 (L/R), 500 mV (rms) with bridge out		
	Audio 2 *Selectable for each Video and PC input	Stereo Mini Jack x 1.500 mV (rms) with bridge out		
	Audio out	Speaker output terminal (L/R)		
External control	RS-232C	D-sub (9-pin) x 1		
	RS-485 / Make / Trigger	RJ-45 x 1 (8-pin)		
	RS-485 output	RJ-45 x 1 (8-pin)		
	LAN Remote	RJ-45 x 1 (8-pin)		

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INPUT TERMINALS	DVI-D
	Audio In/Out
	Speaker stereo
CONTROLS	RS-232C
	LAN Remote
	RS-485 In/Out
	Make/Trigger Remote control
FUNCTIONS	Native HD 1,920 x 1,080
	High brightness 700 cd/m ²
	Motion sensor
	PIP/PbP
	24 hours 7 days operation
	Slim bezel 15 mm (GM-F420S/F470S) 17 mm (for GM-F520S)
INSTALLATION	VESA
OPERATION	Power AC

Dimensions	
Unit: mm (inches)	
GM-F420S 	
GM-F470S 	
GM-F520S 	

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