

# VIEWMEDIC EV-C 424



24" display with FullHD

PC- and video Interfaces incl. SDI/HD-SDI/3G

Picture-in-picture-function

Frontal IP protection

# HIGH END MEDICAL MONITOR

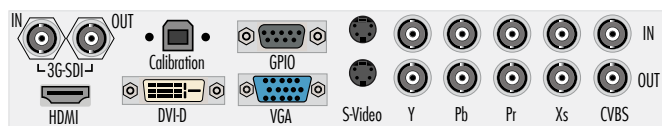
## Professional medical 24" monitor

The VIEWMEDIC EV-C 424 was specially designed for modern medical applications. The high end panel provides brilliant and authentic image quality. Furthermore the monitor is certified according to IEC 60601-1 and IEC 60601-1-2.

## Multi signal video controller including 3G-SDI

The many applications used in the hospital routine deliver images via a wide variety of signal paths. The EV-C provides a digital (DVI-D) and an analog input (VGA) for PC image sources, as well as extensive video inputs.

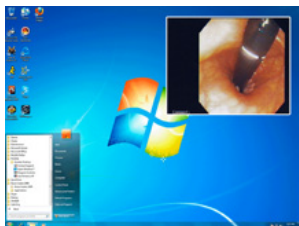
Out of the box the EV-C models are equipped with connection and loop options tailored to professional video applications, including a 3G/HD SDI interface (SMPTE 242M).



## Picture-in-picture function

With the PiP function, different signal sources can be displayed in picture-in-picture mode. Another function is the picture-outside-picture (PoP) function. This allows two images to be displayed in equal size. Unlike the PiP function, the images are displayed side by side.

### PIP



### POP



## DICOM Preset and hardware LUT calibration

All EV-C displays are equipped with the practical DICOM Preset. This factory programmed feature provides reliable display and image characteristics in accordance with DICOM standards. You can use the optional available PerfectLum calibration software and a measuring device to carry out a flawless DICOM calibration that can be repeated at any time.

As part of this process, the DICOM correction is stored in the LUT (look up table) of the monitor and operates independently of the graphics card. Furthermore, several monitors can be synchronised. In addition, the software provides a calendar function and reminds the user at a specified interval to perform a test.

## Memory slots for screen profiles

All device settings such as colour settings, video timings or brightness, can be stored in screen profiles and easily retrieved at any time. Moreover, the settings for the PiP function are stored in the screen profiles, independently for every user.



## Professional BNC interfaces

The video interfaces are available as BNC connectors. This allows the use of RG6 coaxial cable (75 Ω) for the complete video cabling in the operating room. Optionally, BNC-RCA-Adapter are included.

## Integrated luminance sensor

The EV-C display controllers are equipped with backlight stabilisation. A sensor in the display continuously measures brightness and ensures long-term stable luminance. For this reason the DICOM Preset as well as a precisely implemented calibration remain stable over a particularly long period of time.

Main / PiP source	VGA	DVI	HDMI	S-VIDEO	CVBS	YPbPr/YCbCr	RGBS	3G / HD-SDI
VGA	—	•	•	•	•	•	•	•
DVI	•	—	—	•	•	•	•	•
HDMI	•	—	—	•	•	•	•	•
S-VIDEO	•	•	•	—	•	•	•	•
CVBS	•	•	•	—	—	•	•	•
YPbPr/YCbCr	•	•	•	•	•	—	—	•
RGBS	•	•	•	•	•	—	—	•
3G / HD-SDI	•	•	•	•	•	•	•	—

# HIGH END MEDICAL MONITOR

## Innovative touch panel for hygienic device control

The touch sensitive control panel - named COMMAND BAR - is located behind a protective glass. The COMMAND BAR makes it simple to control the EV-C just with a touch. This method of device control is extremely practical, hygienic, completely without wear and also works with surgical gloves.

Each EV-C is equipped with a COMMAND BAR to control the individual functions of the monitor.



### EV-C 424

Technical data display	
Diagonal	24.1" (61,13 cm) colour display / 0.27 mm x 0.27 mm
Viewing Angle	178° / 178°
Brightness	400 cd/m², min. 320 cd/m²
Contrast ratio	700 : 1
Response time	5 ms (grey to grey)
Colors / Grayscale	10 Bit gamma correction, 1.07 B colours
Resolution (max.)	Physical / recommended 1920 x 1200 1920 x 1080 (FullHD 1:1), 1600 x 1200 (UXGA), 1280 x 1024 (SXGA), 1024 x 768 (XGA), 832 x 624, 600 x 800 (SVGA), 640 x 480 (VGA), 640 x 400, 640 x 350, 720 x 350
DICOM	DICOM Preset at 180 cd/m², optional LUT calibration with PerfectLum kit.
Interfaces	
Analog in / Digital in	HD-15, analog video RGB : 0.7Vp-p, 75 Ohm / DVI (DFP compatible with optional adapter), Digital RGB, horizontal and vertical sync
Multimedia in	HDMI 1.3a, tested timings (PAL/NTSC): 576/50i (PAL), 480/60i (NTSC), 576/50p, 480/60p, 720/50p, 720/60p, 1080/50i, 1080/60i, 1080/50p, 1080/60p
S-VIDEO (Y/C) in and loop through	NTSC: 4 Pin Mini DIN Y: 1Vp-p 75 Ohm positive, C : 0.286Vp-p 75 Ohm positive, Sync : 0.3Vp-p negative PAL: 4 Pin Mini DIN Y: Y : 1Vp-p 75 Ohm positive, C : 0.3Vp-p negative, Sync : 0.3Vp-p negative
YPbPr, RGB/Component in and loop through	3 x BNC, 0.7Vp-p, 75 Ohm positive, Sync On Green 0.3Vp-p sync negative 1 x BNC external sync, 2.0V min. - 5.5V max. +/- bipolar Tested Timings (PAL/NTSC): 1920 x 1080 (25p, 30p, 50p, 60p, 50i, 60i), 1280 x 720 (50p, 60p)
CVBS (Composite Video) in and loop through	1 x BNC, 1Vp-p, 75 Ohm sync negative
SD/HD-SDI/3G in and loop through	1 x BNC Digital Composite-Signal 3G Operating at 2.970Gb/s, 2.970/1.001Gb/s, 1.485Gb/s, 1.485/1.001Gb/s und 270Mb/s, supports SMPTE 425M-A, SMPTE 424M, SMPTE 292M, SMPTE 259M-C und DVB-ASI
Calibration (USB-B)	Interface for optional calibration via USB port
General data	
Operation	Capacitive touch OSD with 12 Buttons, direct ballot of video sources, keylock, removable cable remote (optional), GPIO protocol and GPIO customising on request
Power Supply	External power supply, input power AC 100 - 120 V / 220 - 240 V (50/60 Hz)
Power consumption	max. 110 W / Standby mode 15 W
Physical dimensions (HxWxD)	603 mm x 391 mm x 100 mm without stand / 9,38 kg without stand, approx. 13,5 kg with stand
Ambience conditions	Temperature +10° C to +40° C / air humidity 30% to 75% (not condensed)
VESA-Mounting	VESA 100
Safety test	CE, IEC 60601-1, IEC 60601-1-2
Options	Monitor stand
Warranty	2 years Bring-In-warranty

# CONTACT

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