

Surgical Visualization Solutions

EMEA FSN Medical Technologies



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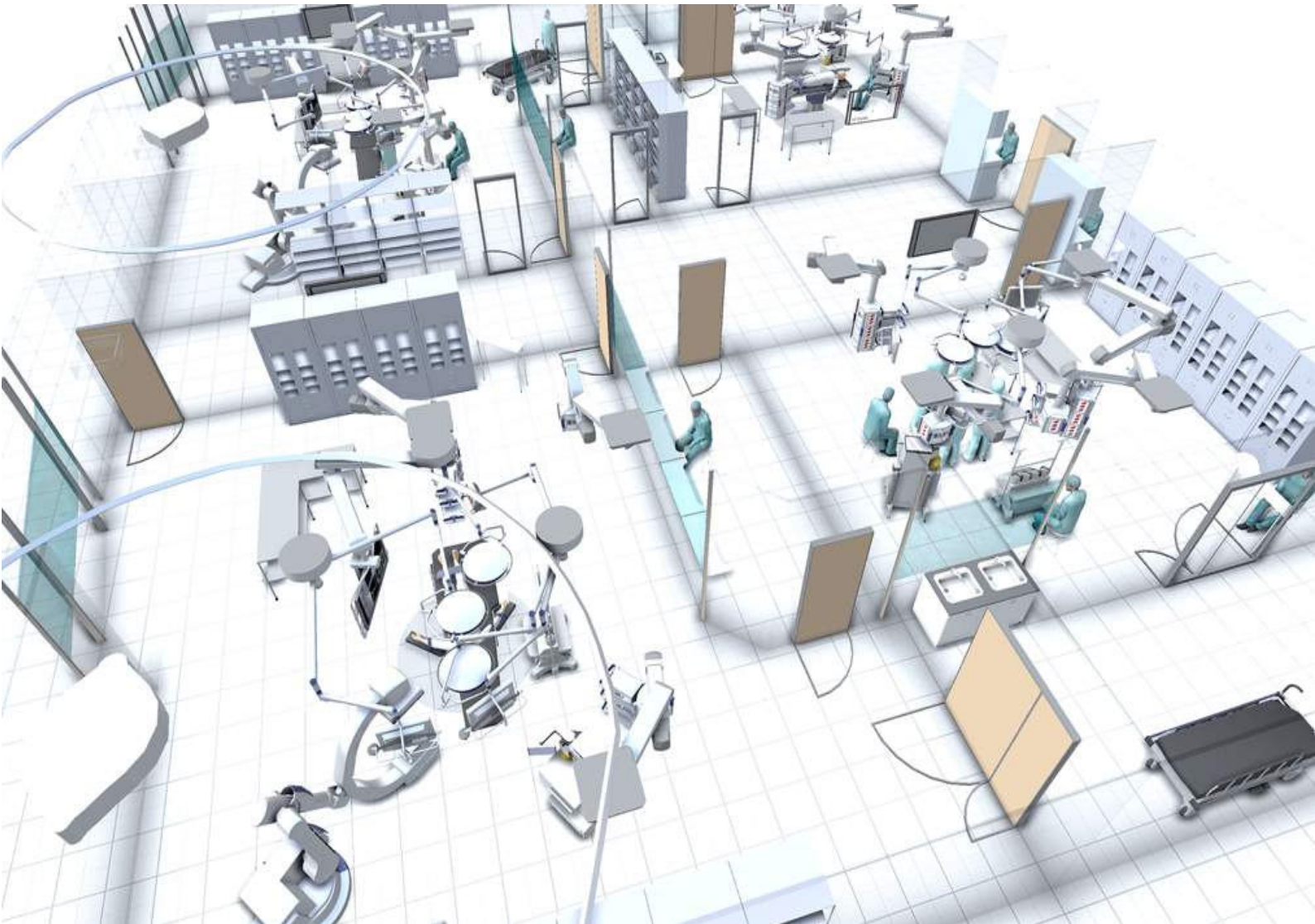


Sharing Your Vision

SURGICAL DISPLAY MONITORS

SIGNAL MANAGEMENT

CONNECTING INFRASTRUCTURE

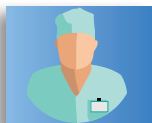


19" High-Bright Medical Display

FS-Y1901D

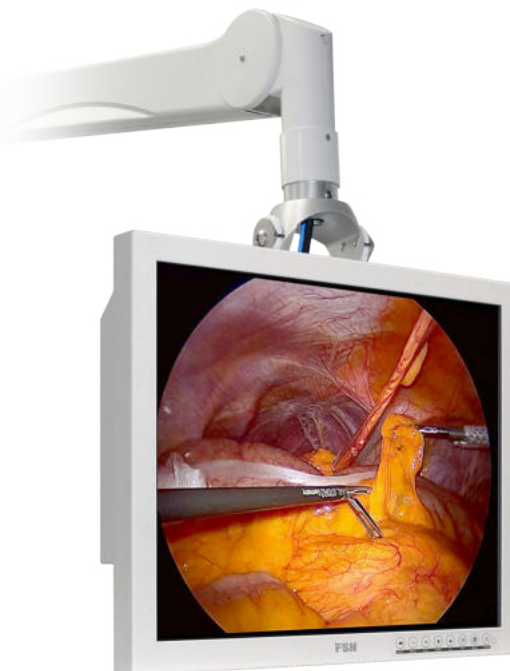


19" medical display monitors from FSN offer a rich set of features, coupled with exceptional value. The size of FS-Y1901D promotes maneuverability and versatility, ideal for limited spaces. Above all, it is designed to give medical professionals the clearest images, and complete video signal control in the OR. Match this display monitor with other FSN integration components for a superior visualization technology system.



Designed for Surgical Images

Displays that are not constructed to medical grade standards may expose the patient to diagnostic or procedural risk. Rest assured that FS-Y1901D is an FDA recognized medical device that keeps patient safety and clinical reliability at the forefront of its designed use.

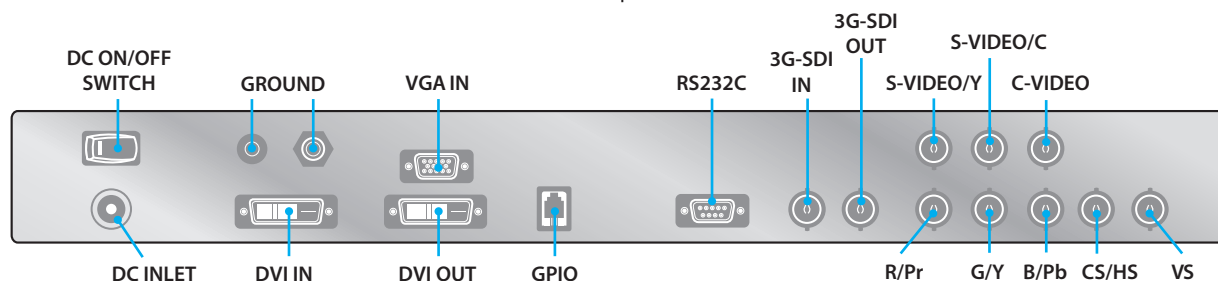


Multi-Modality Display

Even with its lower cost of ownership, FSN's 19" display is compatible with both analog and HD digital video signals. FS-Y1901D delivers the features required for crystal clear visualization, regardless of the surgical environment it is deployed in.

Advanced Features

This compact monitor comes with a back cover plate to help cleanly manage cables and wires, a long-life cool temperature LED backlight, and fan-less construction that does not trap airborne pathogens within the monitor housing.



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19" High-Bright Medical Display

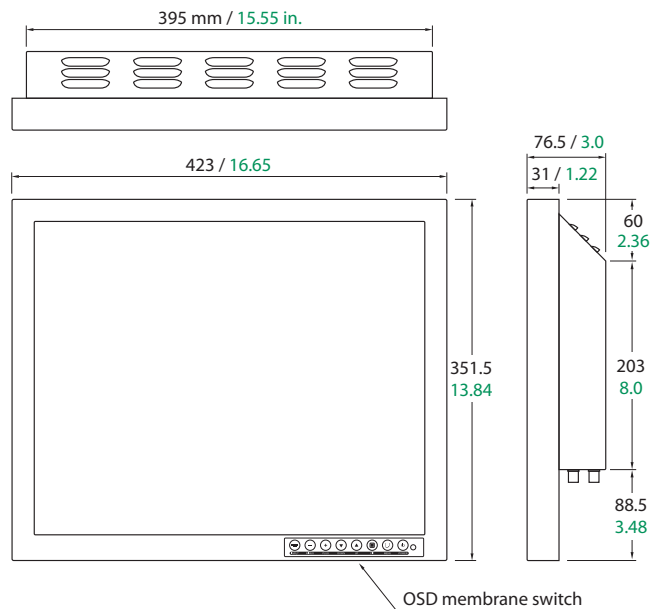
FS-Y1901D



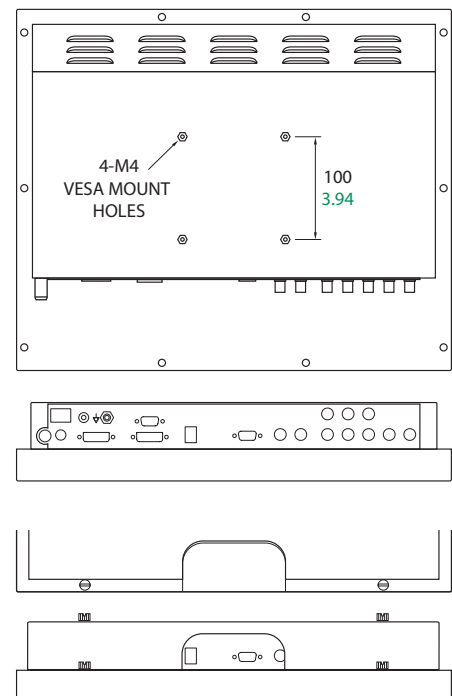
Specifications

General Features

Item	Description
Panel	19 inch TFT LCD (LED)
Resolution	1280 x 1024 pixel
Aspect Ratio	5 : 4
Active Area	376.3(H)mm x 301.0(V)mm
Pixel Pitch (mm)	0.294 x 0.294
Response Time (typ.)	25 ms (rising and falling)
Number of Colors	16.7 Million
Brightness (typical)	500 cd/m ²
Contrast Ratio (typical)	800 : 1
Surface Treatment	Anti-glare
Viewing Angle (CR>20)	R/L 170°, U/D 170°



Item	Description
Input Signal	1 x DVI-D 1 x VGA (D-sub) 1 x SD/HD/3G-SDI (BNC) 1 x C-Video (BNC) 1 x S-Video (Y/C) (BNC) 1 x Component (RGBS, YPbPr) (5 x BNC)
Output Signal	1 x DVI-D 1 x SD/HD/3G-SDI (BNC)
Power Supply	AC/DC Adaptor (AC 100~240V, DC 12V 7A)
Power Consumption	60W max
Accessories Included	User manual, AC-DC adaptor, AC power cord, DVI-D cable, BNC cable, D-SUB cable, S-Video (Y/C) cable, Screw BH M4 x 10
Unit Dimension	423(W) x 351.5(H) x 76.5(D) mm 16.65(W) x 13.84(H) x 3.0(D) inch
Package Dimension	571.5(W) x 561.98(H) x 190.5(D) mm 22.5(W) x 22.125(H) x 7.5(D) inch
Weight	6.04 kg, 13.32 lbs. (monitor with cover) 9.47 kg, 20.88 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1 (UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



FSN Medical Technologies products meet RoHS2 and Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) obligations. FSN manages the information flow as required by regulations.

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Specifications are subject to change with or without notice. Doc. # FSN1971 Rev. 10/18

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21.5" HD LED Medical Display

FS-E2101D



FSN Medical Technologies has solutions for high definition displaying of medical video signals. Our products are engineered and built for compatibility with specialized surgical and diagnostic equipment used in operating rooms, emergency rooms, and procedural facilities.

Crystal Clear High Definition Images

FS-E2101D is equipped to handle tasks in the demanding OR environment. It features rapid video signal detection, image pan, zoom, freeze, picture-in-picture, all in a fanless - sterile field compatible enclosure. This 21.5 inch HD monitor offers exceptional value. The size is ideal for limited spaces that still require monitor maneuverability.

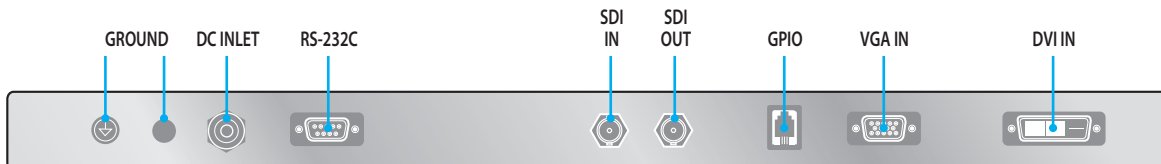
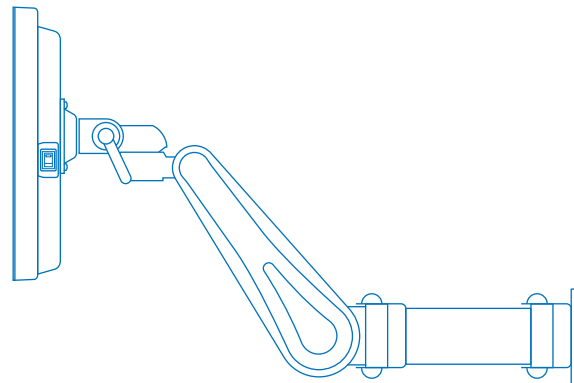
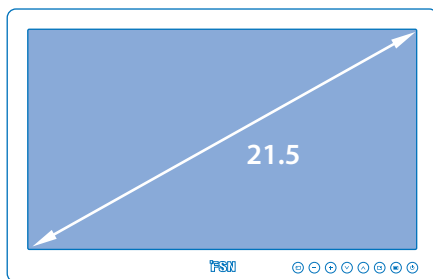


User Friendly

FS-E2101D features an intuitive, full-featured on screen menu for image and layout settings. Multi-modality options let doctors view two images at the same time. The rounded monitor housing corners help protect



OR personnel from accidental bumping injuries. Its lightweight design is ideal for boom or spring-arm mounting, and the front surface is edge-to-edge glass for fast, easy cleaning.



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21.5" HD LED Medical Display

FS-E2101D

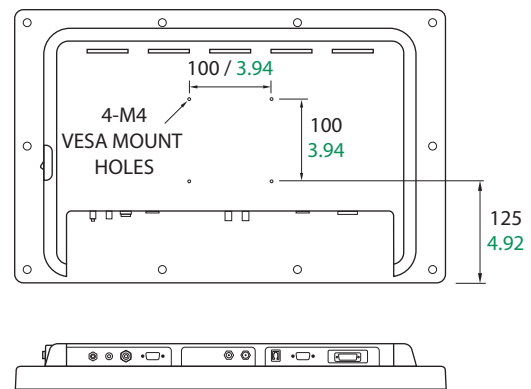
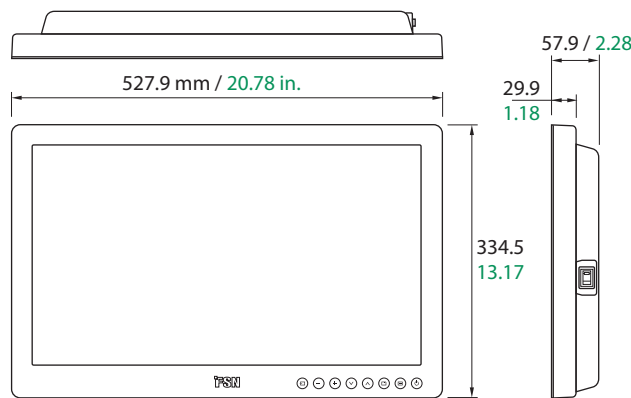


Specifications

General Features

Item	Description
Panel	21.5 inch TFT LCD (LED)
Resolution	1920 x 1080 pixel
Aspect Ratio	16 : 9
Active Area	476.06(H)mm x 267.79(V)mm
Pixel Pitch (mm)	0.2479 x 0.2479
Response Time (typical)	22 ms (rise and fall)
Number of Colors	16.7 million
Brightness (typical)	400 cd/m ²
Contrast Ratio (typical)	1000 : 1
Surface Treatment	Double side AR & AF
Viewing Angle (CR>10)	R/L 178°, U/D 178°
Input Signal	1 x DVI-D (single link) 1 x VGA 1 x SDI (SD/HD/3G)
Output Signal	1 x SDI (SD/HD/3G)
Power Supply	AC/DC Adaptor (AC 100~240V, DC 12V 5A)
Power Consumption	40W max

Item	Description
Accessories Included	User manual, AC-DC adaptor, AC power cord, DVI-D to HDMI cable, Screw BH M4 x 14
Unit Dimension	527.9(W) x 334.5(H) x 57.9(D) mm 20.78(W) x 13.17(H) x 2.28(D) inch
Package Dimension	670(W) x 580(H) x 163(D) mm 26.38(W) x 22.83(H) x 6.41(D) inch
IP Rating	IP33
Weight	5.6 kg, 12.35 lbs. (monitor) 8.36 kg, 18.43 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1 (UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



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21.5" HD LED Medical Touchscreen Display

FS-E2101DT



Crystal Clear High Definition Images

This touchscreen medical display is ideal for manipulating images in applications that incorporate endoscopic cameras, ultrasound, cardiology, room or boom cameras, patient vital signs, and more. It displays images with near zero latency, and is compatible with major MIS camera systems in use.



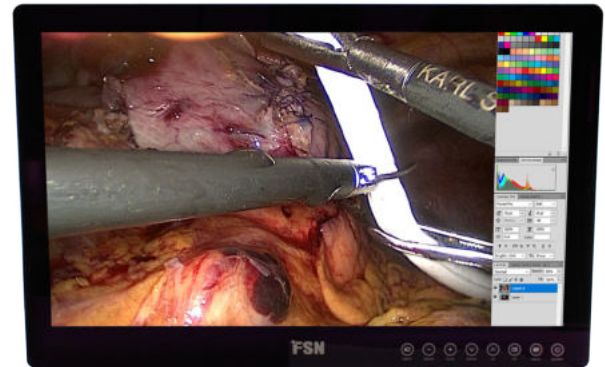
User Friendly

FS-E2101DT features an intuitive, full-featured on screen menu for image and layout settings. Multi-modality options let doctors view two images at the same time. The rounded monitor housing corners help protect OR personnel from accidental bumping injuries. Its lightweight design is ideal for boom or spring-arm mounting, and the front surface is edge-to-edge glass for fast, easy cleaning.

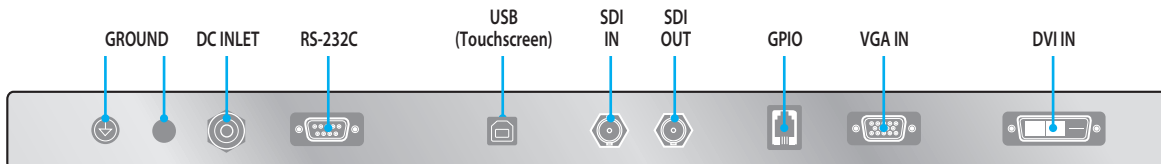
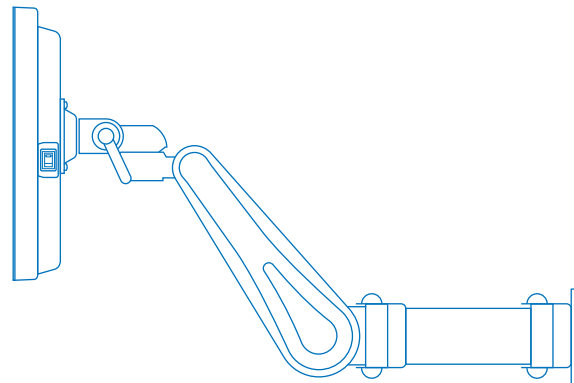
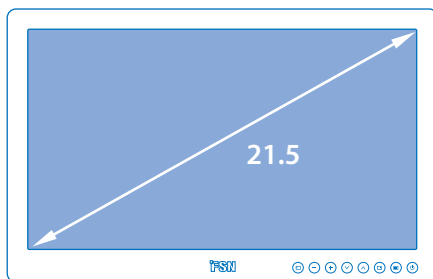


Fingertip Control

FS-E2101DT is a projected capacitive multi-touch screen that is designed for medical applications, including complex user interfaces.



The touchscreen offers convenient data and image control for clinicians. It features a high brightness LED back light and rich color calibration for HD medical grade image consistency. Like other FSN displays, this model has a complete set of features designed for presenting images from sophisticated medical video equipment.



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21.5" HD LED Medical Touchscreen Display

FS-E2101DT

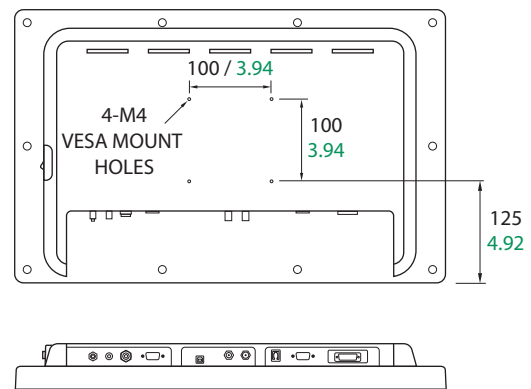
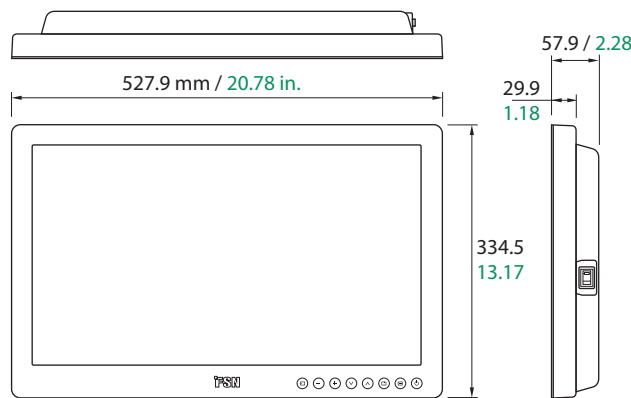


Specifications

General Features

Item	Description
Panel	21.5 inch TFT LCD (LED)
Resolution	1920 x 1080 pixel
Aspect Ratio	16 : 9
Active Area	476.06(H)mm x 267.79(V)mm
Touchscreen	Projected capacitive USB (2.0)
Pixel Pitch (mm)	0.2479 x 0.2479
Response Time (typical)	22 ms (rise and fall)
Number of Colors	16.7 million
Brightness (typical)	340 cd/m ²
Contrast Ratio (typical)	1000 : 1
Surface Treatment	Front side AR & AF
Viewing Angle (CR>10)	R/L 178°, U/D 178°
Input Signal	1 x DVI-D (single link) 1 x VGA 1 x SDI (SD/HD/3G)
Output Signal	1 x SDI (SD/HD/3G)
Power Supply	AC/DC Adaptor (AC 100~240V, DC 12V 5A)

Item	Description
Power Consumption	40W max
Accessories Included	User manual, AC-DC adaptor, AC power cord, DVI-D to HDMI cable, USB cable, Screw BH M4 x 14
Unit Dimension	527.9(W) x 334.5(H) x 57.9(D) mm 20.78(W) x 13.17(H) x 2.28(D) inch
Package Dimension	670(W) x 580(H) x 163(D) mm 26.38(W) x 22.83(H) x 6.41(D) inch
IP Rating	IP33
Weight	5.7 kg, 12.57 lbs. (monitor) 8.46 kg, 18.65 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1 (UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



FSN Medical Technologies products meet RoHS2 and Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) obligations. FSN manages the information flow as required by regulations.

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Specifications are subject to change with or without notice. Doc. # FSN2009 Rev. 5/19

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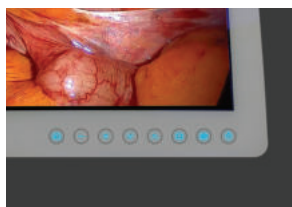
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24" HD LED Medical Display

FS-P2404D



The FS-P2404D 24" display monitor is ideal for showing ultra-clear endoscopic, fluoroscopic, ultrasound, or other live surgical video content. Unlike commercial-grade displays that are not constructed to medical standards, it is designed for patient safety and clinical reliability. FS-P2404D has settings that allow for flexible screen layouts, such as picture-by-picture, using separate video signals. It is a solid, yet economical, performer that has all of the features needed in today's OR.



Superior Front Glass Design

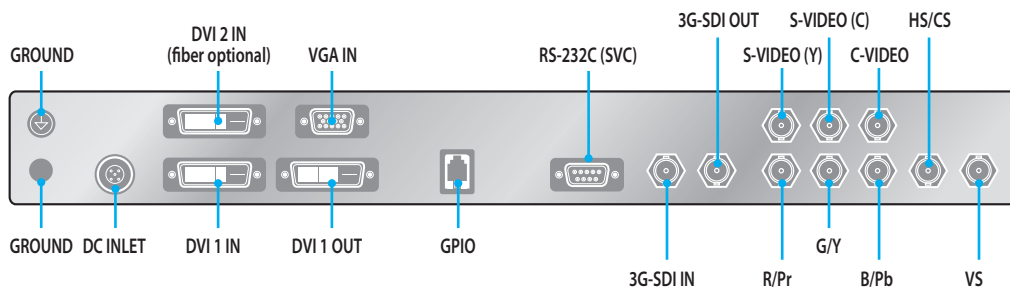
FS-P2404D features front filter technology that increases efficiency. FSN's bonding process provides higher brightness, higher

contrast ratio, minimized glare, and increased strength. The flush-front glass design is easy to clean, including the touch interface controls. This allows for fast procedure turnaround. FS-P2404D has an ingress protection (IP) rating of 33 to protect against the intrusion of solids or liquids, safeguarding the internal components from damage during intensive medical procedure conditions. The rounded corners help protect OR personnel from accidental bumping injuries.



OR Ready

This monitor is compatible with all major MIS camera systems, either standard analog or digital high-definition. It features rapid signal detection of video sources found in the OR thanks to extensive built-in timing tables. The wide selection of video connections on the back of the monitor allow for medical imaging source compatibility, new or old. FS-P2404D is manufactured to FSN's benchmarks for medical-grade quality and reliability.



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24" HD LED Medical Display

FS-P2404D

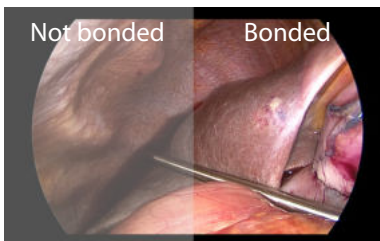
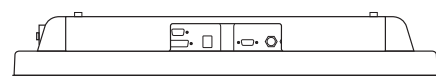
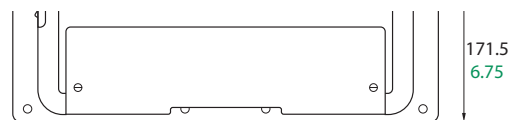
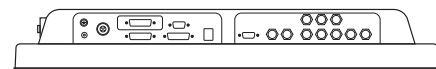
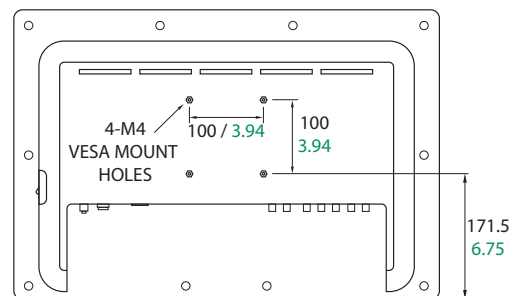
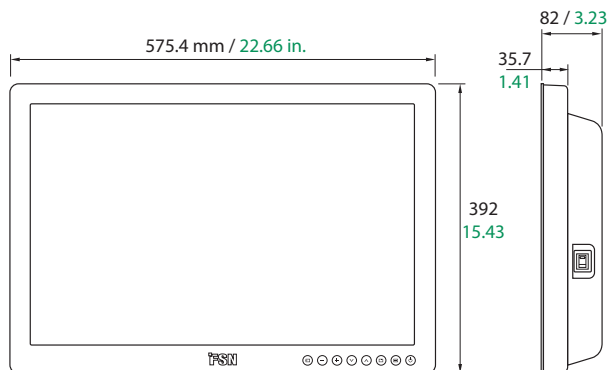


Specifications

General Features

Item	Description
Panel	24 inch TFT LCD (LED)
Resolution	1920 x 1200 pixel
Aspect Ratio	16 : 10
Active Area	518.4(H)mm x 324.0(V)mm
Pixel Pitch (mm)	0.27 x 0.27
Response Time (typ.)	10 ms (rise time)
Number of Colors	1.07 Billion
Brightness (typical)	400 cd/m ²
Contrast Ratio	1500 : 1 (typical)
Surface Treatment	Anti-glare
Viewing Angle (CR>10)	R/L 178°, U/D 178°
Input Signal	1 x DVI-D 1 1 x DVI-D 2 (fiber optional) 1 x VGA (D-sub) 1 x SD/HD/3G-SDI (BNC) 1 x C-Video (BNC) 1 x S-Video (Y/C) (2 x BNC) 1 x Component (RGBS, YPbPr) (5 x BNC)

Item	Description
Output Signal	1 x DVI-D 1 x SD/HD/3G-SDI (BNC)
Power Supply	AC/DC Adaptor (AC 100~240V, DC 24V 5A)
Power Consumption	55W max
Accessories Included	User manual, AC-DC adaptor, AC power cord, DVI-D cable, BNC cable, Screw BH M4 x 10
Unit Dimension	575.4(W) x 392(H) x 82(D) mm 22.65(W) x 15.43(H) x 3.23(D) inch
Package Dimension	670.05(W) x 657.35(H) x 234.95(D) mm 26.38(W) x 25.88(H) x 9.25(D) inch
IP Rating	IP33 - overall, IP44 - front side only
IK Rating	IK07 with 5H AR glass
Weight	7.42 kg, 16.36 lbs. (monitor with cover) 11.81 kg, 26.04 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1 (UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



FSN's optical bonding process (right) improves contrast ratio and brightness, and increases humidity resistance and breakage resistance.

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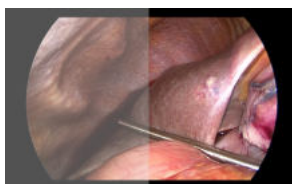
26" HD LED Medical Display

FS-P2604D



Designed for a Better Image

This 26 inch medical grade display from FSN has the latest technology needed to reproduce super-sharp HD images. The front filter bonding process provides higher brightness, higher contrast ratio, minimized glare, resistance to internal condensation, and increased strength. Flush-front glass

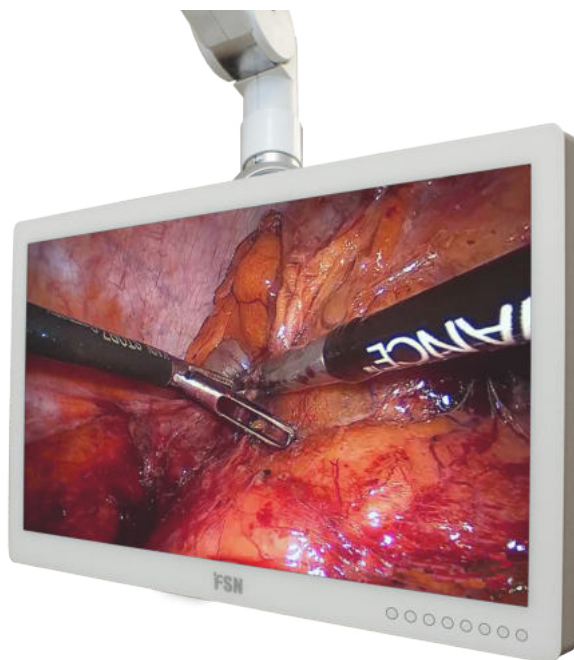


FSN's bonding process (right) improves picture quality.

with touch interface control is easy to clean and allows for fast procedure turnaround. FS-P2604D has an ingress protection (IP) rating of 33 to safeguard the display monitor's internal components and protect against the intrusion of solids or liquids.

Broad Compatibility

Thanks to rapid signal detection and robust mode tables, FS-P2604D automatically recognizes other highly specialized surgical and diagnostic equipment found in surgical suites, operating rooms, emergency rooms, and procedural facilities.

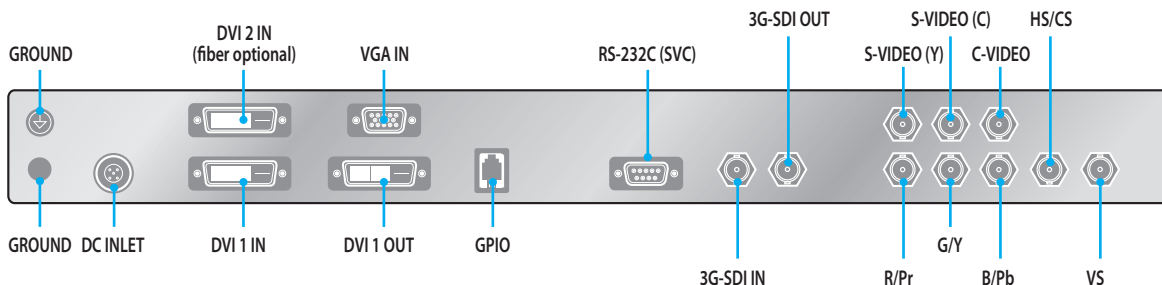


Video connections are available for DVI-D, SDI (SD/HD/3G-SDI), VGA, C-Video, S-Video, and Component. This ensures compatibility with popular signal types found in surgical applications.



User Friendly

FS-P2604D features an intuitive, full-featured on screen menu for image and layout settings. Multi-modality options let doctors view two images at the same time. The rounded monitor housing corners help protect OR personnel from accidental bumping injuries. Its lightweight design is ideal for boom or spring-arm mounting, and the convenient back cable cover helps organize and manage multiple cords.



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26" HD LED Medical Display

FS-P2604D

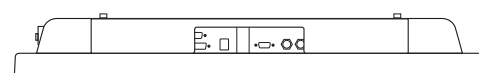
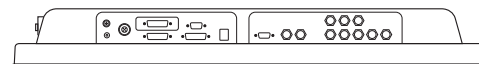
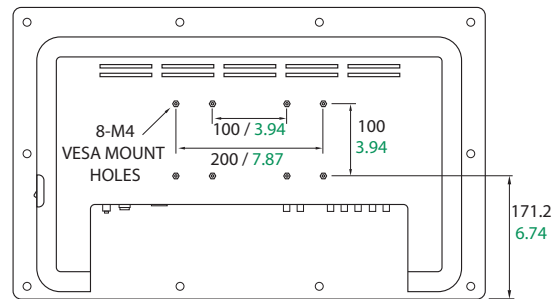
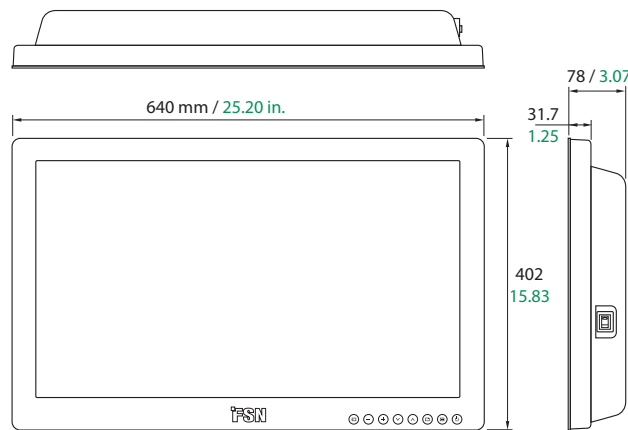


Specifications

General Features

Item	Description
Panel	26 inch TFT LCD (LED)
Resolution	1920 x 1080 pixel
Aspect Ratio	16 : 9
Active Area	576.0(H)mm x 324.0(V)mm
Pixel Pitch (mm)	0.30 x 0.30
Response Time (typical)	10 ms (rise time)
Number of Colors	1.07 Billion
Brightness (typical)	500 cd/m ²
Contrast Ratio (typical)	1500 : 1
Surface Treatment	Anti-glare
Viewing Angle (CR>10)	R/L 178°, U/D 178°
Input Signal	1 x DVI-D 1 1 x DVI-D 2 (fiber optional) 1 x VGA (D-sub) 1 x SD/HD/3G-SDI (BNC) 1 x C-Video (BNC) 1 x S-Video (Y/C) (2 x BNC) 1 x Component (RGBS, YPbPr) (5 x BNC)

Item	Description
Output Signal	1 x DVI-D 1 x SD/HD/3G-SDI (BNC)
Power Supply	AC/DC Adaptor (AC 100~240V, DC 24V 6.6A)
Power Consumption	65W max
Accessories Included	User manual, AC-DC adaptor, AC power cord, DVI-D cable, BNC cable, Screw BH M4 x 10
Unit Dimension	640(W) x 402(H) x 78(D) mm 25.20(W) x 15.83(H) x 3.07(D) inch
Package Dimension	755.65(W) x 654.05(H) x 234.95(D) mm 29.75(W) x 25.75(H) x 9.25(D) inch
IP Rating	IP33 - overall, IP44 - front side only
IK Rating	IK07 with 5H AR glass
Weight	8.44 kg, 18.61 lbs. (monitor with cover) 12.85 kg, 28.33 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1 (UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



FSN Medical Technologies products meet RoHS2 and Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) obligations. FSN manages the information flow as required by regulations.

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Specifications are subject to change with or without notice. Doc. # FSN1987 Rev. 10/18

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27" HD Medical Display

FS-L2702D

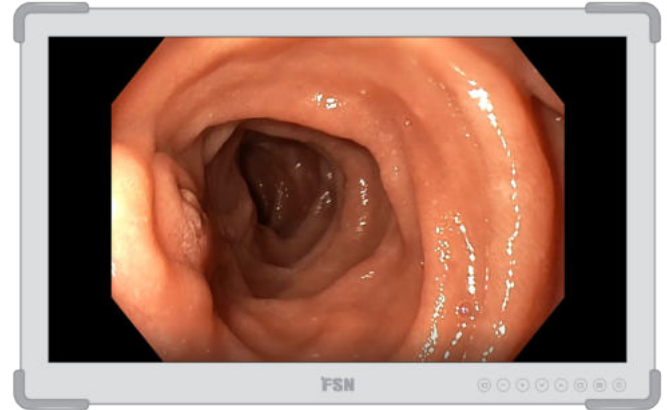


FS-L2702D features a high brightness LED back light and rich color calibration set to Rec. 709 (sRGB gamut) for HD medical grade image consistency. FSN's complete set of monitor features are designed specifically for presenting images from surgical endoscopic camera systems or other medical imaging devices.



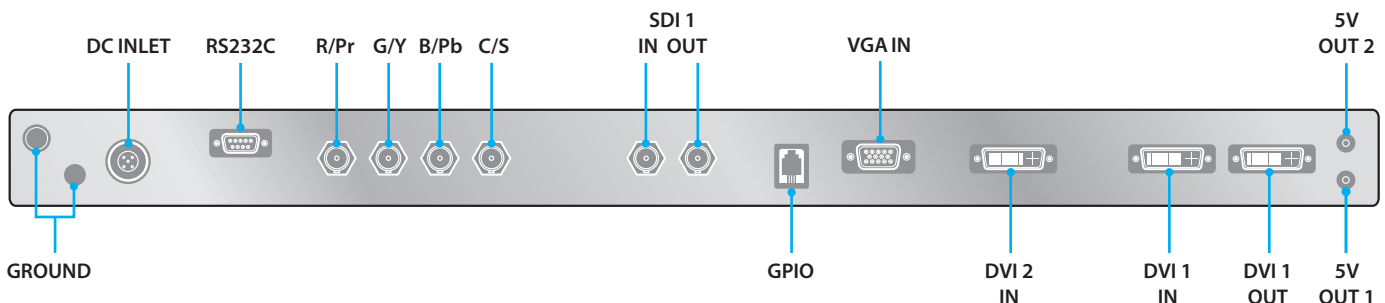
User Friendly

FS-L2702D incorporates an intuitive, full-featured on screen menu for image and layout settings. Multi-modality options let doctors view two images at the same time. Its lightweight design is ideal for boom or spring-arm mounting, and the convenient back cable cover helps organize and manage multiple cords.



Designed for the OR

The unique exterior of FS-L2702D is comprised of a slim and sleek housing design, built in rounded corner bumpers for added safety, and sturdy construction that withstands the rigors of daily OR use. Edge-to-edge front glass allows for fast disinfection and quick surgery room turnaround. Ingress protection rating of 33 helps protect internal components against solid or liquid contamination. The monitor's back cover offers input/output port protection and clean cable management.



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27" HD Medical Display

FS-L2702D

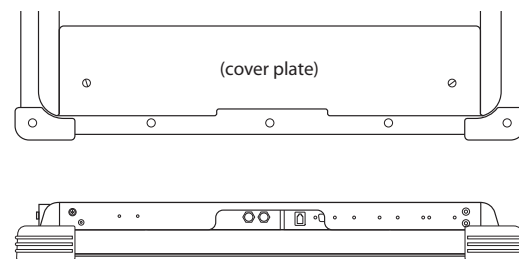
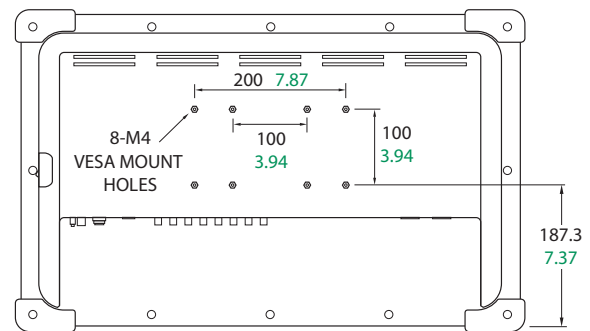
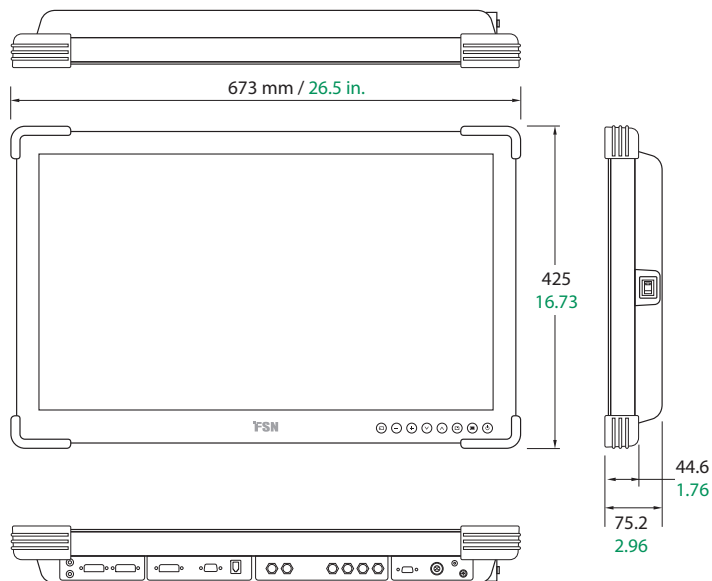


Specifications

General Features

Item	Description
Panel	27 inch TFT LCD (LED)
Resolution	1920 x 1080 pixel
Aspect Ratio	16 : 9
Active Area	597.89 (H)mm x 336.31 (V)mm
Pixel Pitch (mm)	0.3114 x 0.3114
Response Time (typical)	14 ms (gray to gray)
Number of Colors	1.07 Billion
Brightness (typical)	800 cd/m ²
Contrast Ratio (typical)	1000 : 1
Surface Treatment	Anti-glare
Viewing Angle (CR>10)	R/L 178°, U/D 178°

Item	Description
Input Signal	2 x DVI (single link) 1 x VGA 1 x Component 1 x SDI (3G)
Output Signal	1 x DVI (single link) 1 x SDI (3G)
Power Supply	AC/DC Adaptor (AC 100~240V, DC 24V/6.6A)
Power Consumption	100W
Accessories Included	User manual, AC-DC adaptor, AC power cord, DVI-D cable, BNC cable, Screw BH M4 x 14
Unit Dimension	673(W) x 425(H) x 75.2(D) mm 26.49(W) x 16.73(H) x 2.96(D) inch
Package Dimension	755.65(W) x 654.05(H) x 234.95(D) mm 29.75(W) x 25.75(H) x 9.25(D) inch
IP Rating	IP33 - overall
Weight	8.73 kg, 19.25 lbs. (monitor with cover) 13.9 kg, 30.64 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



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27" HD Touchscreen Medical Display

FS-L2702DT



FS-L2702DT is a projected capacitive multi-touch screen that is designed for medical applications including endoscopy, fluoroscopy, and ultrasound. The touchscreen offers ultimate data and image control for clinicians. It features a high brightness LED back light and rich color calibration set to Rec. 709 (sRGB gamut) for HD medical grade image consistency. FSN's complete set of monitor features are designed specifically for presenting images from surgical endoscopic camera systems or other medical imaging devices.



User Friendly

FS-L2702DT incorporates an intuitive, full-featured on screen menu for image and layout settings. Multi-modality options let doctors view two images

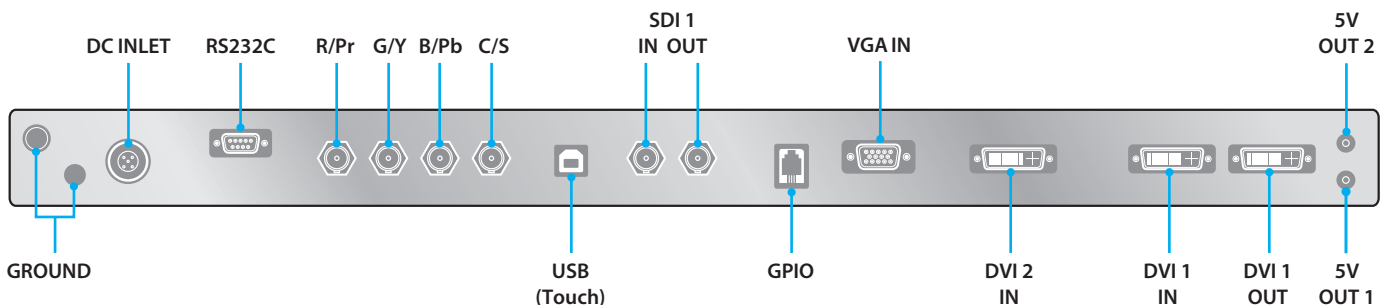


at the same time. Its lightweight design is ideal for boom or spring-arm mounting, and the convenient back cable cover helps organize and manage multiple cords.



Designed for the OR

The unique exterior of FS-L2702DT is comprised of a slim and sleek housing design, built in rounded corner bumpers for added safety, and sturdy construction that withstands the rigors of daily OR use. Edge-to-edge front glass allows for fast disinfection and quick surgery room turnaround. Ingress protection rating of 33 helps protect internal components against solid or liquid contamination. The monitor's back cover offers input/output port protection and clean cable management.



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27" HD Medical Display

FS-L2702DT

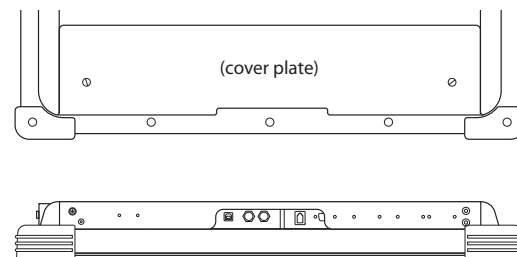
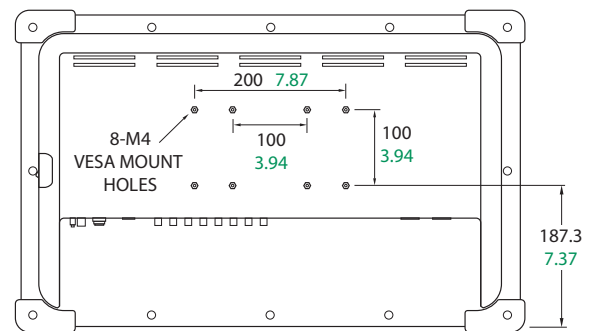
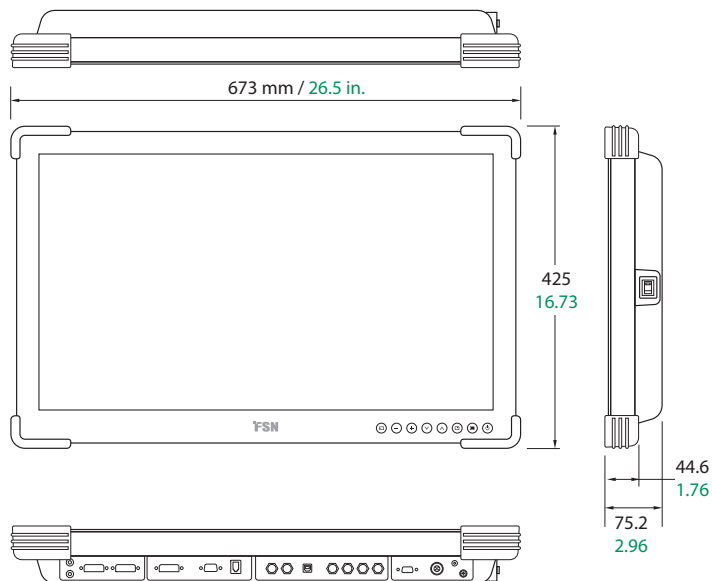


Specifications

General Features

Item	Description
Panel	27 inch TFT LCD (LED)
Resolution	1920 x 1080 pixel
Aspect Ratio	16 : 9
Active Area	597.89 (H)mm x 336.31 (V)mm
Touchscreen	Projected Capacitive USB
Pixel Pitch (mm)	0.3114 x 0.3114
Response Time (typical)	14 ms (gray to gray)
Number of Colors	1.07 Billion
Brightness (typical)	800 cd/m ²
Contrast Ratio (typical)	1000 : 1
Surface Treatment	Anti-glare
Viewing Angle (CR>10)	R/L 178°, U/D 178°

Item	Description
Input Signal	2 x DVI (single link) 1 x VGA 1 x Component 1 x SDI (3G)
Output Signal	1 x DVI (single link) 1 x SDI (3G)
Power Supply	AC/DC Adaptor (AC 100~240V, DC 24V/6.6A)
Power Consumption	100W
Accessories Included	User manual, AC-DC adaptor, AC power cord, DVI-D cable, BNC cable, USB cable, Screw BH M4 x 14
Unit Dimension	673(W) x 425(H) x 75.2(D) mm 26.49(W) x 16.73(H) x 2.96(D) inch
Package Dimension	755.65(W) x 654.05(H) x 234.95(D) mm 29.75(W) x 25.75(H) x 9.25(D) inch
IP Rating	IP33 - overall
Weight	9.09 kg, 20.04 lbs. (monitor with cover) 14.5 kg, 31.97 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



FSN Medical Technologies products meet RoHS2 and Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) obligations. FSN manages the information flow as required by regulations.

Specifications are subject to change with or without notice. Doc. # FSN2002 Rev. 12/18

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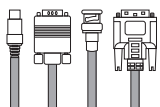
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32" High-Bright Medical Display

FS-L3202D



FSN's 32 inch HD medical-grade monitor features a large viewing area, yet is within the requirements of most boom mounting systems. Picture-in-picture or picture-by-picture screen layouts can be fully adjusted for size and position, giving surgeons the flexibility to work with video images tailored to their preference. FS-L3202D is designed without an internal fan. This eliminates the spread of contaminants and makes the monitor perfectly suited for the sterile field in an operating room.



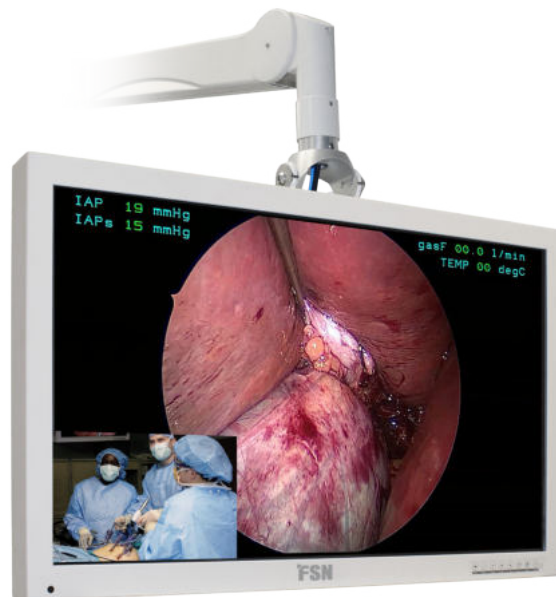
Input & Output Selection

FS-L3202D comes standard with extensive compatibility already built in. Connections are available for a vast array of video signals (digital and analog) including DVI-D, 3G-SDI, SOG, VGA, C-Video, S-Video, and Component. This means that it can adapt to different applications without having to buy extra equipment.



Source Compatibility

With a full range of signal timing tables, FS-L3202D offers ultra-fast video signal detection.

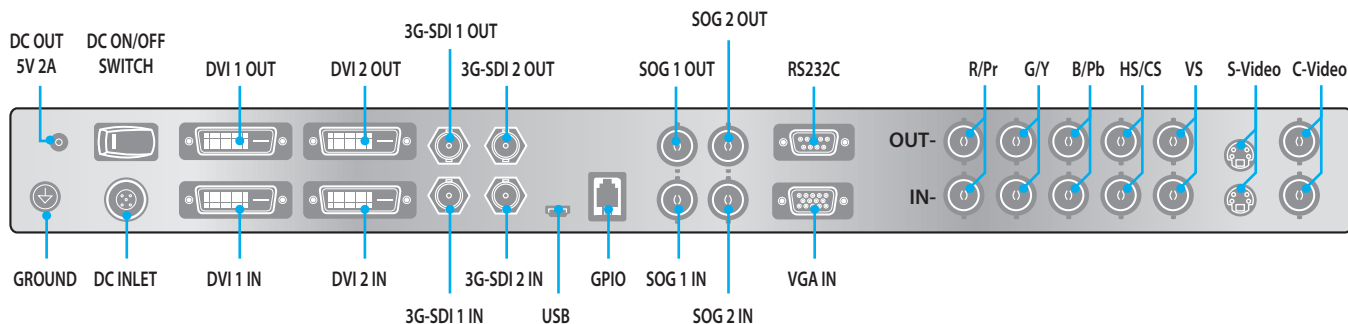


This monitor offers superior color reproduction, and displays exact visualization of critical anatomy being captured by the camera. It provides surgeons with the images needed for multi-specialty procedures, all while being compatible with all popular endoscopy systems.



Attention to Detail

This unit comes with design enhancements that improve workflow in a medical operating room environment. A handheld remote control is included. DC power is available near the video in/out connections to support smaller components such as fiber optic receivers. FS-L3202D reduces cable clutter with its back cover attachment.



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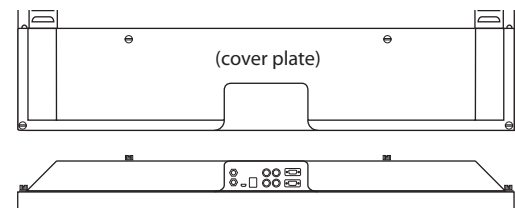
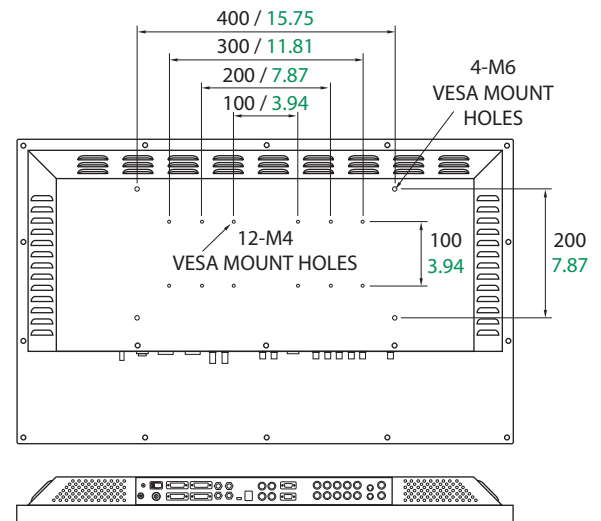
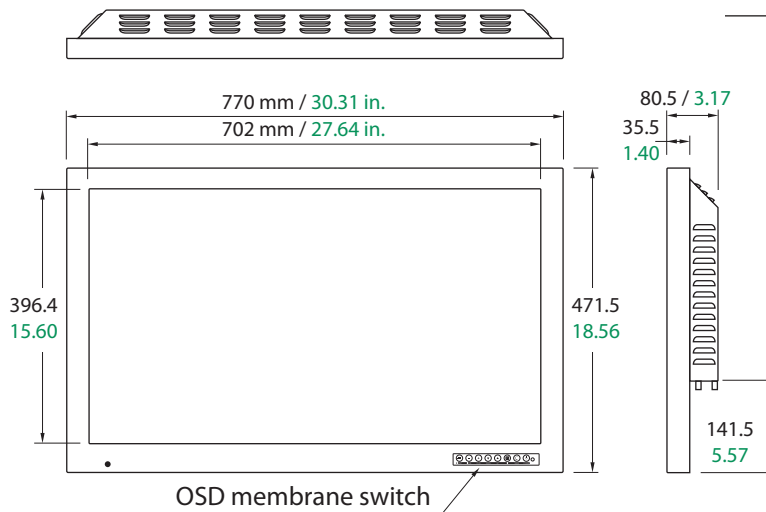
FS-L3202D

Specifications

General Features

Item	Description
Panel	32 inch TFT LCD (LED)
Resolution	1920 x 1080 pixel
Aspect Ratio	16 : 9
Active Area	698.4(H)mm x 392.9(V)mm
Pixel Pitch (mm)	0.36375 x 0.36375
Response Time (typical)	25 ms (gray to gray)
Number of Colors	16.7 Million
Brightness (typical)	450 cd/m ²
Contrast Ratio (typical)	1300 : 1
Surface Treatment	Anti-glare
Viewing Angle (CR>10)	R/L 178°, U/D 178°
Input Signal	2 x DVI-D
	2 x SD/HD/3G-SDI (BNC)
	2 x SOG
	1 x VGA (D-sub)
	1 x C-Video (BNC)
	1 x S-Video (DIN)
	1 x Component (RGBS, YPbPr) (5 x BNC)

Item	Description
Output Signal	2 x DVI-D
	2 x SD/HD/3G-SDI (BNC)
	2 x SOG
	1 x C-Video (BNC)
	1 x S-Video (DIN)
	1 x Component (RGBS, YPbPr) (5 x BNC)
Power Supply	AC/DC Adaptor (AC 100-240V~, DC 24V 6.25A)
Power Consumption	75W max.
Accessories Included	User manual, AC-DC adaptor, AC power cord, DVI-D cable, BNC cable, Remote control, Screw BH M4 x 14
Unit Dimension	770(W) x 471.5(H) x 80.5(D) mm 30.31(W) x 18.56(H) x 3.17(D) inch
Package Dimension	911.35(W) x 742.95(H) x 234.95(D) mm 35.88(W) x 29.25(H) x 9.25(D) inch
IP Rating	IPX1
Weight	13.18 kg, 29.06 lbs. (monitor with cover) 19.14 kg, 42.2 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



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Specifications are subject to change with or without notice. Doc. # FSN1955 Rev. 10/18

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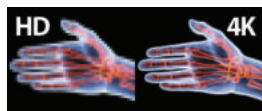
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Foreseeson (Shanghai)

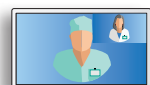
Medical Equipment Co., Ltd.
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No. 56, 461 Hongcao Road
Caohejing Development District
Xuhui, Shanghai 200233
Tel: 86-21-6113-4188

27" 4K Medical Display

FM-A2701D FM-A2701DS

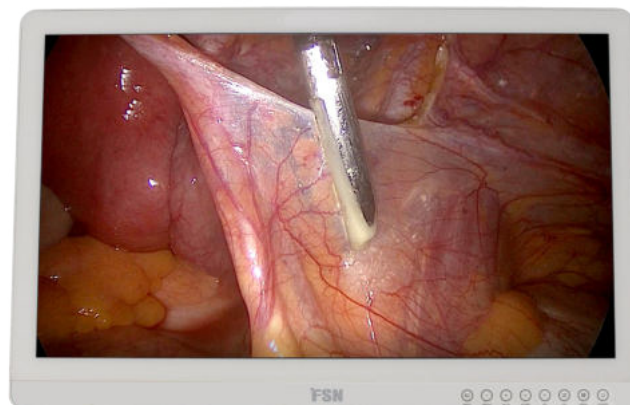


FM-A2701D and FM-A2701DS medical grade monitors are ideal for applications where high brightness, high color saturation, and super wide viewing angles are important. 4K UHD resolution delivers 4 times more pixels than a full HD display. This means that during surgery fine details become sharper and easier to identify.



Screen Layout Control

FSN's OSD menu options have been designed to offer popular layout selections when two video signals are connected. Images can be viewed as picture-in-picture or picture-by-picture. They can be swapped, re-sized, or moved to a different position on the screen. Combined with its wide viewing angle, this monitor has the visualization features required in today's operating rooms.

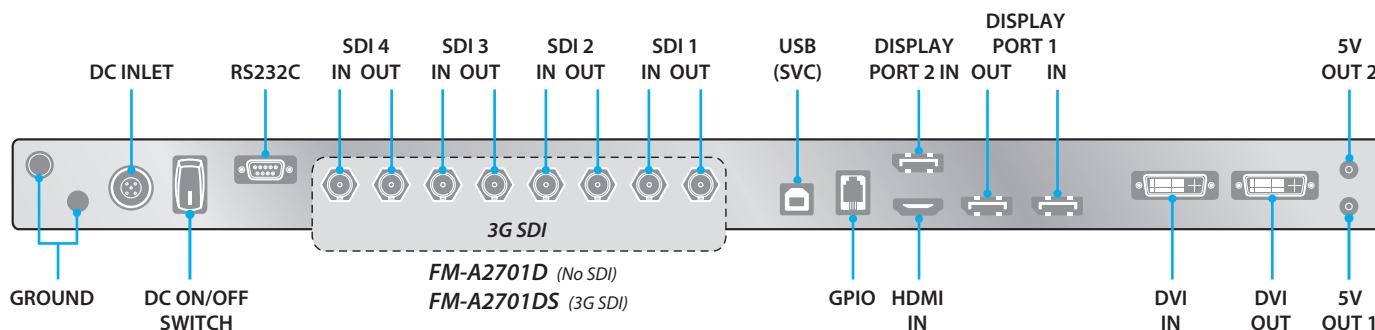


Connectivity

FM-A2701D has video connections for HDMI, DisplayPort, and DVI. FM-A2701DS adds support for 3G SDI, which offers quad link formats as 2-sample interleave or square division, giving it an impressive selection of signal input capabilities. Like all FSN monitors, these models are designed for fast detection of incoming video, thanks to robust mode tables.

OR-Friendly Design

The fanless housing design and edge-to-edge front glass allows this display to offer an ingress protection rating of 31. This means that potential dust and liquid entry points have been avoided. The touch menu controls are conveniently located in the lower right corner. Rounded bezel corners guard against accidental contact injuries when boom arm mounted in the operating room at head level.



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27" 4K Medical Display

FM-A2701D FM-A2701DS

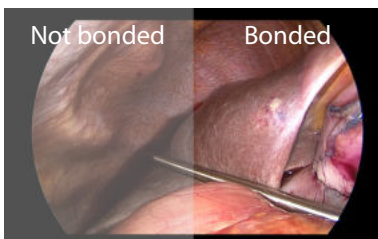
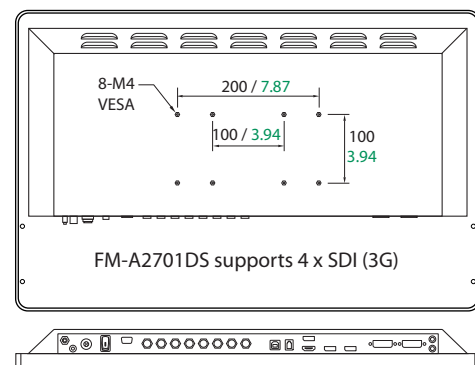
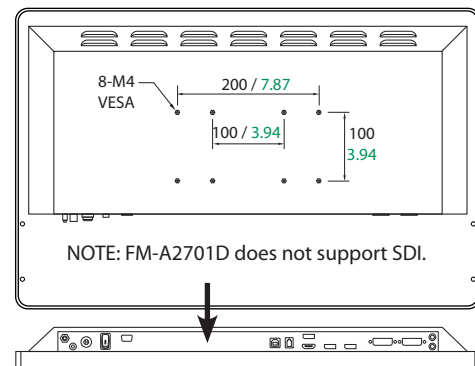
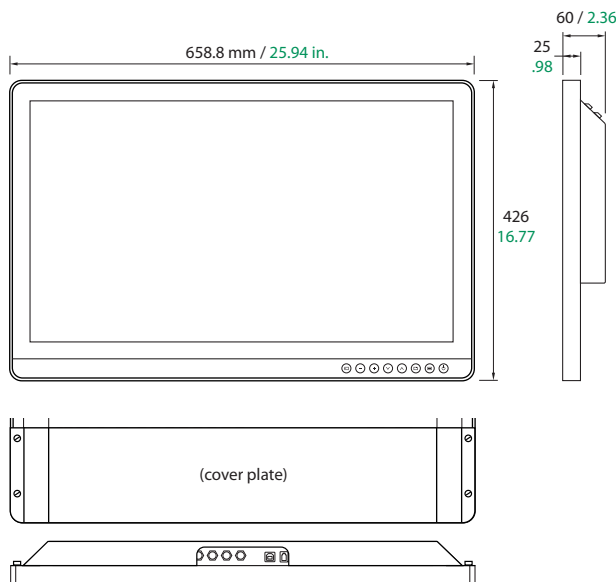


Specifications

General Features

Item	Description
Panel	27 inch TFT LCD (LED)
Resolution	3840 x 2160 pixel
Aspect Ratio	16 : 9
Active Area	596.74 (H)mm x 335.66 (V)mm
Pixel Pitch (mm)	0.1554 x 0.1554
Response Time (typical)	14 ms (gray to gray)
Number of Colors	1.07 Billion
Brightness (typical)	800 cd/m ²
Contrast Ratio (typical)	1000 : 1
Surface Treatment	Anti-glare
Viewing Angle (CR>10)	R/L 178°, U/D 178°
Input Signal	1 x HDMI 2.0 2 x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G) available only on FM-A2701DS
Output Signal	1 x DVI (single link) 1 x DP 1.2 (SST) 4 x SDI (3G) available only on FM-A2701DS

Item	Description
Power Supply	AC/DC Adaptor (AC 100~240V, DC 24V/6.6A)
Power Consumption	FM-A2701D 90W max FM-A2701DS 110W max
Accessories Included	User manual, AC-DC adaptor, AC power cord, DP cable, HDMI cable, DVI-D cable, BNC cable (SDI models), Screw BH M4 x 14
Unit Dimension	658.8(W) x 426(H) x 60(D) mm 25.94(W) x 16.77(H) x 2.36(D) inch
Package Dimension	755.65(W) x 654.05(H) x 234.95(D) mm 29.75(W) x 25.75(H) x 9.25(D) inch
IP Rating	IP31 - overall
Weight	FM-A2701D 8.18 kg, 18.03 lbs. (monitor with cover) 13.19 kg, 29.08 lbs. (shipping package) FM-A2701DS 8.8 kg, 19.4 lbs. (monitor with cover) 13.81 kg, 30.45 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



FSN's optical bonding process (right) improves contrast ratio and brightness, and increases humidity resistance and breakage resistance.

FSN Medical Technologies products meet RoHS2 and Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) obligations. FSN manages the information flow as required by regulations.

27" 4K Medical Display

FM-B2702D FM-B2702DG



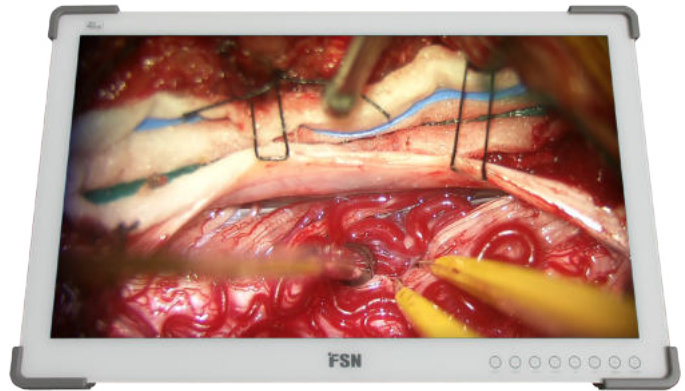
4K UHD

More Pixels, Sharper Images

FSN's 27 inch 4K UHD medical grade display monitor shows 4 times more pixels compared to a conventional HD monitor. This allows fine details to be seen during minimally invasive procedures such as endoscopy or laparoscopy. This monitor will accept multiple video signals, and has layout options for PIP and PBP. When two images are displayed, they can be swapped, re-sized, or moved to a different section of the screen

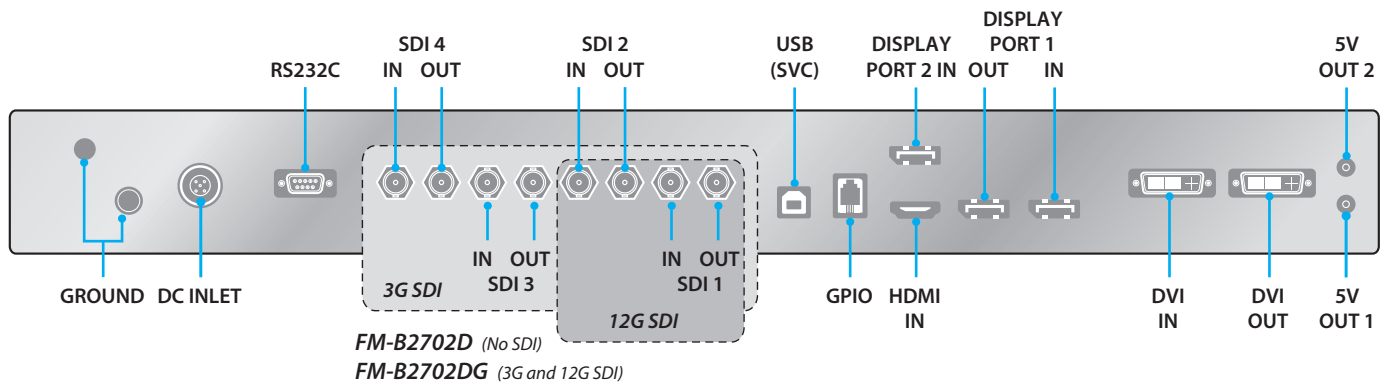
Choice of Video Inputs

This monitor comes in two configurations. FM-B2702D has video connections for HDMI, DisplayPort, and DVI. FM-B2702DG adds support 3G and 12G SDI, giving it the ultimate in current and future video signal compatibility. 3G SDI offers quad link formats as 2-sample interleave or square division. FSN monitors are designed for fast detection of incoming signals thanks to robust mode tables.



Attention to Ergonomic Detail

Unique design features include flush-front glass (ingress protection 33 rating) and touch menu control for easy cleaning and disinfection. There are no recessed areas on the front screen, thus eliminating collection points for unwanted material. These monitors come with built in protective bumpers on the bezel corners to guard against accidental contact injuries when boom arm mounted in the operating room at head level.



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27" 4K Medical Display

FM-B2702D FM-B2702DG

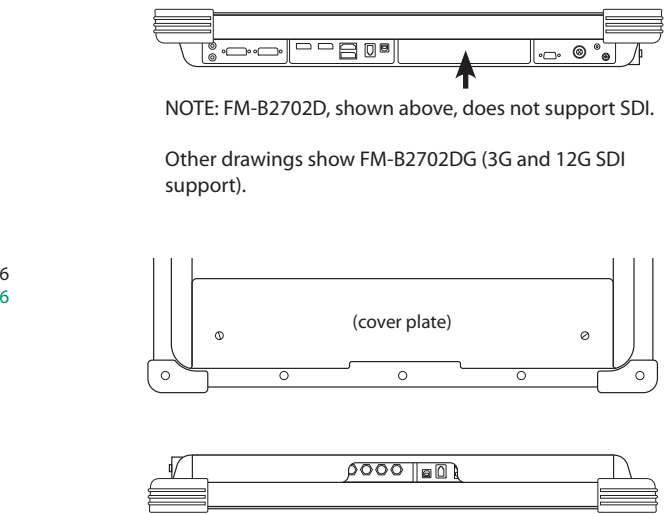
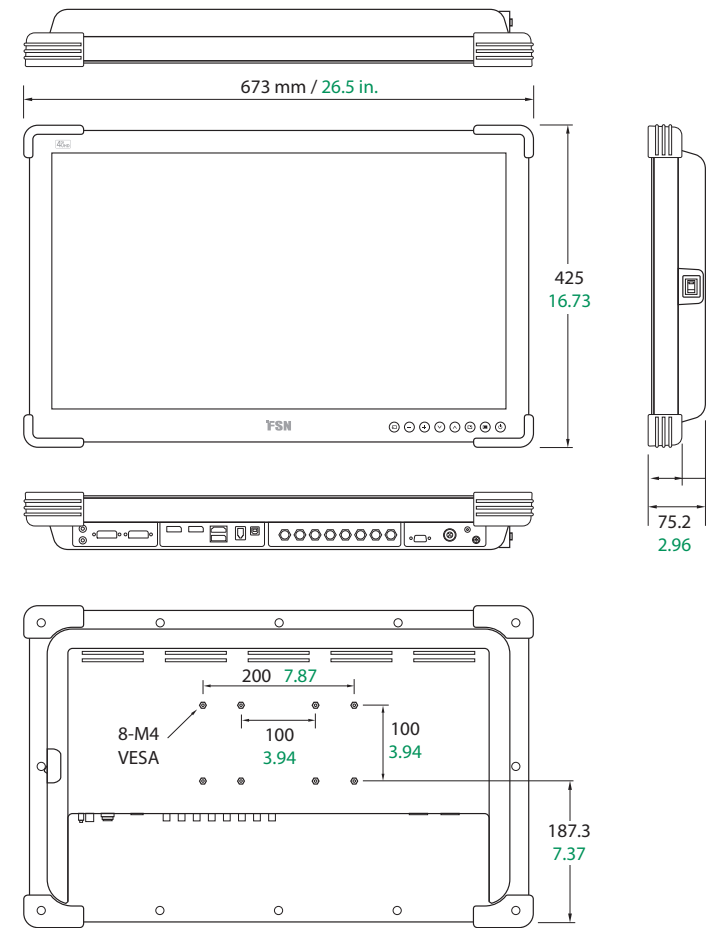


Specifications

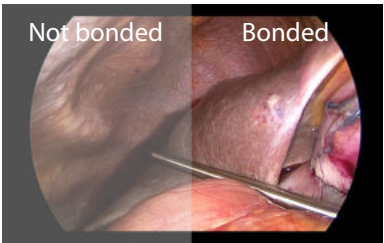
General Features

Item	Description
Panel	27 inch TFT LCD (LED)
Resolution	3840 x 2160 pixel
Aspect Ratio	16 : 9
Active Area	596.74 (H)mm x 335.66 (V)mm
Pixel Pitch (mm)	0.1554 x 0.1554
Response Time (typical)	11 ms (rise time)
Number of Colors	1.07 Billion
Brightness (typical)	800 cd/m ²
Contrast Ratio (typical)	1400 : 1
Surface Treatment	Anti-glare
Viewing Angle (CR>10)	R/L 178°, U/D 178°
Input Signal	1 x HDMI 2.0 2 x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G), 2 x SDI (12G) available on FM-B2702DG

Item	Description
Output Signal	1 x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G), 2 x SDI (12G) available on FM-B2702DG
Power Supply	AC/DC Adaptor (AC 100~240V, DC 24V/6.6A)
Power Consumption	FM-B2702D 85W FM-B2702DG 100W
Accessories Included	User manual, AC-DC adaptor, AC power cord, DP cable, HDMI cable, DVI-D cable, BNC cable (SDI models), Screw BH M4 x 14
Unit Dimension	673(W) x 425(H) x 75.2(D) mm 26.50(W) x 16.73(H) x 2.96(D) inch
Package Dimension	755.65(W) x 654.05(H) x 234.95(D) mm 29.75(W) x 25.75(H) x 9.25(D) inch
IP Rating	IP33 - overall
Weight	FM-B2702D 8.73 kg, 19.25 lbs. (monitor with cover) 13.45 kg, 29.65 lbs. (shipping package) FM-B2702DG 9.2 kg, 20.28 lbs. (monitor with cover) 14.1 kg, 31.09 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



NOTE: FM-B2702D, shown above, does not support SDI.
Other drawings show FM-B2702DG (3G and 12G SDI support).



FSN's optical bonding process (right) improves contrast ratio and brightness, and increases humidity resistance and breakage resistance.

FSN Medical Technologies products meet RoHS2 and Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) obligations. FSN manages the information flow as required by regulations.

31.5" 4K Medical Display

FS-P3102D FS-P3102DS FS-P3102DG



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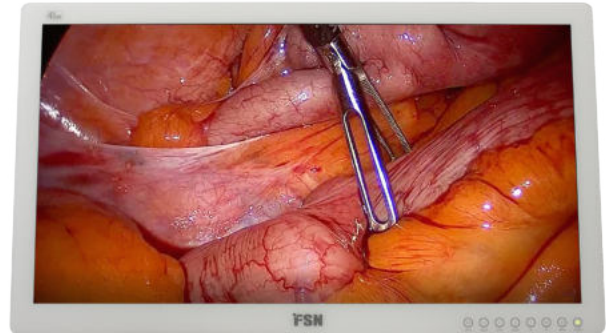
- 4K DCI (4096 wide pixel resolution).
- Optical bonding for the best image (FS-P3102DS, FS-P3102DG).
- Backward compatibility with HD and SD.

The FS-P3102D series of surgical displays from FSN offers everything needed to present the best possible images to medical professionals.



4K Video Ready

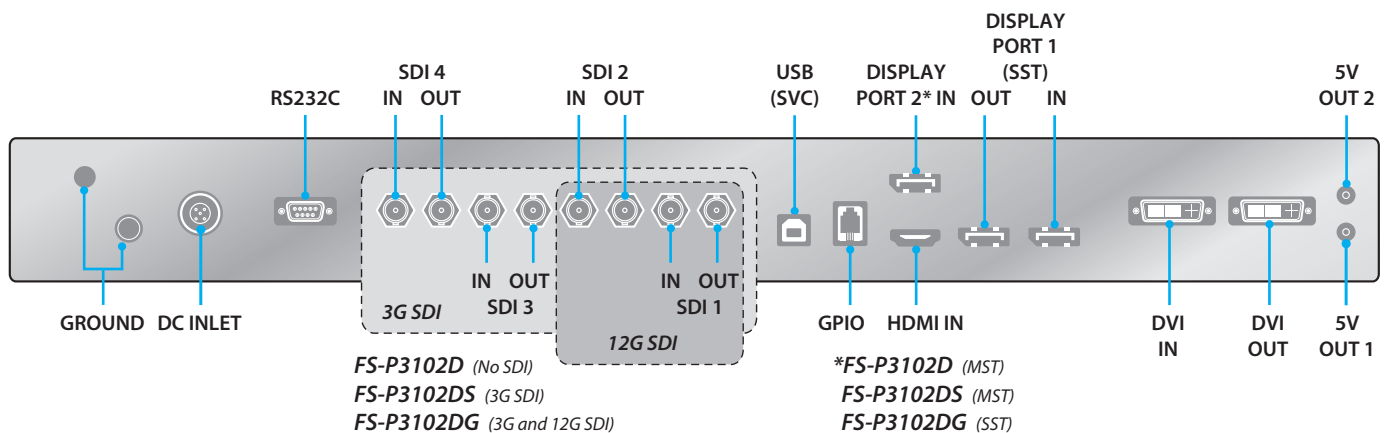
Depending on the preferred model, compatible signal/connector types include HDMI, DisplayPort, DVI, or SDI. Multiple images can be shown together on the same screen, using PIP or PBP. Using optional 3G SDI connections, there are quad screen layout settings which support 2-sample interleave or square division. Multi-screen viewing provides simultaneous reference to different image modalities that may be required during a procedure.



Designed for Human Interaction

The FS-P3102D series is designed with edge-to-edge protective front glass. This gives the monitor its slim, sleek appearance, and allows for easy cleaning of the monitor's front surface. There are no recessed areas on the front for unwanted materials to collect, thus improving sanitization practices. Rounded bezel corners help guard against bumping injuries, especially in today's active operating room environments. A back cable cover is provided with each monitor to manage cords and wires.

FSN goes to great lengths to assure that monitor viewing angles remain as high as possible. This means that several clinicians can view the display in the same room without distortion or loss of image quality.



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31.5" 4K Medical Display

FS-P3102D FS-P3102DS FS-P3102DG

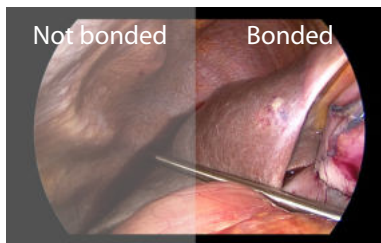
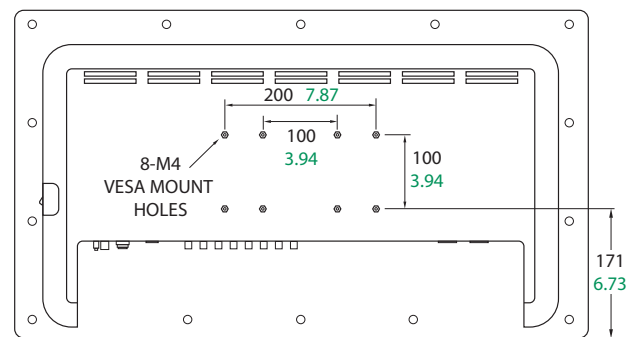
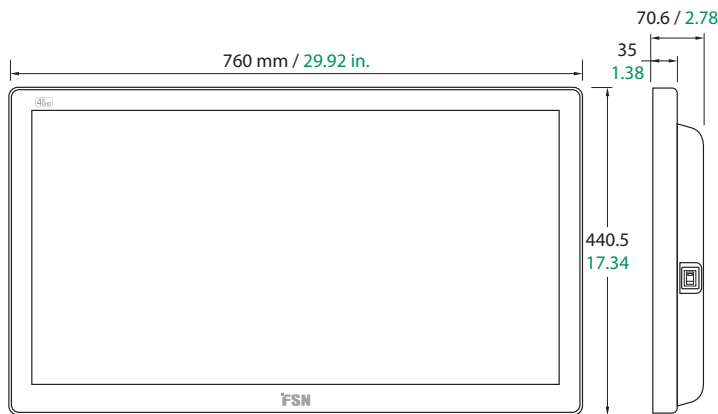


Specifications

General Features

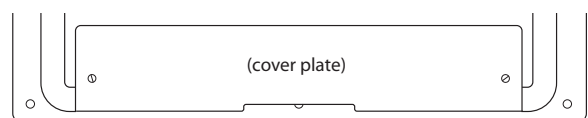
Item	Description
Panel	31 inch TFT LCD (LED)
Resolution	4096 x 2160 pixel
Aspect Ratio	17 : 9
Active Area	697.958 (H)mm x 368.064 (V)mm
Pixel Pitch (mm)	0.1704 x 0.1704
Response Time (typical)	11 ms (rise time)
Number of Colors	1.07 Billion
Brightness (typical)	350 cd/m ²
Contrast Ratio (typical)	1500 : 1
Surface Treatment	Anti-glare
Viewing Angle (CR>10)	R/L 178°, U/D 178°
Input Signal	FS-P3102D 1 x HDMI 2.0 1 x DP 1.2 (SST), 1 x DP 1.2 (MST) 1 x DVI (single link)
	FS-P3102DS 1 x HDMI 2.0 1 x DP 1.2 (SST), 1 x DP 1.2 (MST) 1 x DVI (single link) 4 x SDI (3G)
	FS-P3102DG 1 x HDMI 2.0 2 x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G), 2 x SDI (12G)

Item	Description
Output Signal	FS-P3102D 1 x DP 1.2 (SST) 1 x DVI (single link)
	FS-P3102DS 1 x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G)
	FS-P3102DG 1 x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G), 2 x SDI (12G)
Power Supply	AC/DC Adaptor (AC 100~240V, DC 24V/6.6A)
Power Consumption	FS-P3102D 90W max FS-P3102DS 110W max FS-P3102DG 110W max
Accessories Included	User manual, AC-DC adaptor, AC power cord, DP cable, HDMI cable, DVI-D cable, BNC cable (SDI models), Screw BH M4 x 14
Unit Dimension	761.5(W) x 442(H) x 70.6(D) mm 29.98(W) x 17.4(H) x 2.78(D) inch
Package Dimension	914.4(W) x 749.3(H) x 234.95(D) mm 36(W) x 29.5(H) x 9.25(D) inch
IP Rating	IP33 - overall
Weight	FS-P3102D 10.45 kg, 23.04 lbs. (monitor with cover) 16.29 kg, 35.91 lbs. (shipping package)
	FS-P3102DS 11.07 kg, 24.41 lbs. (monitor with cover)
	FS-P3102DG 17.17 kg, 37.85 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



FSN's optical bonding process (right) improves contrast ratio and brightness, and increases humidity resistance and breakage resistance.

Optical bonding applies to FS-P3102DS and FS-P3102DG.



FSN Medical Technologies products meet RoHS2 and Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) obligations. FSN manages the information flow as required by regulations.

32" 4K Medical Display

FM-E3203D FM-E3203DG



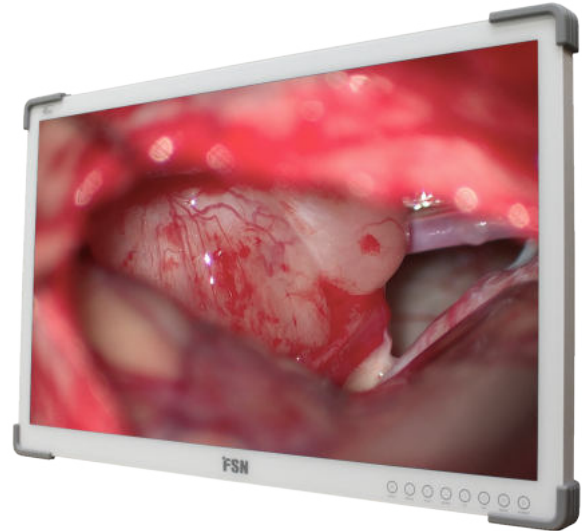
FSN
Medical Technologies

- *Vivid colors plus high brightness level.*
- *Optical bonding for improved picture contrast.*
- *Fast detection of MIS camera system video.*

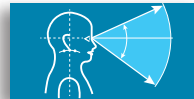


See Every Detail

The 4K UHD technology found in this monitor produces ultra-sharp picture clarity and high levels of detail. This greatly enhances images from endoscopic camera systems. The input source options on this monitor include DVI, HDMI, and DisplayPort. The FM-E3203DG model adds 3G and 12G SDI to the impressive selection of signal input choices.

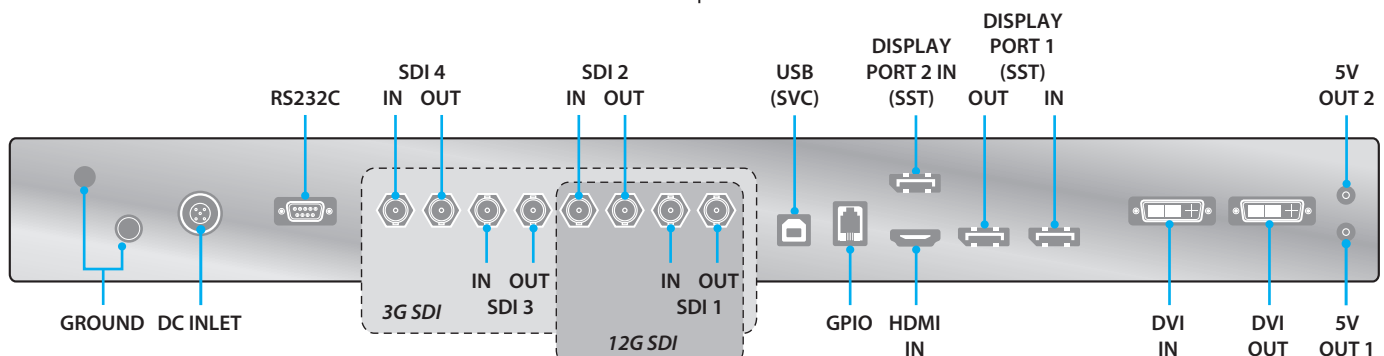


Edge-to-edge protective front glass gives this monitor a slim, sleek appearance, and allows for easy cleaning of the front surface. Protective guards on the bezel corners help reduce bumping injuries, especially in today's active operating room environments. A back cable cover is provided with each monitor to manage cords and wires.



Ergonomic Design

If an installation requires additional components to be used with the monitor, such as fiber optic or wireless receivers, there are built-in connections for DC 5 volt power. FSN monitors are designed with maximum viewing angles, allowing several clinicians to view the display in the same room without loss of image quality or distortion.



FM-E3202D (No SDI)

FM-E3202DG (3G and 12G SDI)

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32" 4K Medical Display

FM-E3203D FM-E3203DG

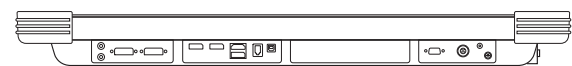
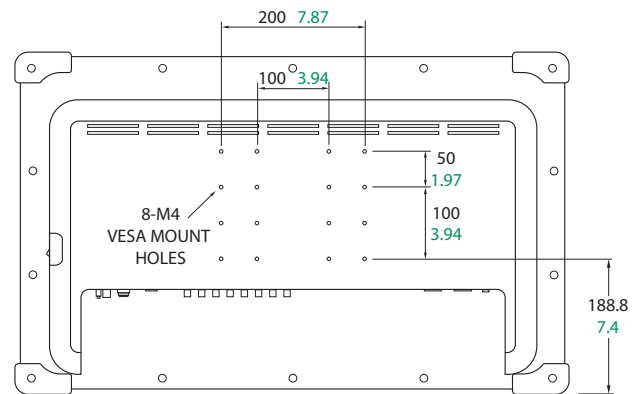
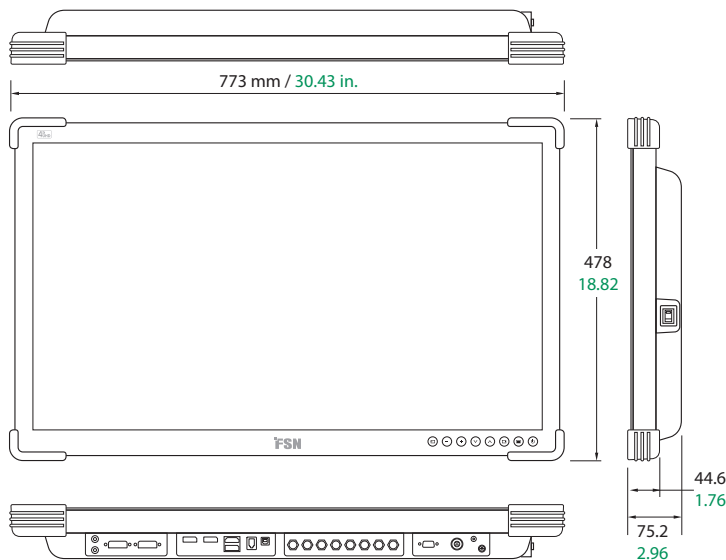


Specifications

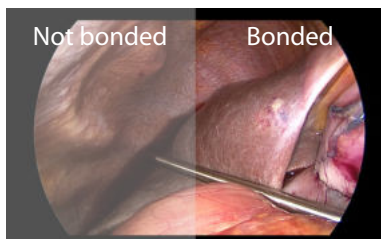
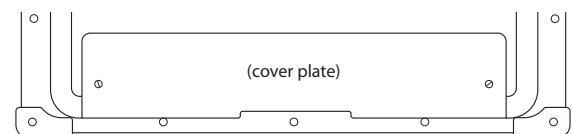
General Features

Item	Description
Panel	32 inch TFT LCD (LED)
Resolution	3840 x 2160 pixels
Aspect Ratio	16 : 9
Active Area	708.48 (H)mm x 398.82 (V)mm
Pixel Pitch (mm)	0.1845 x 0.1845
Response Time (typical)	8 ms (rise time)
Number of Colors	1.07 Billion
Brightness (typical)	700 cd/m ²
Contrast Ratio (typical)	1350 : 1
Surface Treatment	Anti-glare
Viewing Angle (CR>10)	R/L 178°, U/D 178°
Input Signal	1 x HDMI 2.0 2 x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G), 2 x SDI (12G) available on FM-E3203DG
Output Signal	1 x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G), 2 x SDI (12G) available on FM-E3203DG

Item	Description
Power Supply	AC/DC Adaptor (AC 100~240V, DC 24V/6.6A)
Power Consumption	FM-E3203D 105W max FM-E3203DG 125W max
Accessories Included	User manual, AC-DC adaptor, AC power cord, DP cable, HDMI cable, DVI-D cable, BNC cable (SDI models), Screw BH M4 x 14
Latency	9 ms
Unit Dimension	773(W) x 478(H) x 75.2(D) mm 30.43(W) x 18.82(H) x 2.96(D) inch
Package Dimension	914.4(W) x 749.3(H) x 234.95(D) mm 36(W) x 29.5(H) x 9.25(D) inch
IP Rating	IP33 - overall
Weight	FM-E3203D 11.56 kg, 25.49 lbs. (monitor with cover) 16.83 kg, 37.10 lbs. (shipping package) FM-E3203DG 11.80 kg, 26.01 lbs. (monitor with cover) 17.5 kg, 38.58 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



(FM-E3203D without SDI connections)



FSN's optical bonding process (right) improves contrast ratio and brightness, and increases humidity resistance and breakage resistance.

FSN Medical Technologies products meet RoHS2 and Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) obligations. FSN manages the information flow as required by regulations.

55" 4K Medical Display

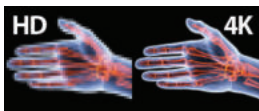
FM-C5501DV FM-C5501DG

FSN
Medical Technologies



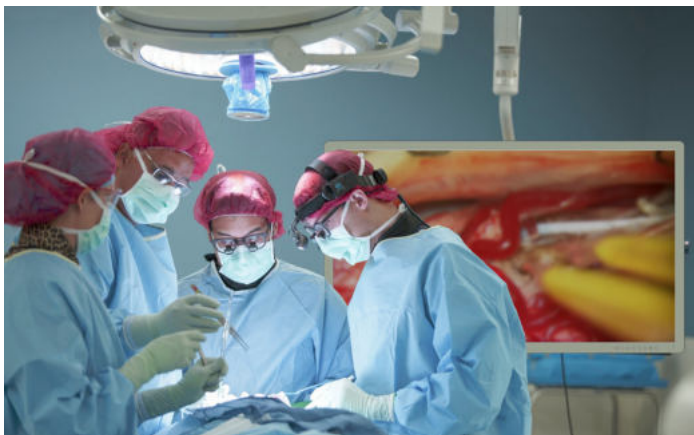
- **Ultra-High Resolution**
- **DisplayPort, HDMI, Options for DVI Dual Link, SDI**
- **High Color Saturation**

FM-C5501DV and FM-C5501DG accurately present recessed surgical site anatomy on a big 55" screen, displaying life-like detail for an immersive experience. Multi-signal inputs allow for windowing options using picture-in-picture and picture-by-picture layouts. These models offer outstanding color and razor-sharp image clarity, allowing doctors to focus on critically important procedure decisions.

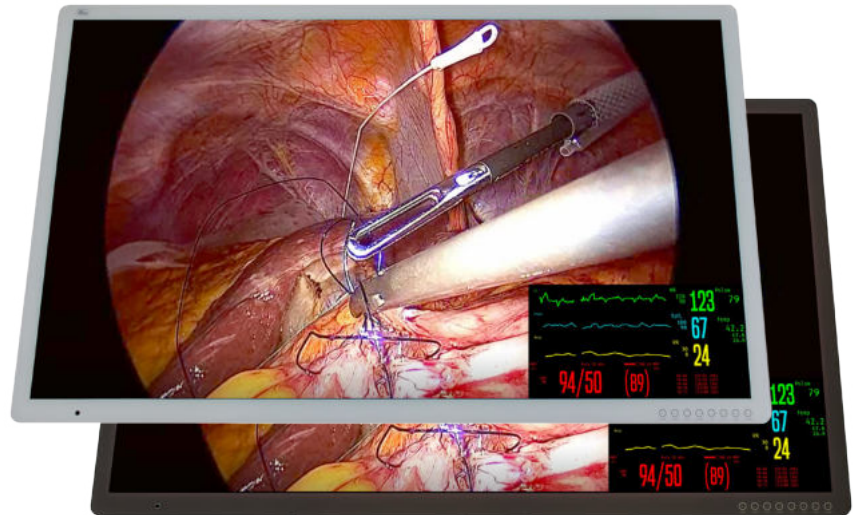


4K UHD Technology

4K UHD will display four times the resolution of a conventional HD unit. Rich colors and sharp details combine to noticeably improve image clarity and subtle hue variations.



FM-C5501DG



FM-C5501DV



Reliability

Designed and developed to satisfy the medical industry's needs, including 24/7 operation. FSN quality ensures long operational life and low total cost of ownership.

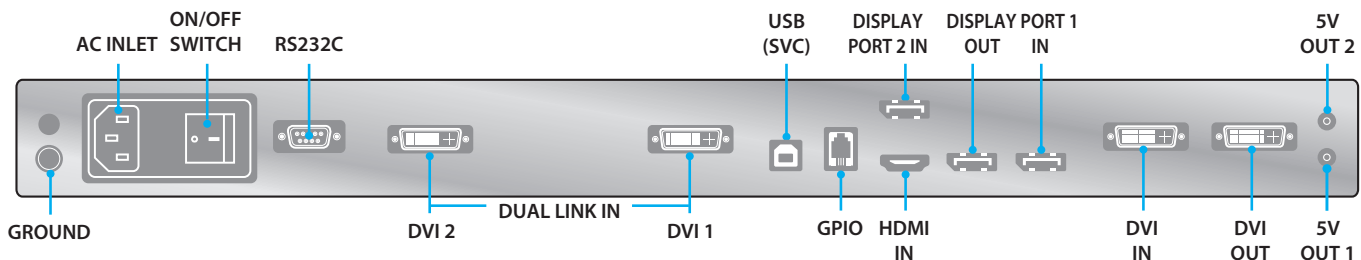


Concern for the Environment

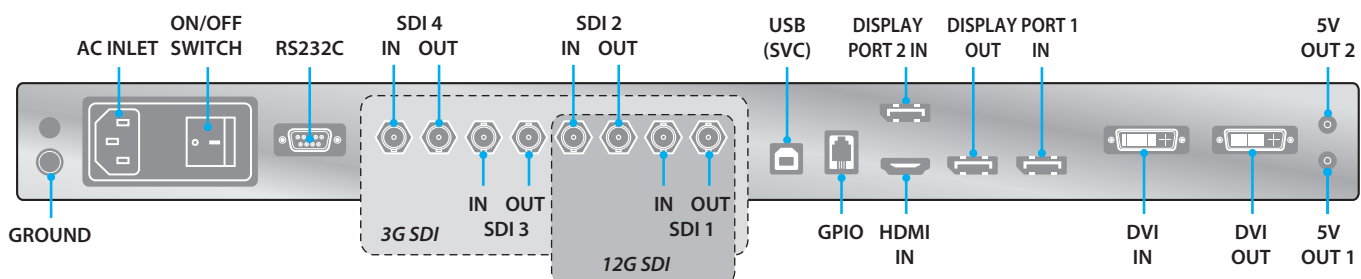
Energy efficient edge-LED design. Eco-friendly material composition certified by RoHS.

FSN's attention to engineering details, such as rounded bezel corners, wide viewing angles, and a backlit touch menu, allow for safe and efficient interaction.

FM-C5501DV (Dual Link DVI)



FM-C5501DG (3G SDI and 12G SDI)



55" 4K Medical Display

FM-C5501DV FM-C5501DG

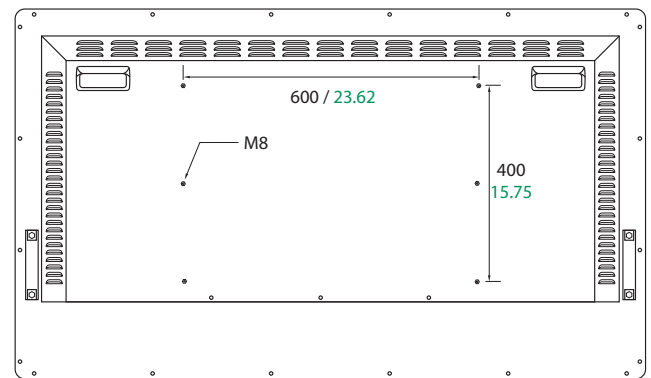
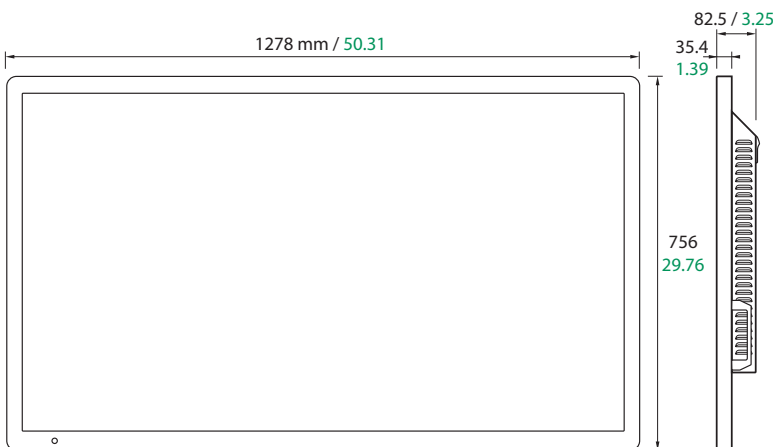


Specifications

General Features

Item	Description
Panel	55 inch TFT LCD (LED)
Resolution	3840 x 2160 pixel
Aspect Ratio	16 : 9
Active Area	1209.6 (H)mm x 680.4 (V)mm
Pixel Pitch (mm)	0.315 x 0.315
Response Time (typ.)	6 ms (gray to gray)
Number of Colors	1.08 Billion
Brightness (typical)	500 cd/m ²
Contrast Ratio (typical)	4000 : 1
Surface Treatment	Anti-glare
Viewing Angle (CR>10)	R/L 178°, U/D 178°
Input Signal	1 x HDMI 2.0 2 x DP 1.2 (SST) 1 x DVI (single link) 2 x DVI (dual link) available on FM-C5501DV 4 x SDI (3G), 2 x SDI (12G) available on FM-C5501DG

Item	Description
Output Signal	1 x DVI (single link) 1 x DP 1.2 (SST) 4 x SDI (3G), 2 x SDI (12G) available on FM-C5501DG
Power Supply	SMPS (AC 90 ~270V)
Power Consumption	210W max
Accessories Included	User manual, AC power cord, DP cable, HDMI cable, DVI-D cable, Remote control and batteries
Unit Dimension	1278(W) x 756(H) x 82.5(D) mm 50.31(W) x 29.76(H) x 3.25(D) inch
Package Dimension	1450(W) x 930(H) x 305(D) mm 57.09(W) x 36.61(H) x 12(D) inch
IP Rating	IP20 (overall), IP42 (front side only)
Weight	37.35 kg, 82.34 lbs. (monitor with cover) 50.35 kg, 111 lbs. (shipping package)
Certifications	ANSI/AAMI ES60601-1 (UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



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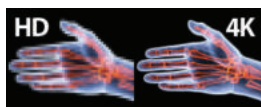
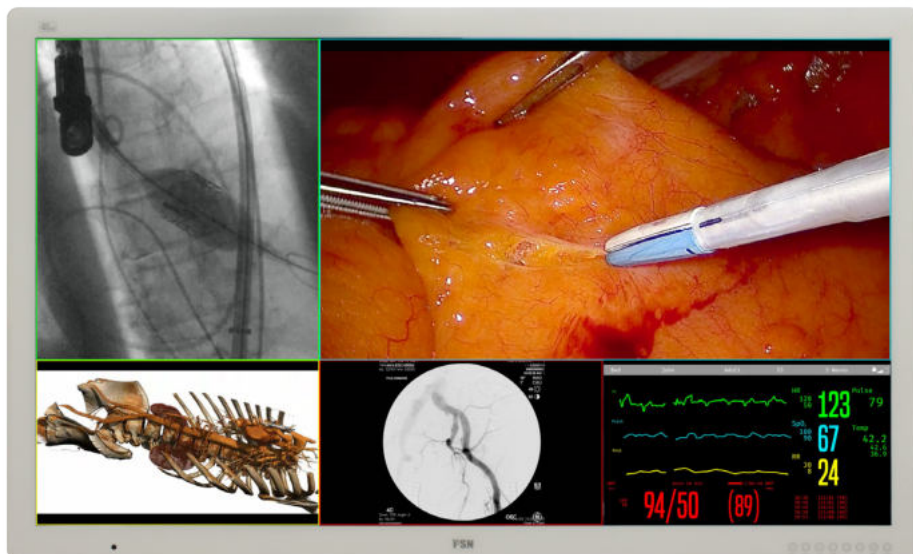
58" 4K Medical Display

FM-D5801DV



- **High Brightness**
- **High Contrast**
- **High Color Saturation**

FSN has expanded its range of medical grade monitors to include FM-D5801DV, a large-area display designed to handle a vast array of tasks in the OR from patient monitoring to endoscopic images to X-ray and ultrasound. The FM-D5801DV can show multiple screens at the same time on its large surface area. A flush-front protective glass overlay allows for easy cleaning.



4K UHD

This monitor will display four times the resolution of a conventional HD unit. Rich colors and sharp details combine to noticeably improve image quality.



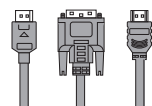
DICOM® Mode

FM-D5801DV can handle multi-modality imaging with its DICOM mode. This all-in-one versatility allows for diagnostic quality viewing in a surgical grade display monitor.



Ergonomic Design

FSN's attention to human engineering detail, such as rounded bezel corners, wide viewing angles, and a backlit touch menu, allows users to interact with the monitor efficiently and safely.



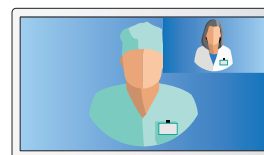
Input & Output Selection

The compatibility built into FM-D5801DV means that it can adapt to different applications. Connections are available for high-performance video signals, including HDMI, DVI, Dual Link DVI, and DisplayPort.

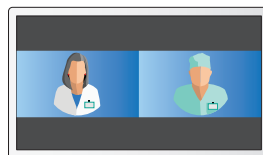
FM-D5801DV has several built-in image layout options.



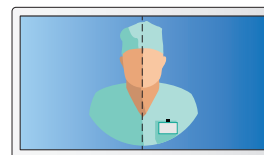
Single image.



PIP - small screen can be relocated.



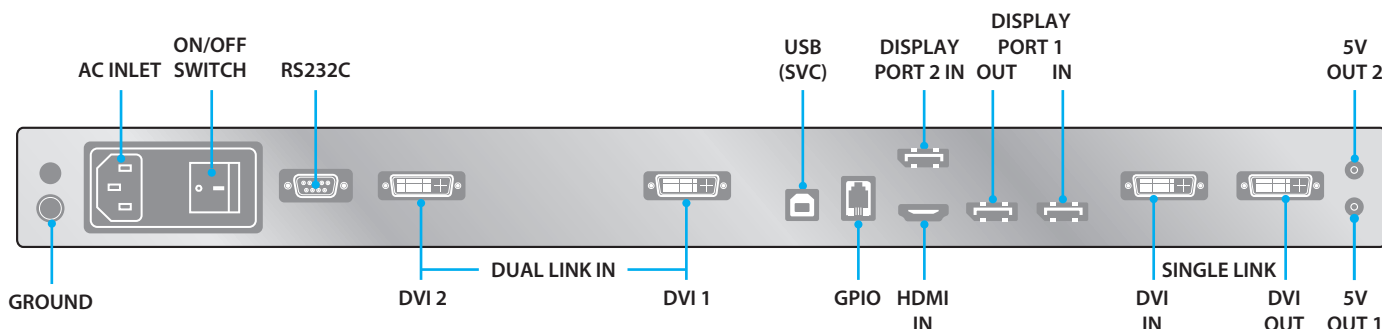
PBP - images can be swapped.



Dual-link DVI special feature.

Additional layout configurations are achieved through the use of compatible multiviewer systems.

Please contact FSN Medical Technologies for more information.



58" 4K Medical Display

FM-D5801DV

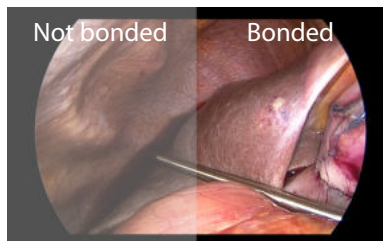
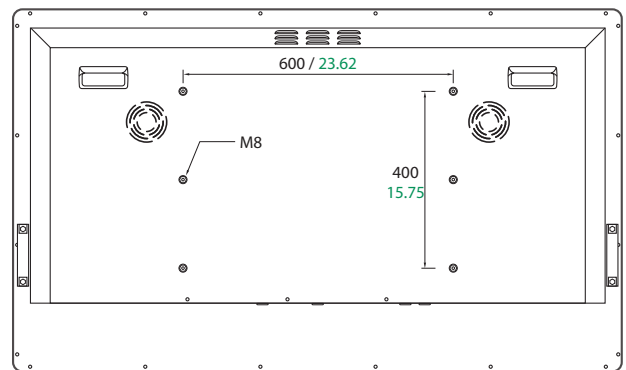
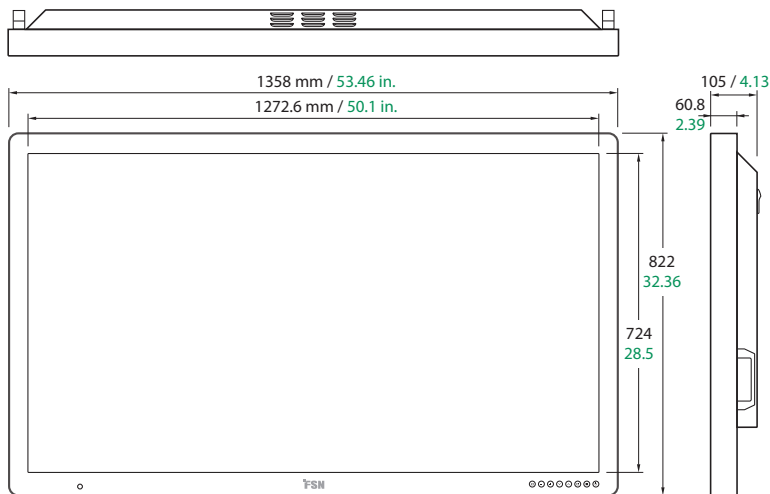


Specifications

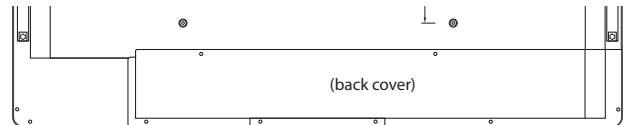
General Features

Item	Description
Panel	58 inch TFT LCD (LED)
Resolution	3840 x 2160 pixel
Aspect Ratio	16 : 9
Active Area	1270.08 (H)mm x 721.44 (V)mm
Pixel Pitch (mm)	0.33075 x 0.334
Response Time (typ.)	9.5 ms (gray to gray)
Number of Colors	1.07 Billion
Brightness (typical)	700 cd/m ²
Contrast Ratio (typical)	4000 : 1
Surface Treatment	Anti-glare
Viewing Angle (CR>20)	R/L 176°, U/D 176°
Input Signal	1 x HDMI 2.0 2 x DP 1.2 (SST) 1 x DVI (single link) 2 x DVI (dual link)

Item	Description
Output Signal	1 x DVI (single link) 1 x DP 1.2 (SST)
Power Supply	SMPS (AC 90 ~270V)
Power Consumption	280W (nominal); 350.4W (max)
Accessories Included	User manual, AC power cord, DP cable, HDMI cable, DVI-D cable, Remote control and batteries
Unit Dimension	1358(W) x 822(H) x 105(D) mm 53.46(W) x 32.36(H) x 4.13(D) inch
Package Dimension	1565(W) x 985(H) x 305(D) mm 61.61(W) x 38.78(H) x 12(D) inch
IP Rating	IP20 (overall), IP42 (front side only)
Weight	43.41 kg, 95.7 lbs. (monitor with cover) 60.1 kg, 132.5 lbs. (shipping package)
DICOM Mode	Yes
Certifications	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDD(93/42/EEC) Class I Medical Device



FSN's optical bonding process (right) improves contrast ratio and brightness, and increases humidity resistance and breakage resistance.



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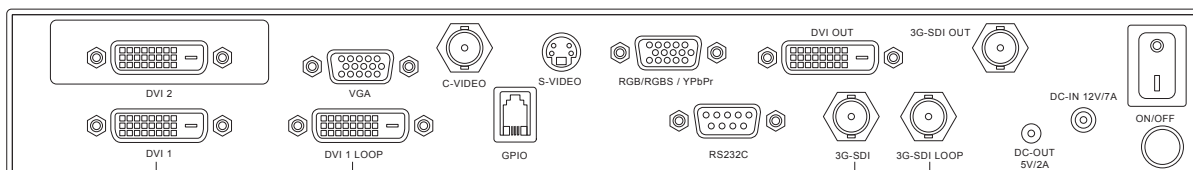
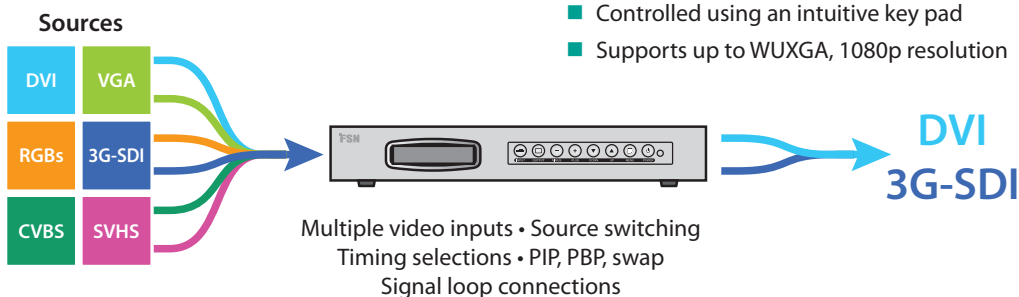
Universal Converter

Video Distribution and Control

IPS500A is an advanced video processor and converter. It is designed to handle source selection, advanced windowing features, picture-in-picture, and signal switching. IPS500A maintains video picture quality and standardizes the appearance of images across different display devices by calculating the inherent contrast resolution of different input signals. It also provides an RS-232C command interface for user access from a PC.



- Input: 1 x DVI-D, 1 x DVI-D (Fiber DVI detachable), 2 x D-SUB(VGA, Component, RGBs), 1 x BNC (3G-SDI), 1 x BNC (CVBS), 1 x DIN (SVHS)
- Output: 1 x DVI-D, 1 x BNC (3G-SDI)
- Controlled using an intuitive key pad
- Supports up to WUXGA, 1080p resolution



General Features

Item	Description
Input Signal	1 x DVI-D
	1 x DVI-D (Fiber DVI detachable)
	2 x D-SUB (VGA, Component, RGBs)
	1 x BNC (3G-SDI)
	1 x BNC (CVBS)
	1 x DIN (SVHS)
Output Signal	1 x DVI-D, 1 x BNC (3G-SDI)
Control Key	8 button (input, output, minus, plus, down, up, menu, power)
LCD Display Language	English
Power Supply In	AC/DC Adaptor (AC 100~240V, DC 12V 7A)
Power Out	DC 5V / 1A
External Control	RS-232C
Unit Dimension	305(W) x 51.3(H) x 250(D) mm 12(W) x 2.02(H) x 9.84(D) inch
GPIO port	3 Function: - Primary / Secondary Screen Swap
	- PIP / PBP1 / PBP2 Select,
	- Record indicator

I/O Characteristics

Signal	Type	SignalName	Supported Resolution	Application
Signal Input	VIDEO (BNC, DIN)	CVBS x 1	NTSC / PAL/SECAM	
		SVHS(Y/C) x 1		
		VGA	Up to 1920 x 1200 / 60Hz	
	VGA, RGB (DSUB15)	Analog RGBHV	-	
		Analog RGBs	-	
		Component (Y,Pb,Pr)	Up to 1920 x 1080 / 60Hz	
	DIGITAL 1,2 (DVI-D)	Digital DVI-D x 1	Up to 1920 x 1200 / 60Hz	
		Digital DVI-D(Fiber DVI detachable) x 1	-	
	3G-SDI (BNC)	3G SDI x 1	1080p	SMPTE-424M
			720p / 1080i	SMPTE-292M
			480i / 576i	SMPTE-259M
Signal Output	DIGITAL(DVI-D)	Digital DVI-D x 2	Up to 1920 x 1200 / 60Hz	
		3G SDI x 1	1080p	SMPTE-424M
	3G-SDI (BNC)	SDI BYPASS	720p / 1080i	SMPTE-292M
			480i / 576i	SMPTE-259M

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Medical Video Recorder

IPS710A



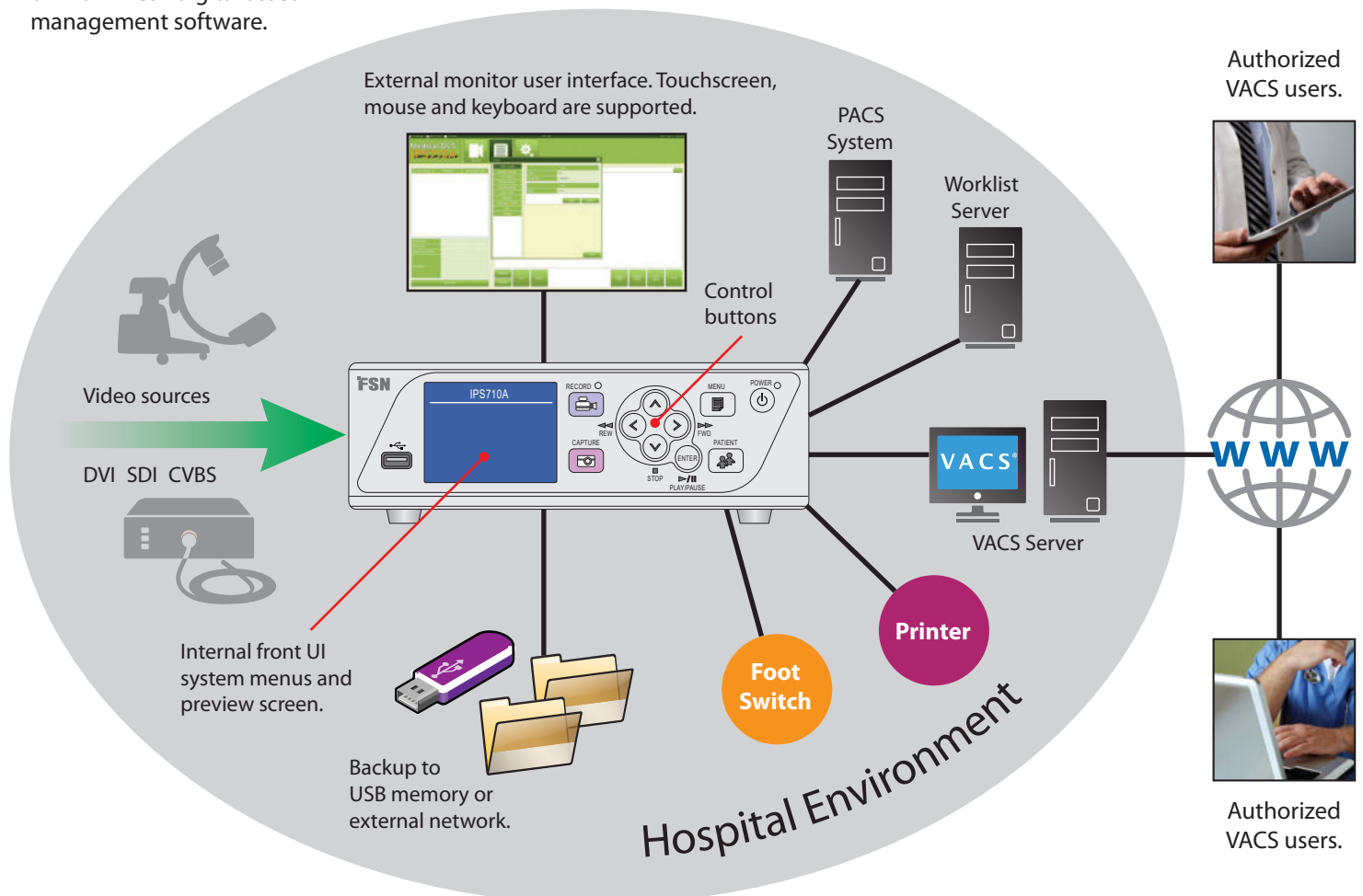
- Record full HD video
- Motion image capture recording
- 1 terabyte internal hard disk drive
- Supports DICOM SCU storage
- Supports DICOM modality work lists
- Simultaneously record to internal HDD and external USB
- Compatible with VACS® collaboration software
- Supports Sony® medical color printer
- Supports medical grade touch screens (FSN, Elo)
- Multi-language user interface

IPS710A from FSN Medical Technologies is an all-in-one medical video recording system. It captures still images or records extended sessions from live video signals. IPS710A can simultaneously record to internal and external memory, providing a fast, real-time external video back-up solution. Lightweight and portable, IPS710A features video recording up to 1080P at 60Hz. System controls can be managed using the screen and buttons on front of the unit, an external monitor with mouse and keyboard, or with VACS® digital asset management software.



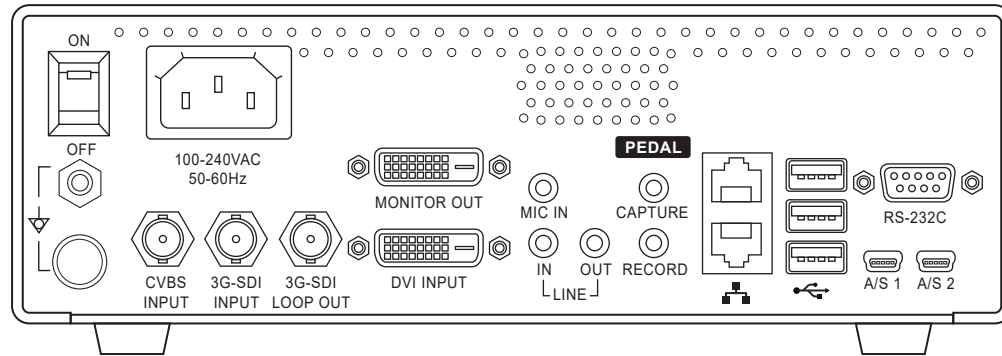
VACS® More Control Compared to Standalone Recorders.

When integrated with IPS710A, VACS® and VACS® Lite software can retrieve electronic health records, capture video or still images during a procedure, send DICOM compliant images to a PACS system, and share all content with other colleagues. These digital asset management capabilities make it easy to find and use medical imaging content, even very large video files. This is achieved through a convenient password protected web browser interface.



Medical Video Recorder

IPS710A



General Features

Item	Description	
Main Functions	Still image capture	Up to 1920 x 1080p
	Video recording	Up to 1920 x 1080p/60
	Standalone preview	Front 3.5 inch TFT LCD screen
	Menu access	Front LCD screen or graphic user interface running on a standalone touchscreen or monitor/mouse/keyboard.
	Worklist query	Direct access to HIS
	DICOM store	Direct access to PACS
Audio & Video Inputs	DVI	DVI-D(up to 1920x1200p/60)
	3G SDI	BNC x 1ea, 75Ω(up to 3G)
	Composite Video	BNC x 1ea, 75Ω (NTSC, PAL)
	Audio	3.5mm Stereo x 2ea, Mic in, Line in
Audio & Video Outputs	Monitor output	DVI-D
	Loop out	3G SDI
	Audio	3.5mm Stereo x 1ea, Line out
	<i>Note: only one video input can be recorded at a time).</i>	
Data I/O	USB2.0	Front : 1, Rear : 3
	RS-232C	DB9 (female) connector x 1ea
	Ethernet	RJ45 x 2ea (10/100/1000M)
	Keyboard / Mouse	USB type
Recording and Capture	Foot pedal	3.5mm stereo jack x 2ea, Record, Capture
	Recording resolution	480P60, 720P60, 1080P60
	Video format	AVI, MOV
	Video quality	High, Middle, Low
	Video codec	H.264
	Capture image resolution	480P, 720P, 1080P
	Capture image format	BMP, JPEG, DICOM
	Audio format	AAC

Item	Description	
Storage	Internal HDD	1TB standard
	External USB storage	External SSD HDD and USB memory stick
	USB data format	FAT32 format
	Network drive	CIFS
	Network transfer	FTP file transfer
General	Multi-language UI	Spanish, Italian, French, German, Polish, Portuguese, Chinese, Korean, Japanese, English
	Power requirements	AC 100-240V / 50-60Hz, 0.6A (max)
	Power consumption	32.5W max.
	Dimensions	250mm wide x 80mm high x 300mm deep
	Weight	2.9 Kg / 6.40 lbs.
	Temperature	Operating: 0° to +40° C (+32° to +104° F) Storage: -20° to + 60° C (-4° to +140° F)
Component Support	Humidity	Operating: 20 - 85% RH Storage: 5 - 85% RH
	Touch Panel (medical)	FSN, Elo
	Printer	Sony UP-DR80MD
	Modality Work List	
Compliance & Certifications	DICOM SCU storage	
	UL 60601.1, EN 60601, CE, MDD 93/42/EEC, ISO 9001, ISO 13485 Class 1 Medical Device, RoHS HIPPA Compliance SSL Certificate	

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Medical 4K Video Recorder

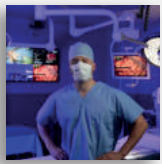
IPS740DS IPS740DG



Record video and capture still images in crystal-clear 4K resolution. IPS740 series recorders come with a rich set of features that will upgrade any medical video application. These recorders also integrate with VACS® software for video archiving and collaboration.

IPS740DS and IPS740DG will simultaneously record files to the internal hard drive and external USB drive. 4 TB of internal storage allows for extended recording times. These models will also record and playback video content in 3D formats.

Use the integrated 5 inch touchscreen on IPS740 series recorders, or switch to an external monitor to control all recording, playback, saving functions, or to preview the active video signal.



Focus on Compatibility

IPS740DS and IPS740DG connect with medical image generating devices, and with patient information systems, to accurately record and store video or captured still images.

Input signal options:

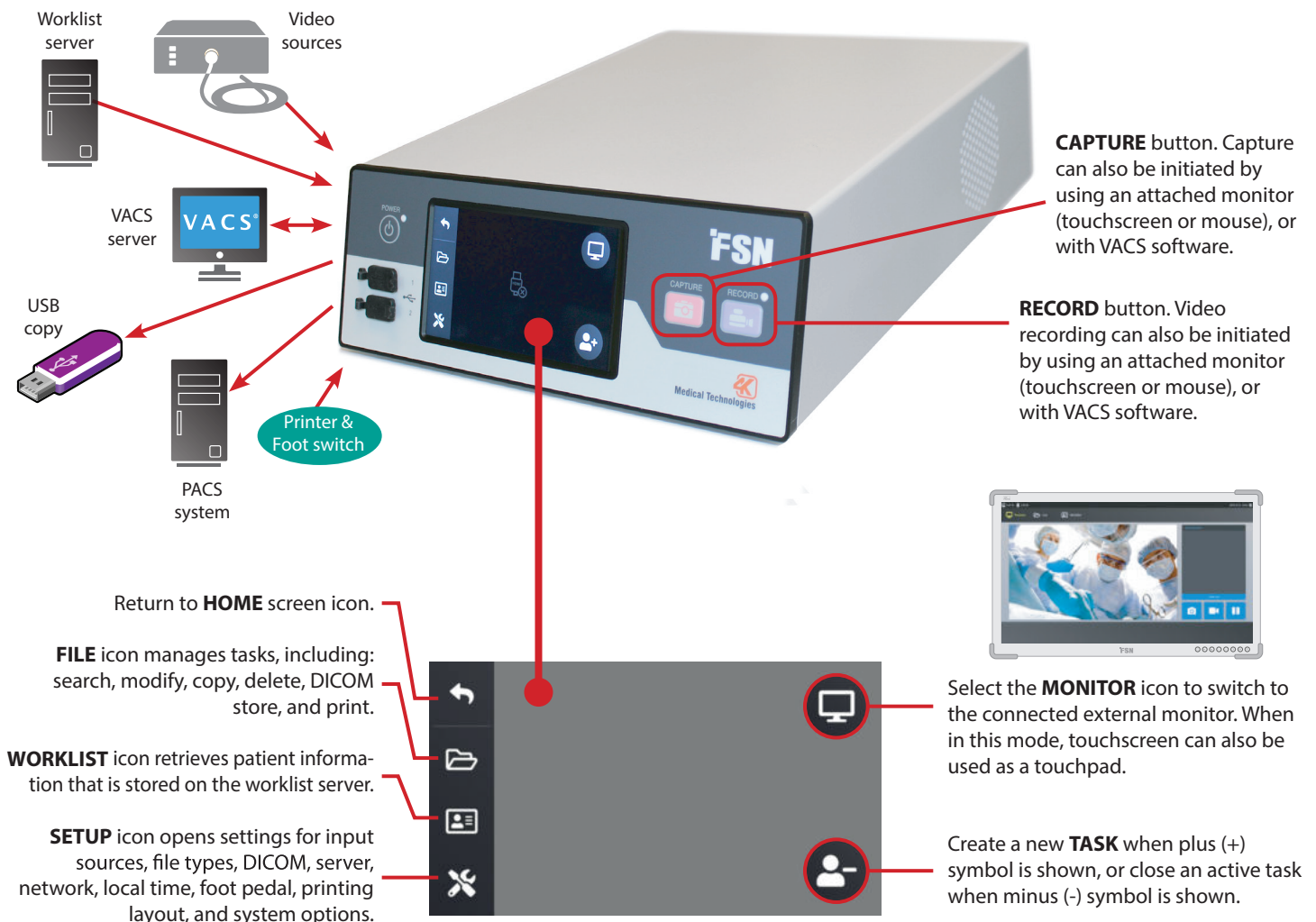
- 3G-SDI (IPS740DS)
- 3G/12G-SDI (IPS740DG)
- DisplayPort 1.2
- HDMI 2.0

File management options:

- DICOM & HL7 Integration
- DICOM Modality Worklist
- DICOM MPPS
- DICOM C-Store
- HL7 Appointment Booking

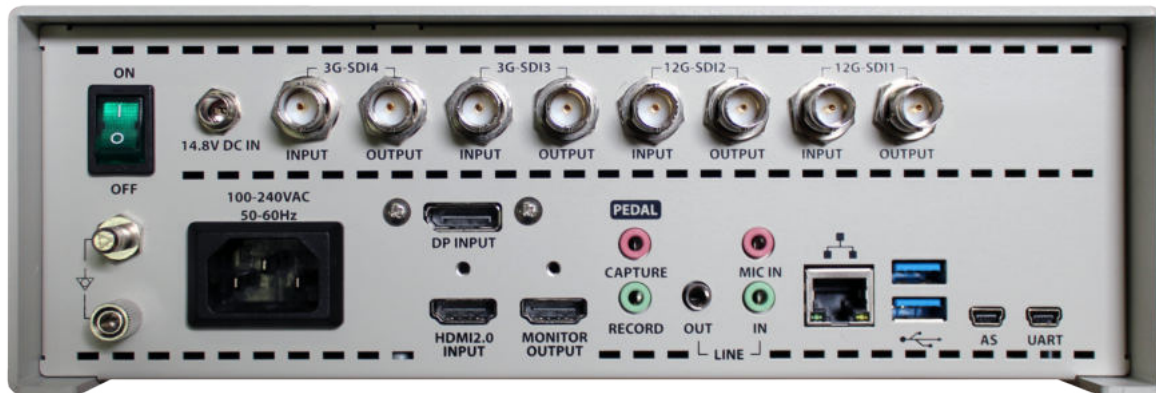
Additional medical A/V integration options

- Patient search & query
- Medical printer compatible
- Gigabit Ethernet
- 4 x USB 3.0 ports
- Audio inputs/output
- 2 x foot pedal inputs



Medical 4K Video Recorder

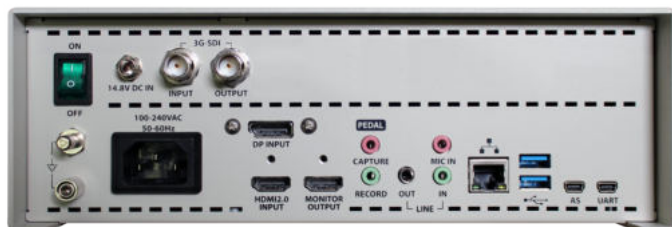
IPS740DS IPS740DG



IPS740DG with 3G and 12G-SDI

General Features

Item	Description
Main Functions	Video recording Up to 3840 x 2160P 60Hz 4096 x 2160P 60Hz
	Still image capture Up to 3840 x 2160P 4096 x 2160P
	Standalone preview Front LCD screen
	Menu access Front LCD screen (5 inch touch enabled) GUI on HDMI monitor output.
	DICOM, HL7 DICOM Store (Image & Video) Modality Worklist MPPS Appointment Booking (HL7)
Inputs	DICOM store Direct Access to PACS
	HDMI 2.0
	DisplayPort 1.4
	SDI IPS740DS: 3G-SDI IPS740DG: 12G-SDI, 2SI, Quad
	Audio 3.5mm Stereo x 2ea Mic in, Line in
Outputs	Monitor output HDMI 2.0
	Loop-through IPS740DS: 3G-SDI IPS740DG: 12G-SDI, 2SI, Quad
	Audio 3.5mm Stereo line out



IPS740DS with 3G-SDI

Item	Description
Data I/O	USB 3.0 2 on front, 2 on back
	RS-232C Mini-USB
	Ethernet RJ45 x 1 (10/100/1000M)
	Keyboard / Mouse USB type
	Foot pedal 3.5mm stereo jack x 2 Recording, Capture
Recording and Capture	Recording resolution 4096x2160p60 3840x2160p60 1920x1080p60
	Encoding formats H.264, H.265
	Recording file format MP4
	Capture image format BMP, JPEG, DICOM
	Audio encoding format AAC
Storage	3D video formats 4K line alternative (SBSH conversion) 4K side-by-side half
	Internal hard drive 4TB
	External USB storage USB flash drive USB HDD
	USB file system FAT32, NTFS
	Network file system CIFS
General	Network transfer FTP (client)
	Power requirements AC 100-240V / 50-60Hz, 0.6A (max)
	Power consumption TBD
	Dimensions 260mm (10.2 in.) wide x 95mm (3.7 in.) high x 330mm (13 in.) deep
	Weight TBD
Compliance & Certifications	Temperature Operating: 0° to +40° C (+32° to +104° F) Storage: -20° to + 60° C (-4° to +140° F)
	Humidity Operating: 10 - 85% RH Storage: 10 - 85% RH

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Medical Image Processing

IPS1000A - Control OR™



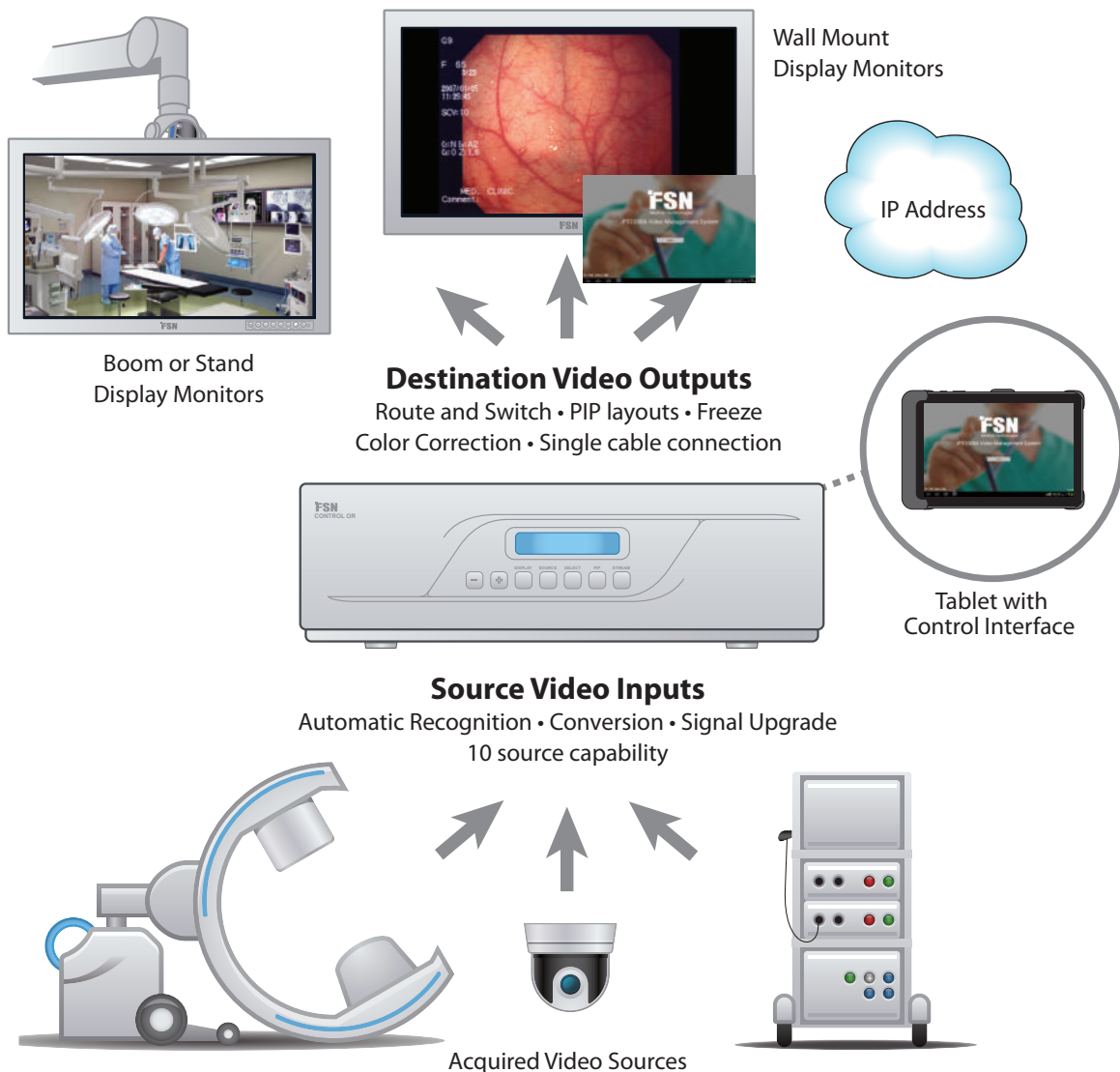
Take control of the imaging equipment in today's medical environment. The ability to standardize and control video signals is essential, especially with the need to share a common video display system. IPS1000A/Control OR can scale, format, and split video signals based upon what is needed. The system features 10 input and 5 output capability.

Key Features

Picture-in-picture, picture-by-picture, picture-on-picture, zoom pan, freeze capabilities. Configure video distribution via touch screen tablet interface. Upgrade analog signals and manipulate as digital content.

Simple Touch Control

Harness the power of IPS1000A by using the intuitive interface on FSN's touch screen tablet. User settings can be saved and recalled later for instant customizing. A secure docking station is available to hold and charge the tablet.



Medical Image Processing

IPS1000A - Control OR™



Input signal substitutions available

Output signal substitutions available

Specifications

General Features

Item	Description
Input - standard configuration	DVI-D x 2, VGA (D-sub) x 1, Component (BNC) x 1, C-Video (BNC) x 2, S-Video (DIN) x 2, SD/HD/3G-SDI (BNC) x 2
Input - available options	Additional DVI-D, Optical Fiber
Output - standard configuration	DVI-D x 4, RS232C x 4, SD/HD/3G-SDI (BNC) x 2, Streaming/ Additional DVI-D
Output - available options	SD/HD/3G-SDI (BNC), Optical Fiber (SC)
Control key	7 button (Display, Source, Plus, Minus, Select, PiP, Stream)

Item	Description
OSD language	English
Power	AC 100~240V / 50~60Hz, 2A(max)
Serial communication	RS-232C 115200 baud Rx
Network	Ethernet TCP/IP 10/100 base TX (Auto sensing)
Compliance & Certifications	FDA Class I, UL 60601-1, CAN/CSA-C22.2 No. 601, FCC Part 15, EN60601-1-1-2, CE, RoHS
Unit Dimension	437(W) x 139.5(H) x 380(D) mm 17.21(W) x 5.49(H) x 14.96(D) inch
Package Dimension	584.2(W) x 234.95(H) x 571.5(D) mm 23(W) x 9.25(H) x 22.5(D) inch



The tablet can be disengaged from the mounted docking station for portable control.



Control OR's small footprint allows it to be positioned for maximum efficiency.

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Wireless AV Tranceiver System

WUH4000



Wireless Flexibility

With FSN's wireless system, medical equipment layouts can be flexible and completely mobile. Reduced wiring helps eliminate

snagging or tripping hazards. Turn-around time in is fast and efficient without the need to constantly connect and disconnect wires from equipment.



4K Source to Display

WUH4000 is the result of extensive research and development. By implementing frequencies that do not interfere with other wireless signals, this system delivers video that is uncompressed, near-zero latency, and free from lagging or stalling. It is designed for in-room use with a typical range of up to 10 meters.

Medi-Cast™ Technology

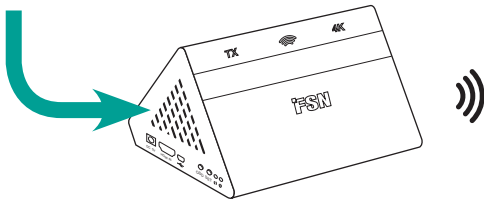
Medi-Cast wireless technology from FSN offers these benefits:

- Dual displays viewing option.
- Smart antenna can negotiate non line of sight operation.
- On-screen signal strength indicator.



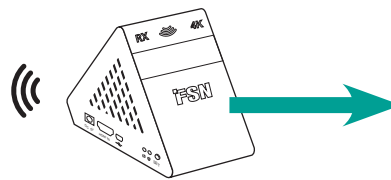
- Data encryption for privacy.
- Uncompressed streaming video up to 4K UHD resolution.
- Near zero latency (less than one frame).
- Audio output, up to 7.1 channels.

Source



4K UHD wireless transmitter.

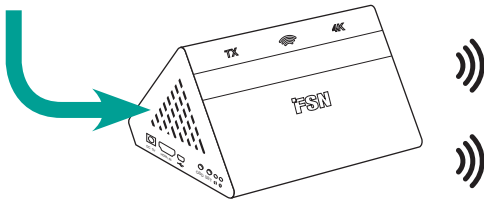
1 to 1 connection



4K UHD wireless receiver.

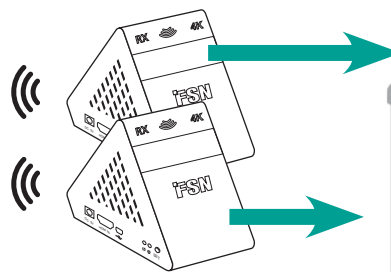


Source

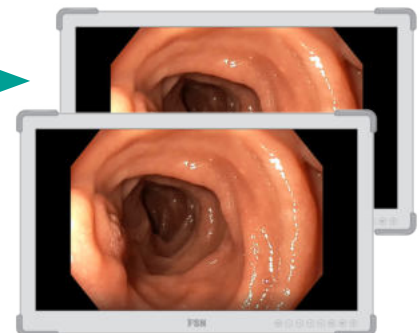


4K UHD wireless transmitter.

1 to 2 connection



4K UHD wireless receivers.



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Wireless AV Tranceiver System

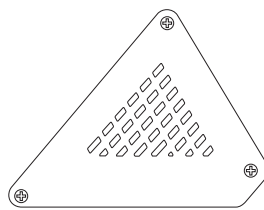
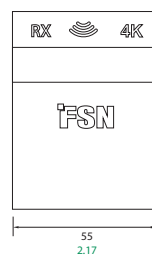
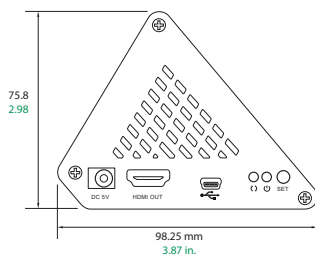
WUH4000



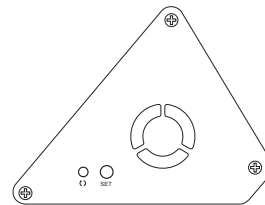
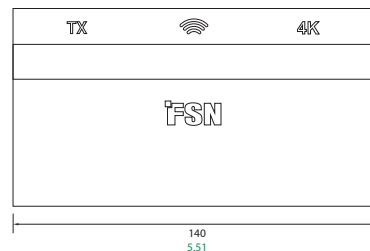
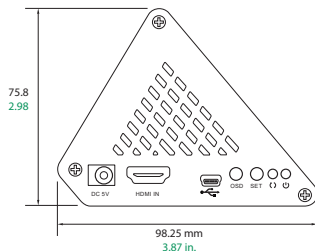
General Features

Item	Feature	Description
Main	Wireless standard	60 GHz WiHD frequency
	Stream video	Uncompressed video stream up to 4K/UHD resolution
	Latency	Less than one frame
	Range	10 meters, (NLOS)
	Signal strength	On-screen indicator
	Antenna scheme	Beam steering technology
	Antenna type	Onboard integrated antenna array
	Single or multi display option.	2 displays per room maximum. • 1TX to 1RX • 1TX to 2RX
Video interface	Private data encryption	256-bit AES
	Input/Output signal	HDMI 2.0
	Content compliance	HDCP 2.2
	Protocol	HDMI, DVI
	Resolution	480i/480p@60Hz 576i/576p@50Hz 720p@50/60Hz 1080i@50/60Hz 1080p@24/30/50/60Hz 4K x 2K, UHD @ 24/30/60Hz (input)
Audio interface	Audio output	Up to 7.1 channels, high bit rate
	Audio format	LPCM channels 2, 6, 8 SPDIF channels 6, 8
Data interface	FW upgrade	Micro USB 2.0
Control/status indicator	Wireless link/set	TX: 2 x SET buttons RX: 1 x SET button
		TX: 2 x link LED (amber) RX: 1 x link LED (amber)
	Signal strength control	TX: OSD button on/off
	Power	LED (green)
RF	Radiated power (EIRP)	TX HRP: 28.3 dBm (average) RX LRP: 25.3 dBm (average)

Item	Feature	Description
Power	Requirement	Adapter Technology, Inc. ATM036T-P050 VAC: 100-240 (50/60 Hz) 5V/5A DC
	Consumption	TX: 15W RX: 3.5W
Physical	Weight	TX: 0.57 kg, 1.25 lbs. RX: 0.23 kg, 0.5 lbs. Shipping package: TBD
	Dimension	TX: 75.8 (H) x 140 (W) x 98.25(D) (mm) RX: 75.8 (H) x 55 (W) x 98.25(D) (mm) Shipping package: TBD
Environmental	Operating temp.	32F~104F (0C~ 40C)
	Humidity	5%~85%
	Storage temp.	-4F ~ 140F (-20C~60C)
	Humidity	10%~85%
MTBF		30000 hours
Compliance	FCC	Part 15 Subpart B Class B
	FCC ID	UK2-SII-SK63102 UK2-SII-SK63101
	IC RF	RSS 210
	IC ID	6705A-SIISK63102 6705A-SIISK63101
	CE (RED)	EN 301-489-1 EN 62311 EN 60950-1 EN 302-567
	CE (UL EMC)	EN 60601-1, IEC/EN 60601-1-2
	Japan	TELEC
	Korea Compliance	KCC
	VCCI Compliance	VCCI
	FDA	510K
	Green	RoHS



Part of the Medi-Cast™ technology feature set includes an on-screen signal strength indicator that shows WUH4000's connection status.



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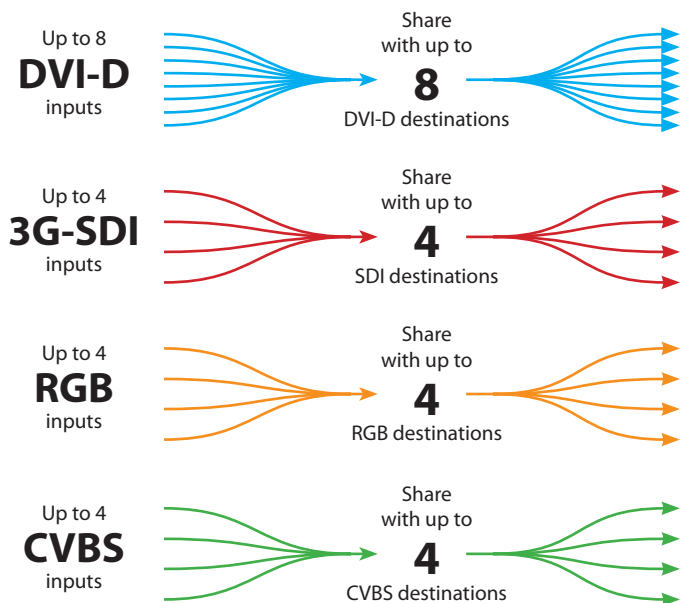
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Medical Video Matrix Switcher

MTS800A from FSN Medical Technologies is an all-in-one medical device switcher solution that manages several independent input/output systems typically found in a surgical environment. MTS800A uses a stand alone PC, or a tablet PC with touch screen user interface to control video switching. Streaming and preset configurations are available. Also, a live pre-view of the active video signal can be seen on the controlling PC.

- Single location control for a variety of medical OR video systems.
- 8x8 DVI-D full matrix switching up to WUXGA.
- 4x4 SD/HD/3G-SDI full matrix switching.
- 4x4 RGB (DSUB) full matrix switching up to WUXGA.
- 4x4 CVBS full matrix switching.
- Network video streaming (delay may apply depending on the environment).
- Preset configurations can be saved and recalled..
- Supports preview of the active video signal.



User interface and WIS3000 tablet

The WIS3000 Control Tablet is a single appliance that can operate MTS800A with the touch of a finger. The user interface has been designed to manage several independent input/output video systems typically found in a surgical environment. A live preview of the active video signal is presented within the user interface. Configurations can be saved as a preset for later recall. Streaming to a remote location is also available.



Select the video signal type.

Live preview of the active video signal.

The WIS3000 tablet communicates with MTS800A using a router and wireless connection.

Select the signal to route. Label names on input buttons can be customized.

Select output display destination. Label names on output buttons can be customized.

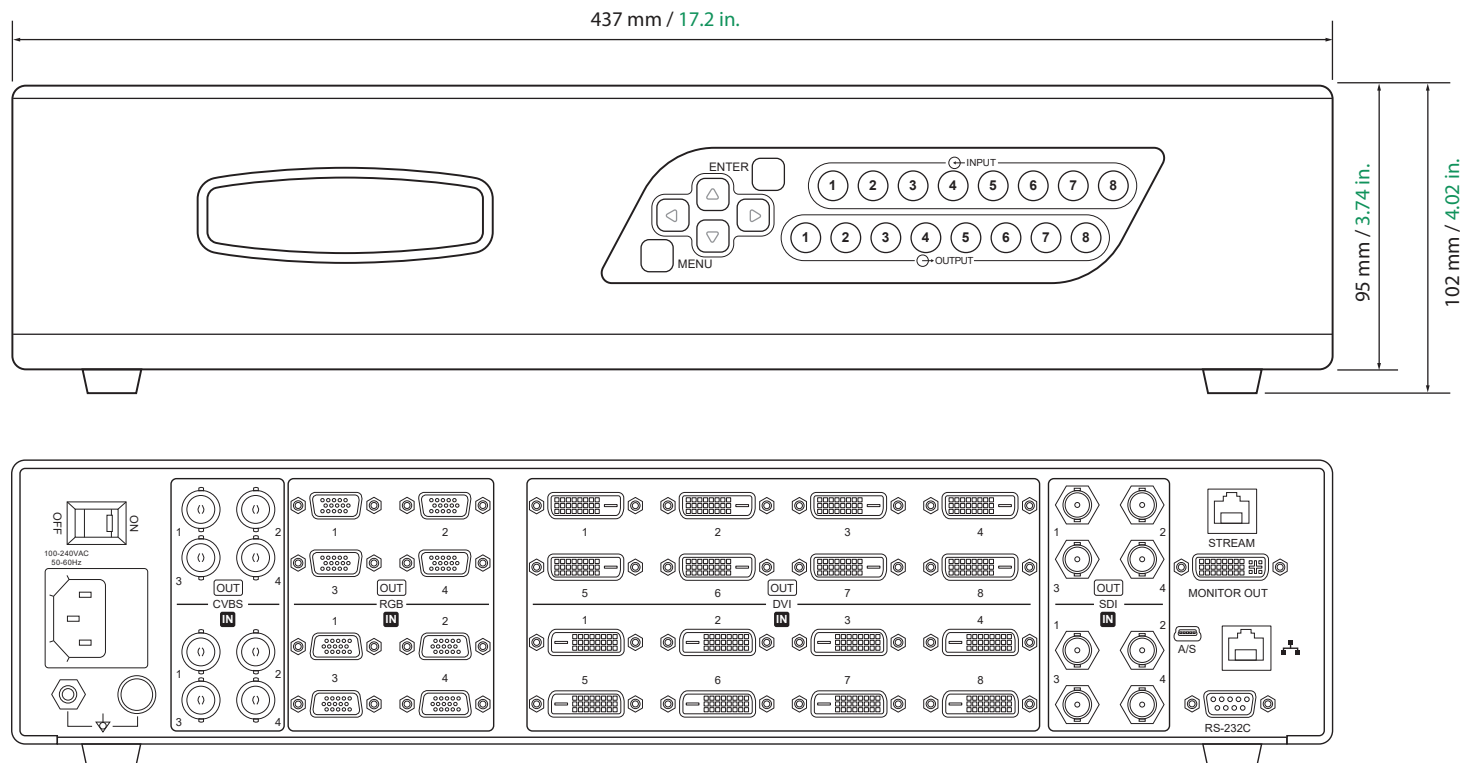
Specifications

General Features

Item	Description
Matrix*	CVBS
	SDI
	Analog RGB
	DVI
Inputs	CVBS
	SDI
	Analog RGB
	DVI
Outputs	CVBS
	SDI
	Analog RGB
	DVI

* Signals being switched must be the same type. Example: DVI in and DVI out is supported, DVI in and SDI out is not supported.

Item	Description	
Preview Outputs	DVI-D	Single link, Up to 1920 x 1080p/60Hz
	RJ-45	Video Stream for Tablet and PC
Streaming	RJ-45	Video Stream up to 1920 x 1080p/60Hz (Stream source shares same video with pre-view video stream)
Control Outputs	RS-232C	DSUB9 x1ea
	Network	RJ-45 x1ea
General	Power Requirements	AC 100 - 240 V, 50~60Hz
	Power Consumption	30W max
	Dimensions (W x H x D)	437mm x 340mm x 102
	Weight	5.35Kg / 11.80 lbs
	Temperature	Operating: 0 to +40°C(+32 to +104°F) / Storage: -20 to + 60°C(-4 to +140°F)
	Humidity	Operating: 20 - 85% RH / Storage: 5 - 85% RH
Compliance and Certifications	UL 60601.1, EN 60601, CE, MDD 93/42/EEC, ISO 9001, ISO 13485 Class 1 Medical Device, RoHS	



Multi Display Viewer

FS-MV8820



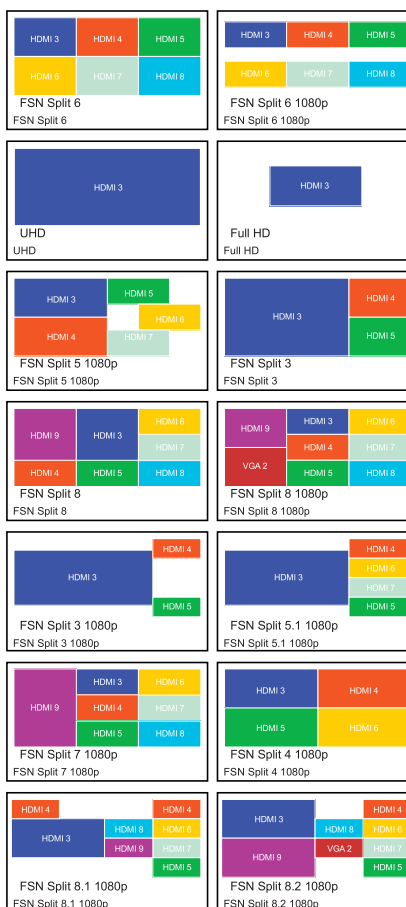
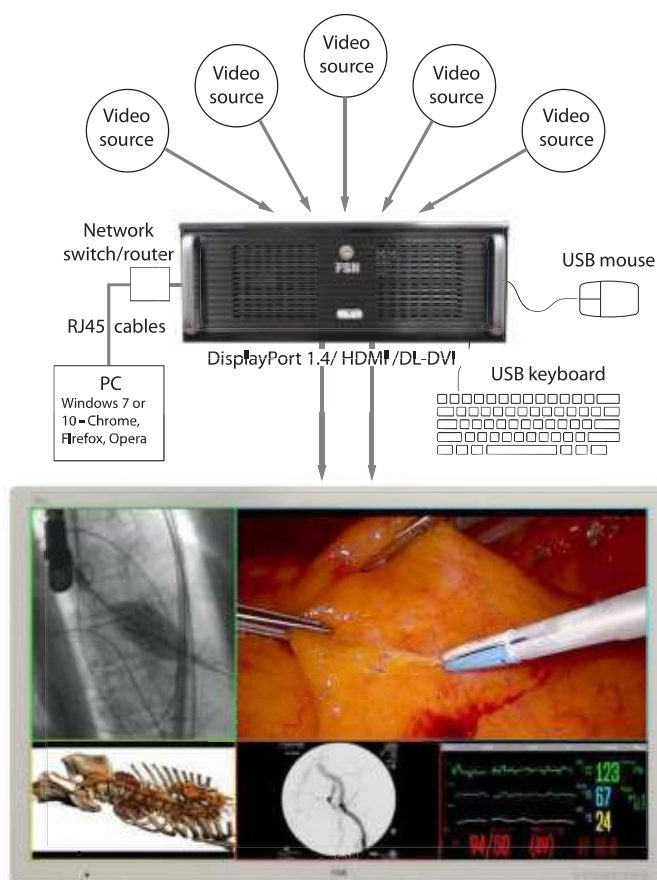
FS-MV8820 is a multi-view management system that has the capability to collect, combine, and transmit video sources to a single 4K monitor. The system comes with 9 video inputs and 5 video outputs. It allows users to configure multiple resolution signals to preset layouts, or to adjust screen layouts with re-sizing, overlapping, duplicating, and cropping.

FS-MV8820 contains all system functionality in one unit, and takes advantage of real-time architecture for ultra-low latency. Hardware scaling utilizes bilinear filtering for the best possible video quality. An on-screen administration tool & API for re-remote control is available. KVM functionality is fully integrated. Digital and analog inputs are supported.

User definable arrangement sets can be easily switched via touch panel PC, web-interface with iPad, or similar device. Status information and diagnostics are accessible through a network.

Critical environments are perfect for FS-MV8820's highly reliable design. Robust construction and materials are employed for use in specialized medical disciplines, including 24x7 operations. No hard disk is used, and the system features redundant power supplies.

FS-MV8820 comes with a standard set of screen layouts to choose from.



- HDMI video inputs
- Works with multiple resolution signals
- Adjustable screen layouts
- Overlapping, duplicating, cropping
- Real-time architecture for ultra-low latency
- An on-screen administration tools
- KVM functionality fully integrated

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Multi Display Viewer

FS-MV8820



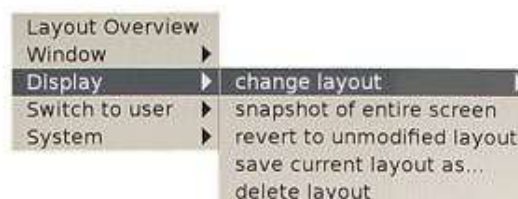
Inputs/Outputs



FS-MV8820 back panel



On-screen user interface



When enabled in the Display setting, *MDM with KVM* mode lets the user open an onscreen menu with a right click of the attached mouse. These onscreen menus allow the user to access a subset of commands available in the browser interface.

Input

Port	Signal	Max. Resolution
1	HDMI 2.0	UHD @ 60Hz
2 - 9	HDMI 1.2	FHD

Output

Port	Signal	Max. Resolution
1A	DisplayPort 1.4	UHD @ 60Hz
1B	DisplayPort 1.4	UHD @ 60Hz
1C	DisplayPort 1.4	UHD @ 60Hz
1D	HDMI 2.0	UHD @ 60Hz
1E	DualLink-DVI	WQXGA @ 60 Hz

Window

- original size
- screenshot of this window
- remove this window

Display

- change layout
- screenshot of entire screen
- revert to unmodified layout
- save layout as
- delete layout

Switch to user

(a list of all users is displayed)

System

- rename user
- go to standby

Specifications are subject to change with or without notice. Doc. # FSN1994 Rev. 11/18

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