

KTC

Digital Operation Room Display and Video Management Solutions

V1

2023-9-10



Part 1

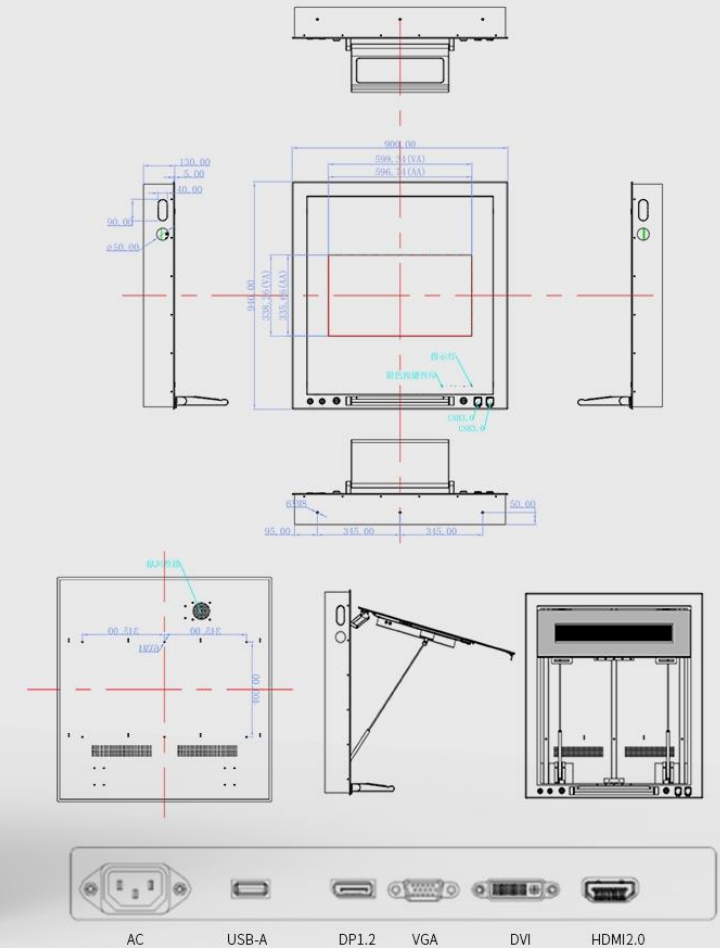
In wall Display Solutions



27inch - 27H21-T

Product Feature:

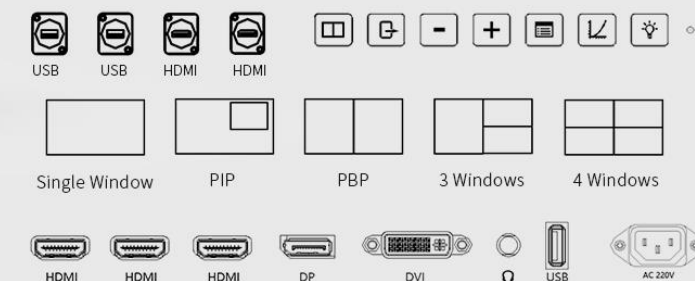
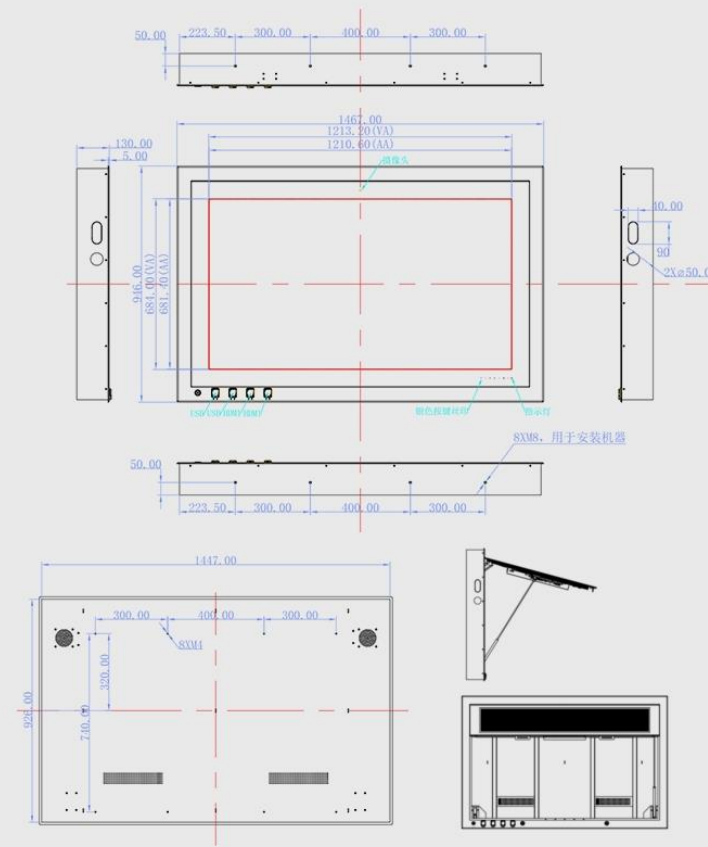
- In wall Open Lid /Flip Type
- Resolution: 2560x1440
- Brightness: 350cd/m²
- Medical DICOM/Gamma Calibrated
- Air Bonding 10 point PCAP
- 7 Touch Keys with Hot-key function
- Muti-interface mode (DP/DVI/HDMI(OPS))
- Gas springs support open lid
- Medical Grade Keyboard and Mouse
- Built-in OPS Computer(optional)
- Support product portfolio with 55H17(Height same as 55")



55inch - 55H17

Product Feature:

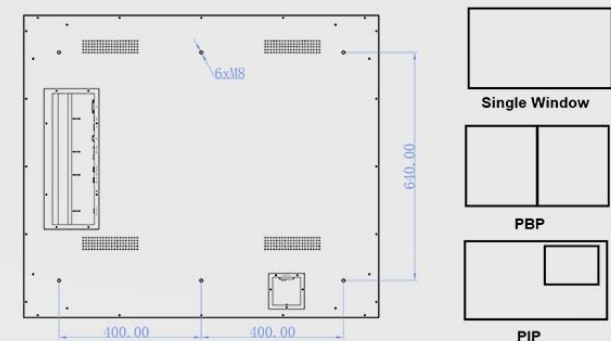
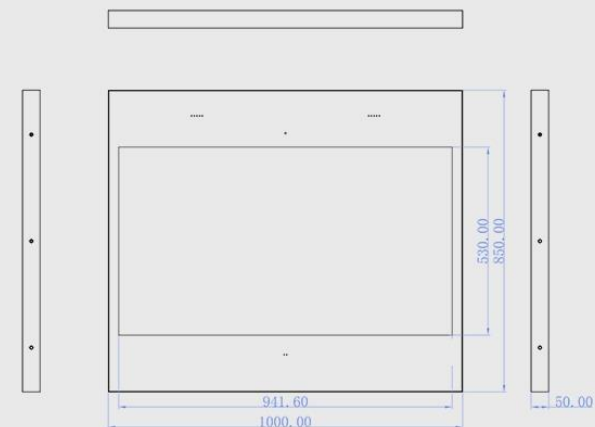
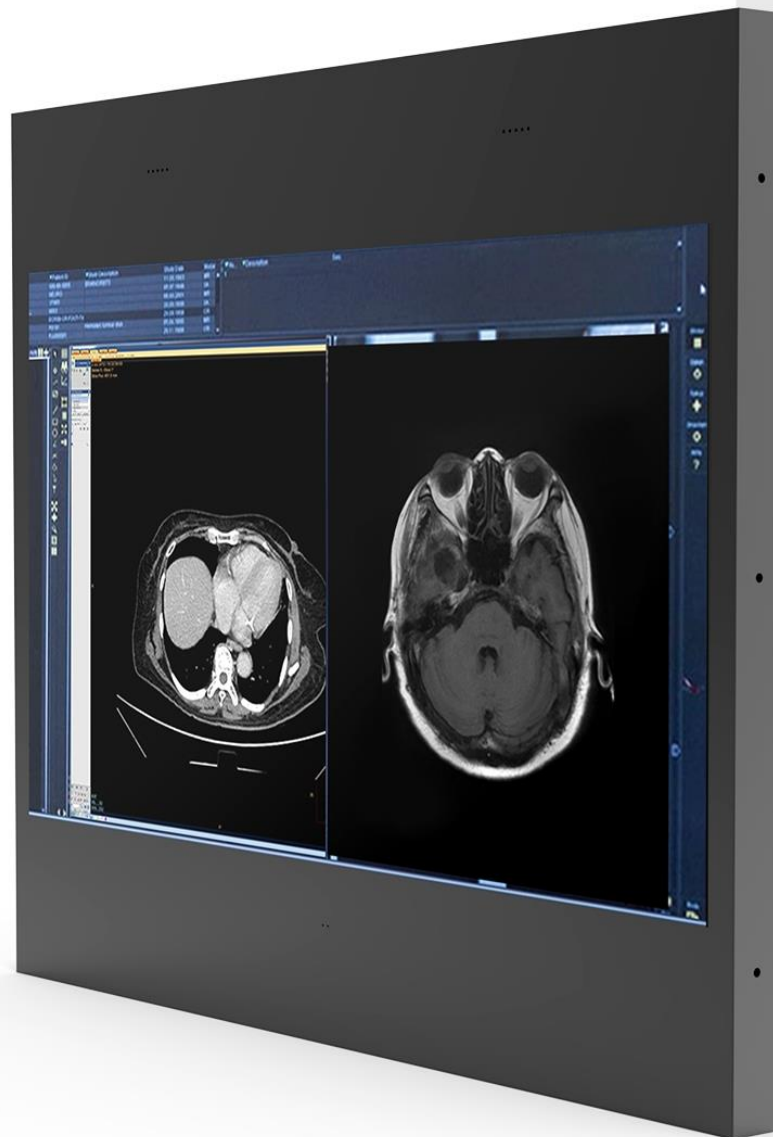
- In wall Open Lid /Flip Type
- Resolution: 3840x2160
- Brightness: 500cd/m²
- Medical DICOM/Gamma Calibrated
- Air Bonding Cover Glass,
- 10 point PCAP (Optional)
- Hot-key functions for lamp mode and Multi windows mode ,Gamma mode
- Muti-interface mode (DP/DVI/HDMI(OPS))
- Gas springs support open lid
- Medical Grade Keyboard and Mouse
- Built-in OPS Computer(optional)
- Support product portfolio with 27H21-T (Height same as 27")



43inch- 43H17-T

Product Feature:

- In wall Type (**CANNOT** Open lid)
- Resolution: 3840x2160
- Brightness: 500cd/m²
- Medical DICOM/Gamma Calibrated
- Optical Bonding 10 point PCAP
- Hot-key functions for lamp mode and two windows mode ,
Gamma mode (**Optional**)
- Muti-interface mode (DP/DVI/HDMI(OPS))



24+49 inch

Product Feature:

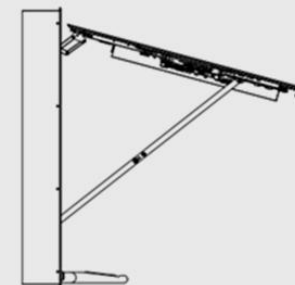
- In wall Open Lid /Flip Type
- 23.8" :1920x1080, 49" : 3840x2160
- 23.8" : 350cd/m², 49" : 500cd/m²
- Air Bonding PCAP for 23.8"
- Air Bonding Cover Glass for 49"
- Medical DICOM/Gamma Calibrated
- Hot-key functions for lamp mode and Multi windows mode , Gamma mode
- Multi-interface Input (DP/DVI/HDMI(OPS))
- Gas springs support open lid
- Medical Grade Keyboard and Mouse
- Built-in OPS Computer(optional)



49" Interface



24" Interface



Single Window



PIP



PBP



24+55 inch

Product Feature:

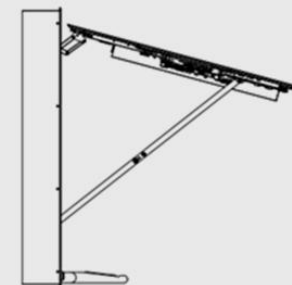
- In wall Open Lid /Flip Type
- 23.8": 1920x1080 , 55" :3840x2160
- 23.8": 350 cd/m² , 55" : 500 cd/m²
- Air Bonding PCAP for 23.8"
- Air Bonding for 55"
- Medical DICOM/Gamma Calibrated
- Hot-key functions for lamp mode and Multi windows mode , Gamma mode
- Multi-interface Input (DP/DVI/HDMI(OPS))
- Gas springs support open lid
- Medical Grade Keyboard and Mouse
- Built-in OPS Computer(optional)



49" Interface



24" Interface



Single Window



PIP



PBP

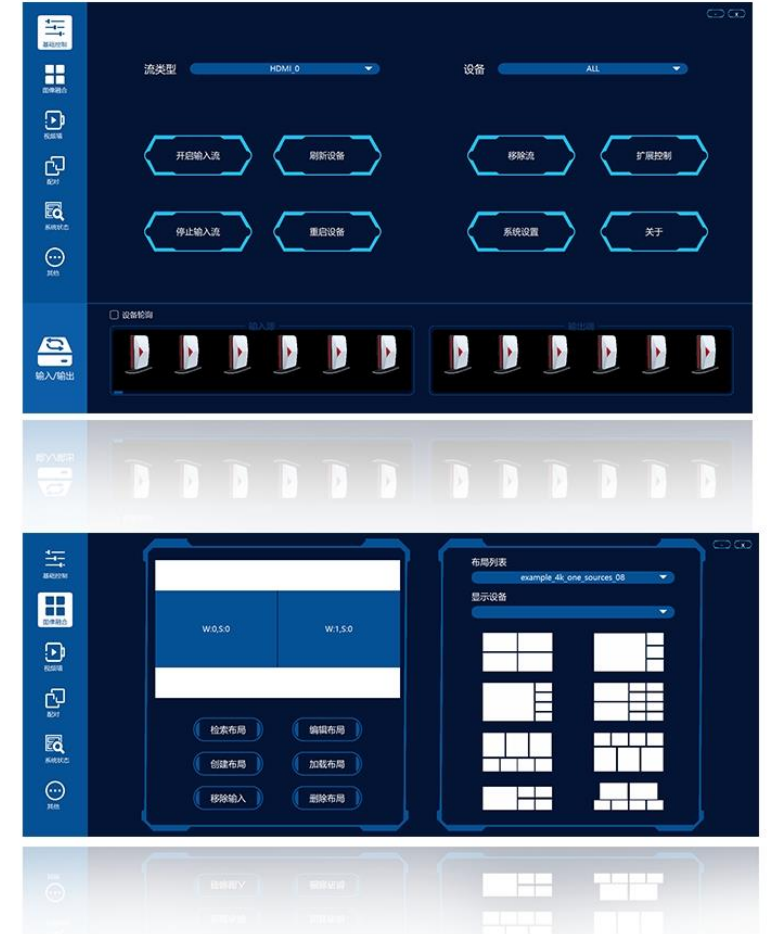
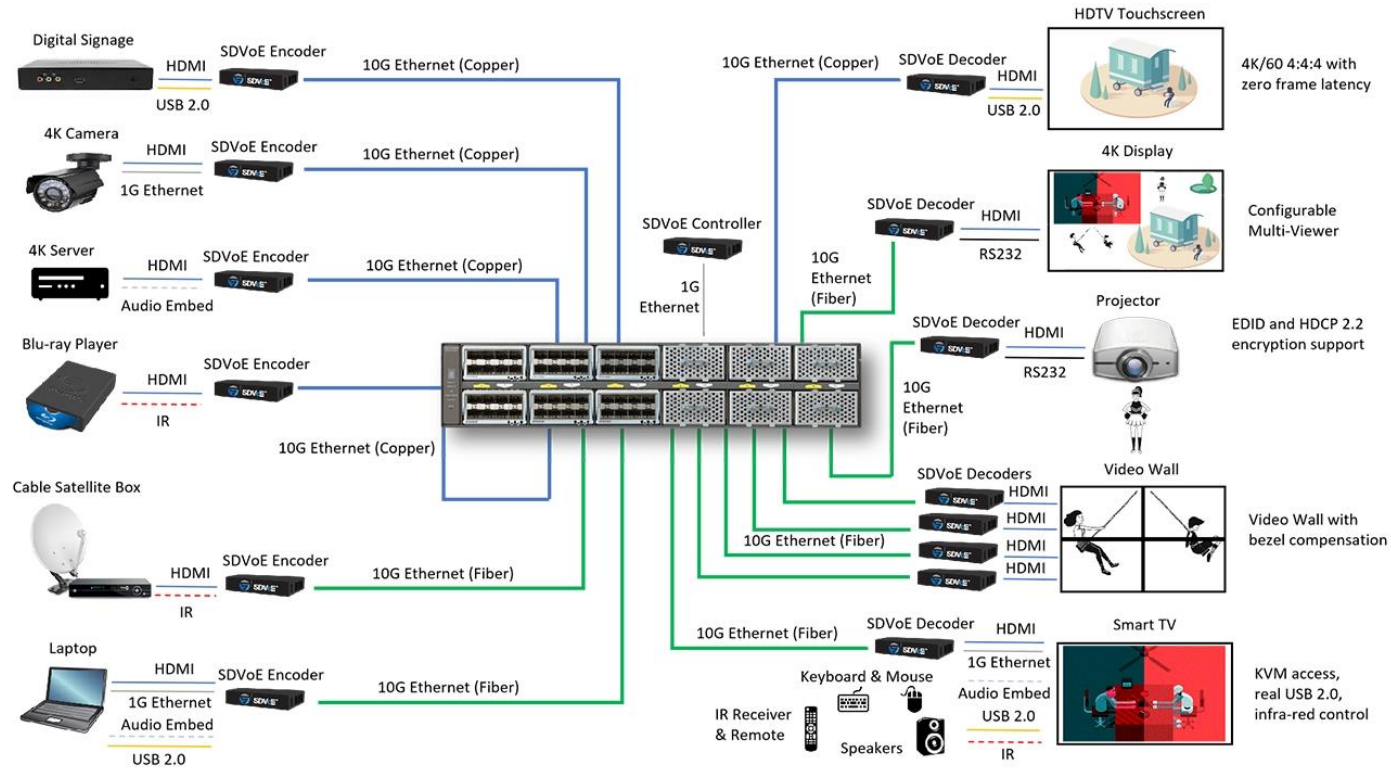


Part 2

SDVOE and DVR Solutions



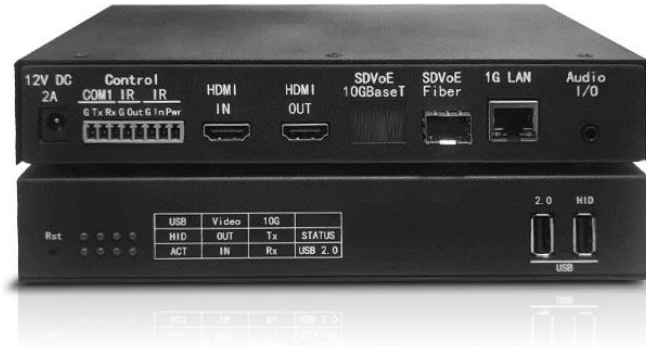
SDVOE Fiber Switching System



Complete solution:

Hardware equipment + Software Applications

SDVOE Encoder and Decoder Box



One Box (Encoder and Decoder)



10G Fiber Switch



OM3-Fiber and 10G/
1310nm SPF(10KM)

KEY FEATURES:

- Enables switching and extension of AV over Ethernet networks
- Supports 4K60 RGB/4:4:4, HDR, 3G and broadcast-friendly 4K60 10-bit 4:2:2
- HDMI audio embedding, de-embedding and breakaway
- Independent switching with zero-latency for all signal types
- Supports 10GBaseT copper infrastructure over category cabling
- Single device for transmitter or receiver products
- Broadcast quality scaler, programmable to scale up or down any resolution
- Compositing engine for combining multiple sources into a single display with user-defined layouts
- Audio down-mixing engine from multi-channel PCM audio to stereo
- Supports 10G Ethernet over category cabling and optical fiber
- Size: 20.5cm x 13.4cm x 3.9cm

VIDEO INTERFACES

- HDMI 2.0 supporting all resolutions up to 594MHz.
- 4K60 RGB/4:4:4 8-bit, 4:2:0 10-bit and 12-bit HDR.

AUDIO INTERFACES

- HDMI audio plus 2-channel I2S and 8-channel I2S in and out.
- Supporting all HDMI 2.0 formats including multi-channel PCM, Dolby True-HD and DTS-HD master audio.
- Each audio type independently routable.
- Seamless Dante® audio integration using I2S and RGMII interfaces .

TRANSPORT PERFORMANCE

- End-to-end latency under 100 us.
- Compression, when used, is ultra-lightweight with 1.3-to1 compression ratio and 100% artifact-free.

PERIPHERAL INTERFACES

- Quad RS-232, infrared I/O, GbE, USB-HID and GPIOUSB 2.0 device support at 480Mbps with third-party chipset.
- USB 2.0 device support at 480Mbps with third-party chipset.

PERIPHERAL INTERFACES

- Quad RS-232, infrared I/O, GbE, USB-HID and GPIOUSB 2.0 device support at 480Mbps with third-party chipset.
- USB 2.0 device support at 480Mbps with third-party chipset.

AV PROCESSOR

- Broadcast quality scaling (4K、VGA).
- Color space, chroma sampling, and frame rate conversion.
- Video wall synchronized output and bezel correction up to 64 displays.
- Multi-view compositing up to 16x16 tiles.
- Picture-in-picture, picture-and-picture.
- Multi-channel PCM audio down-mixing.

SDVoE API

Video Scaling



Matrix Switches

Frame Rate Conversion



Presentation Switchers

Audio Down-mixing



KVM Switches

Video Wall Application



Integrated Operating Rooms

Image Compositing



Video Wall Controllers

Chroma Sample Conversion



Software Feature:

- Dragged to pair, quickly configure and start AV over IP systems
- Clear, Simple and Easy to control device or streams.
- Check device real-time information about connections

APPLICATIONS:

- AV/KVM extension and matrix switching over IP
- Video wall processing
- Windowing and tiling

DVR System



Full Patient Workflow

The MVR Pro comes with full patient workflow, including a 'DICOM Upgrade Package' option, for easy and fast retrieval of patient information and transfer of studies to PACS.

Multi-Input Recording

Directly toggle between two inputs and perform parallel or picture-in-picture recordings.

Multi-Storage/DLM

Recordings can be saved up to two locations in different recording resolutions. DataLife Management optimizes storage space.

MVR Manager

Browse and review all patient files. Zoom, take snapshots, cut video. Add notes, report in PDF, print and archive as you wish.

MVR Secure

Protect your files from hacking or power outages. Includes user authentication and historical logs for data protection.



DVR System

Upgrade Packages

The MVR Pro Upgrade Packages can be installed at any time by simply using an assigned activation key provided by MediCapture.



DICOM1

Easily retrieve patient DICOM
worklist and store to your PACS.



4K Recording 1.5

Records delicate surgeries
in stunning 4K (2160 p30/25).

Part 3

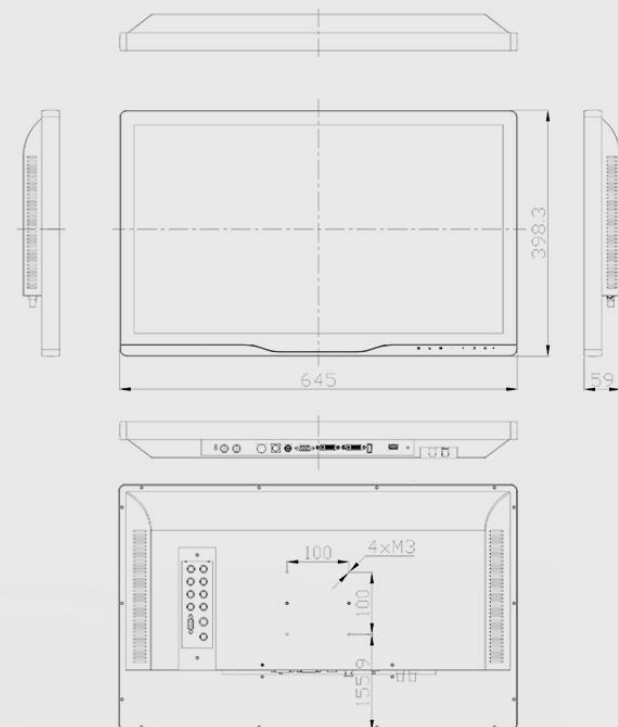
Surgical Operation Display



FHD Surgical Operation Display 22A30/24A30/27A31

Product Feature:

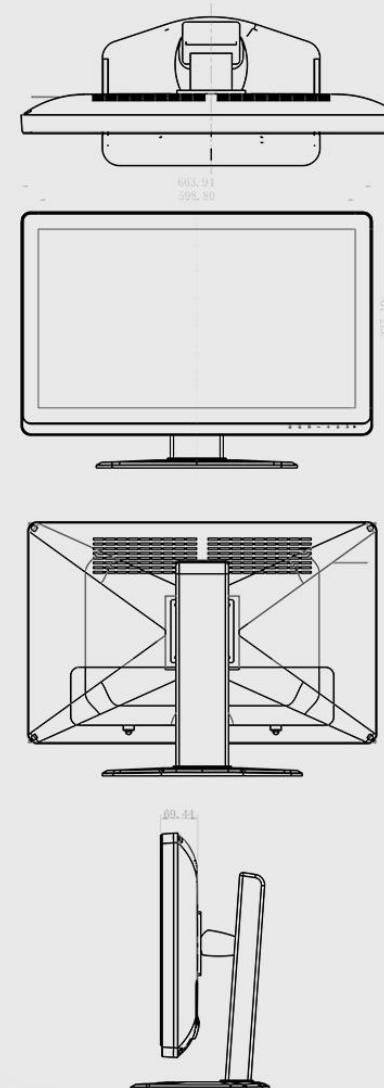
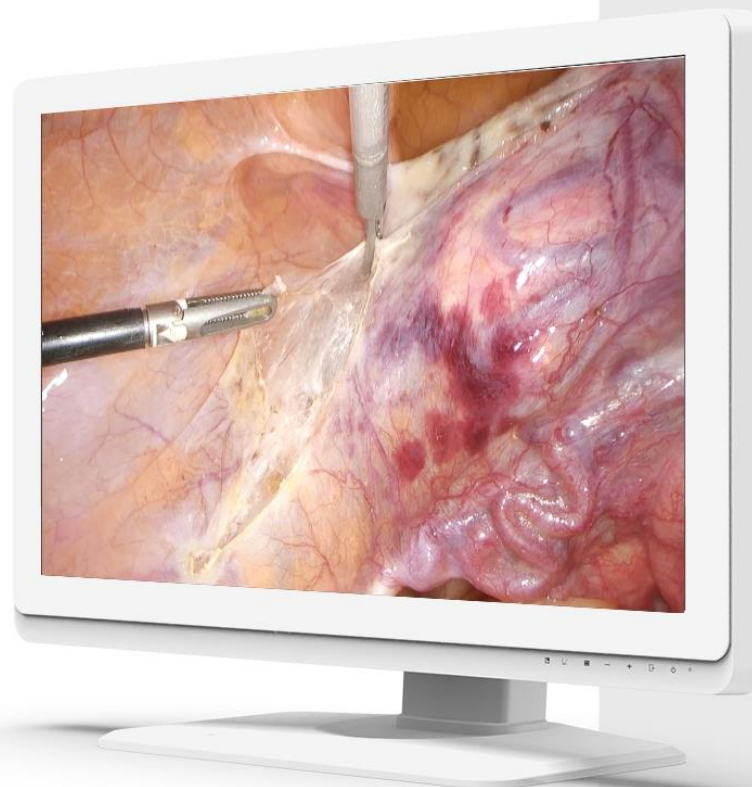
- Multiple interface mode, compatible with multiple signal modes, supporting multiple signal loop outs
- High definition display, realistic color reproduction
- Smooth dynamic images
- Full plane appearance design, in compliance with environmental requirements
- Nano anti fouling coating
- One click freezing function, locking instantaneous screen
- The entire machine meets the DICOM3.0 Part14 medical display standard, and multiple sets of GAMMA are optional
- Supports multiple LUT mode switching to adapt to different medical imaging cameras
- Support backlight energy-saving technology, effectively extending the service life of LCD screens



4K Surgical Operation Display 27A30

Product Feature:

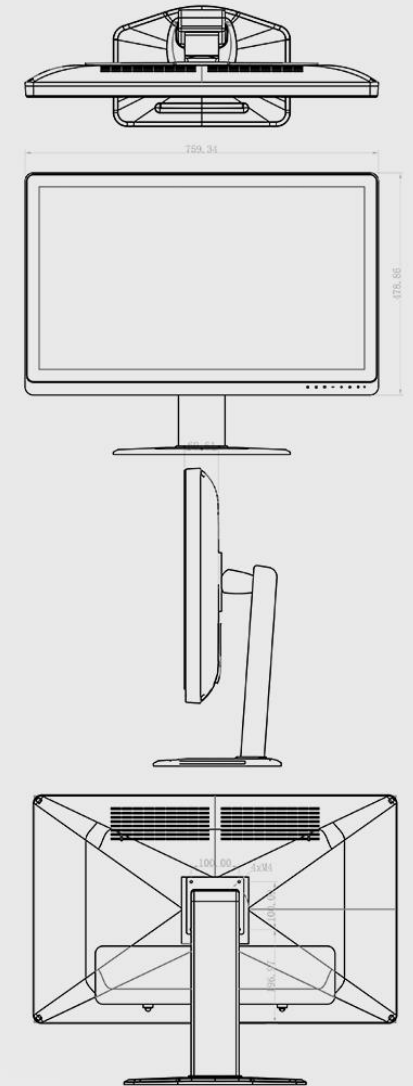
- 4K ultra clear medical endoscope display
- The entire machine meets the DICOM3.14 medical display standard, and multiple sets of GAMMA are optional
- Set up 12GSDI interface with 12GSDI ring out
- Multiple interface settings, supporting multiple high-definition signal inputs and outputs, providing you with flexible window layout modes. HDMI supports 2.0
- Supports multiple LUT mode switching to adapt to different medical imaging cameras
- Support for Picture in Picture function
- Support for image freezing function



4K Surgical Operation Display 32A30

Product Feature:

- 4K (3840x2160) ultra clear medical endoscope display
- The entire machine meets the DICOM3.14 medical display standard, and multiple sets of GAMMA are optional
- Set up 12GSDI interface with 12GSDI ring out
- Multiple interface settings, supporting multiple high-definition signal inputs and outputs, providing you with flexible window layout modes. HDMI supports 2.0
- Adopting a high transparency and anti reflection protection panel to eliminate the dizziness caused by reflection, resulting in a clearer image
- Adopting environmentally friendly LED backlit LCD panel, low power consumption, and long service life
- Support for quick one click PIP function



DSA Display 55A14

Product Feature:

- Power redundancy design with backlight redundancy, one group is damaged and the other group is enabled without delay
- With 1080P signal redundancy, the backup signal is automatically displayed when the main signal is lost
- Multiple sets of 5VDC power supply
- Protective cover to prevent glare, violence, and fingerprints
- Supports up to five sets of indicator light status reminders
- Supports multiple display modes such as DICOM/GAMMA

