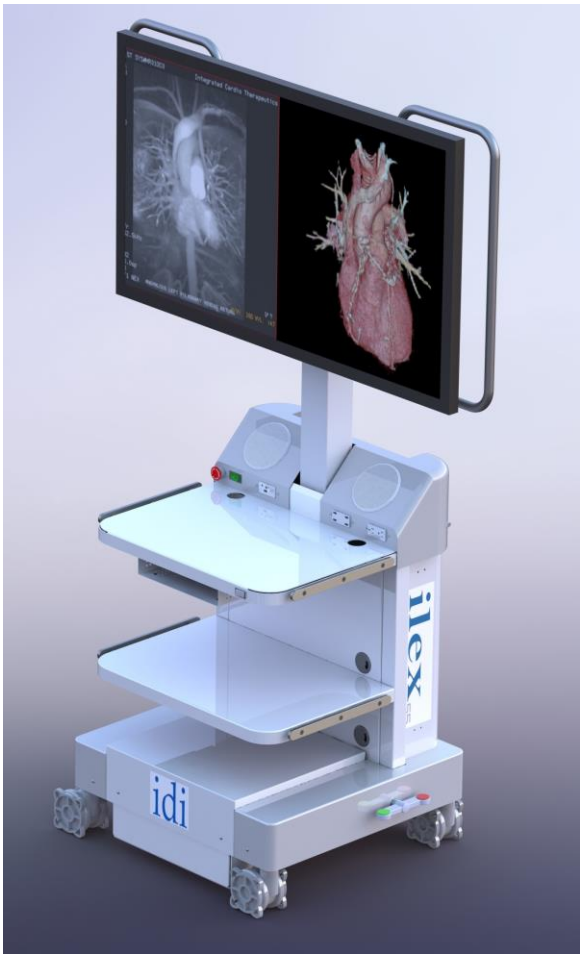
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ilex

Mobile Video Integration System



Installation Guide

For units *using* IPS500A video signal router

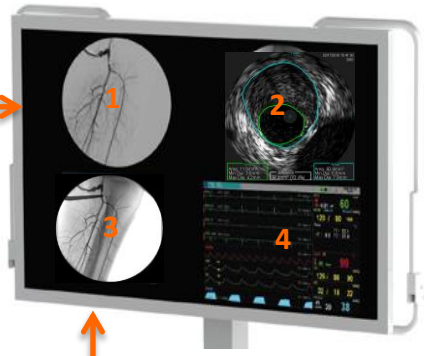
The text of this manual was originally written, approved and published by the manufacturer in English.
The information and images in this document are proprietary to IDI and is only for use for and by IDI representatives or their Agents.

Clinical set Up

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Monitor Screen

Input locations 1&3 are paired in the PIP side-by-side mode. Image 3 can have multiple active image sources that can be changed via the IPS500 Input button



IPS500A Flex Location 3

Each IPS500A can route up to (2) DVI, (1) VGA, (1) SOG, (1) S-Video and (1) SDI input

Input Source Monitor Location



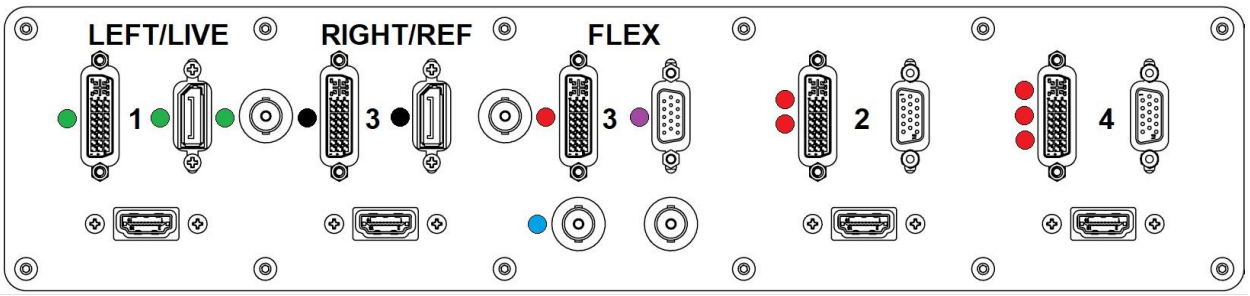
Changes Input **3**

Image Location 1

Flex Image Location 3

Image Location 2

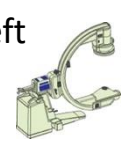
Image Location 4



Source Inputs

Left

Right











Source Destination Location is set by the numbers printed on the Video Panel. The #3 on the panel connects images to the #3 location on the Monitor and can be changed via the IPS500A controller.

Component Configuration

Input manual selector IPS500A

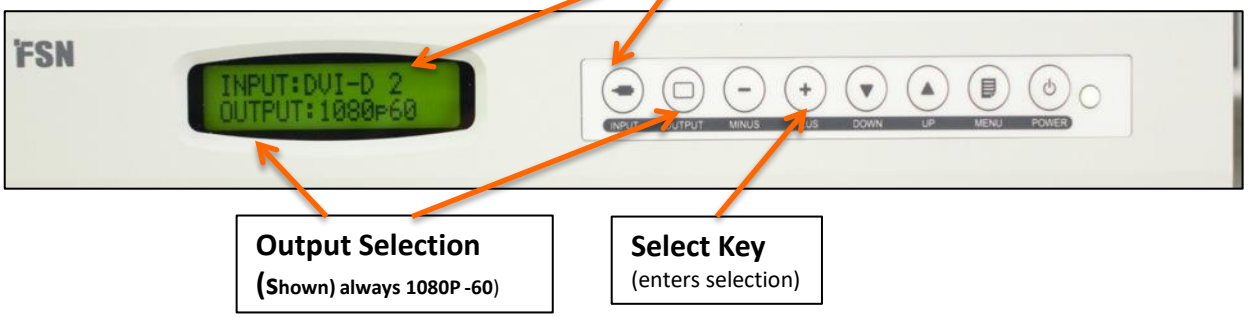
- IPS500A – Primary routing device and switcher for position #3

General

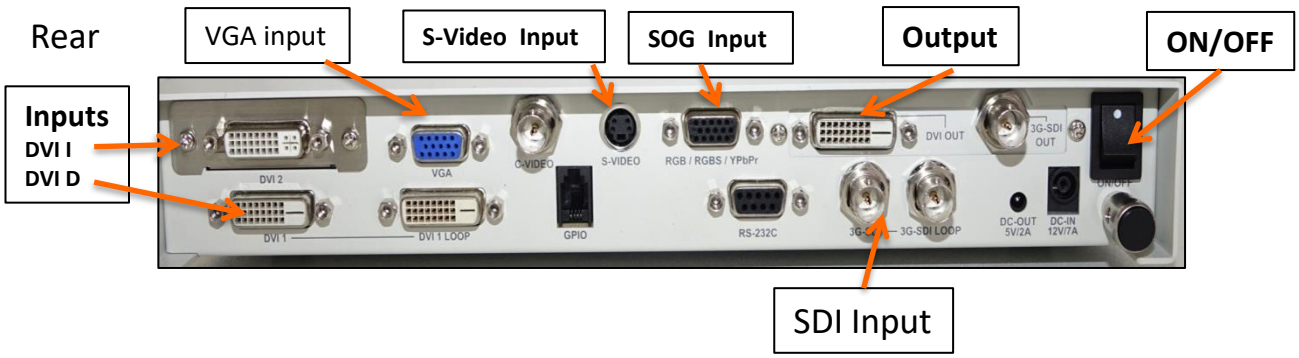
- Inputs routed through the IPS500A can be manually changed by selecting the Input button and toggle through the various inputs.
- Output setting must be set to 1080P at 60 HZ.

FSN IPS500A (Front and Rear)

Front



Rear



IPS500A Menu Settings

- On/OFF button in rear and front have to be on (screen will illuminate green)

Factory Preset Menu Settings

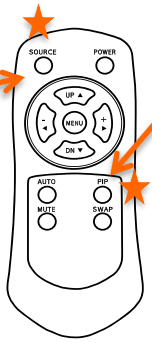
- Auto Search for Input set to off
- PIP Layout set to no
- Fill Aspect
- Always 1080p60 Output Setting

Examples for: C Arms, Cameras, Hemodynamics, PACS or Ultrasound

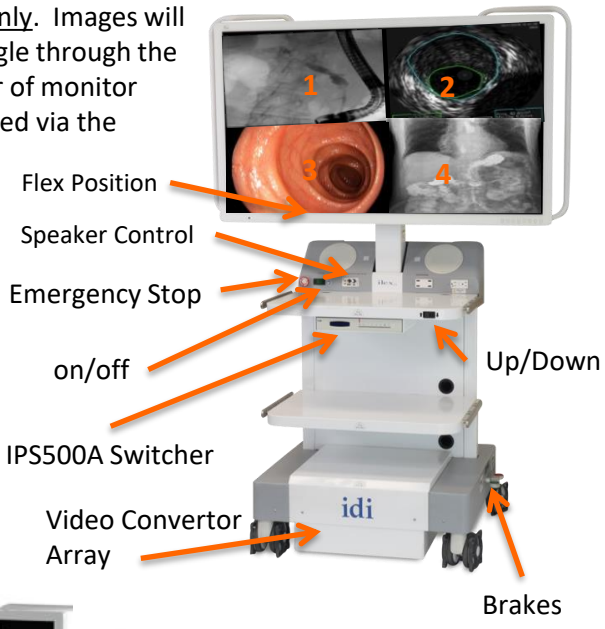
- The Green on/off button turns the system on. If the monitor doesn't boot up then press the Master Power switch located in the Monitors rear input manifold right next to the power cable insertion point
- The source cable's insertion location on the rear input plate determines the image's location on the Monitor
- Inputs **1 & 3** are paired in PIP mode and recycled back to the single mode via the hand switch **PIP** button or **Monitor's Side Control** panel
- Single images can be independently managed through the hand switch **SOURCE** button (or monitor Menu).
- The ilex is configured/converted for DVI monitor Inputs only. Images will not present if DP or SDI monitor inputs are selected. Toggle through the **SOURCE** inputs until you see **DVI** in the lower right corner of monitor
- Multiple images in the #3 position can be manually changed via the IPS500A.

Hand Control

Source: Changes the Single Primary Source Image and input source mode.



PIP: Changes the PIP format from Single, PIP, PBP, Triple, Quad view and back to single mode



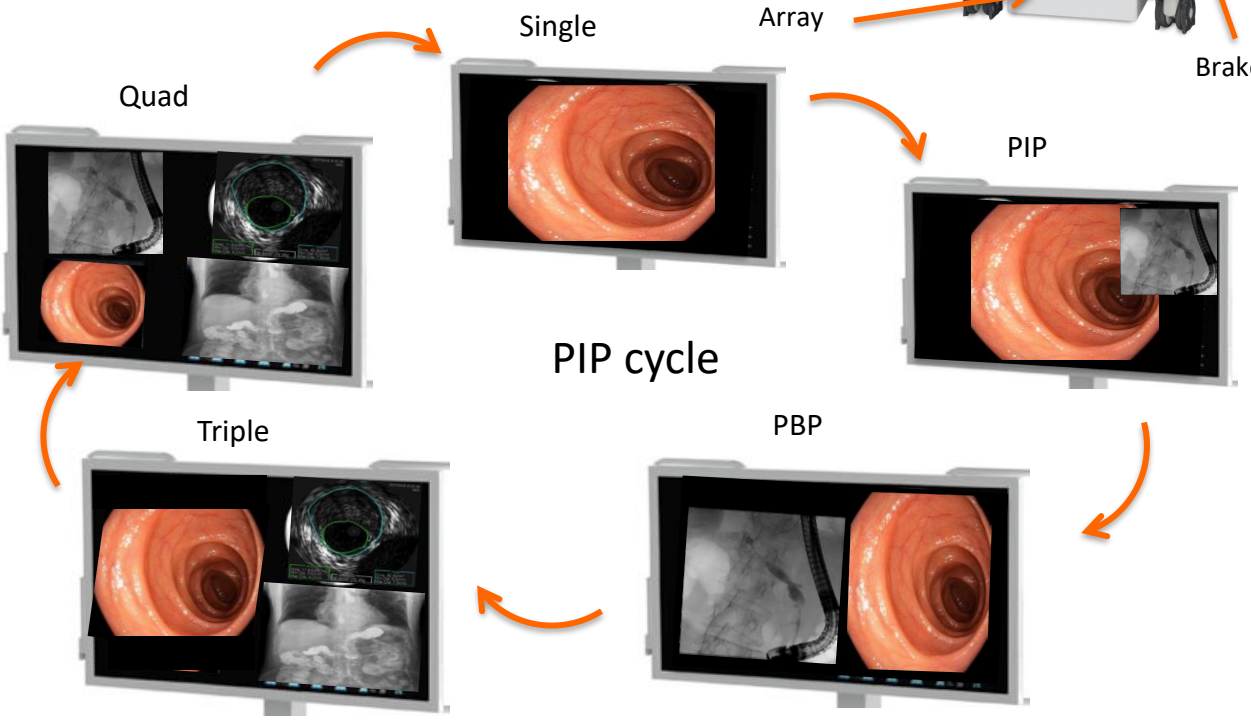
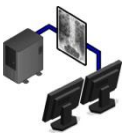


Image Local and Programing

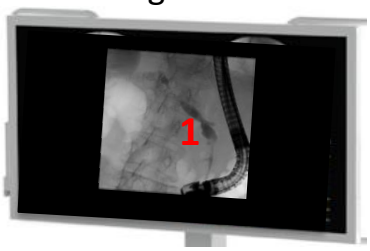
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Sources

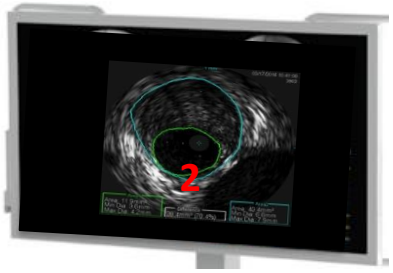


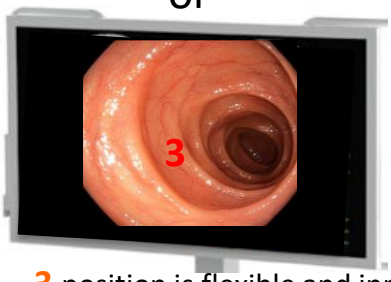

Single



or



or

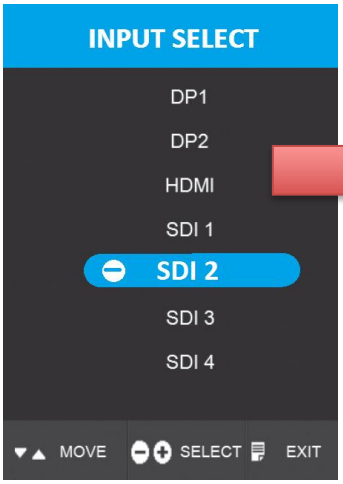


3 position is flexible and inputs selected via the IPS500A

or



From FSN out of box

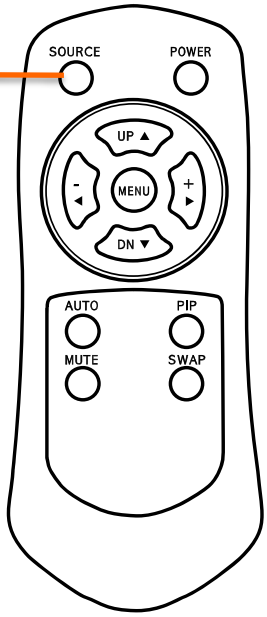


IDI, all configurations



To change Source

1. Press Source verify, green box is around correct window,. Press Source again to go to next window
2. Press down to get to desired input
3. Press "+"



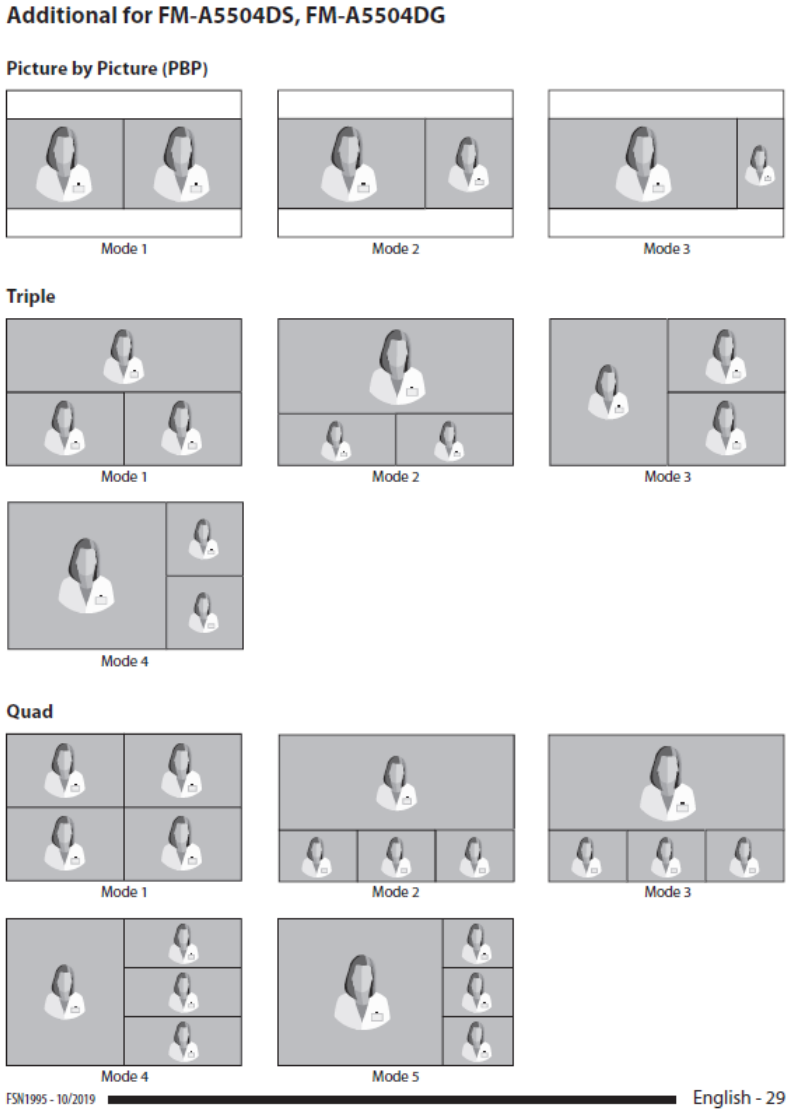
1. Selects the single image displayed and selects Monitors input configuration

2.The system is configured for DVI. Images will not display if DP, or SDI mode signals are selected (lower right corner pop up window

3. When in a PIP mode, swaps image pair from 1&3 to 2&4.

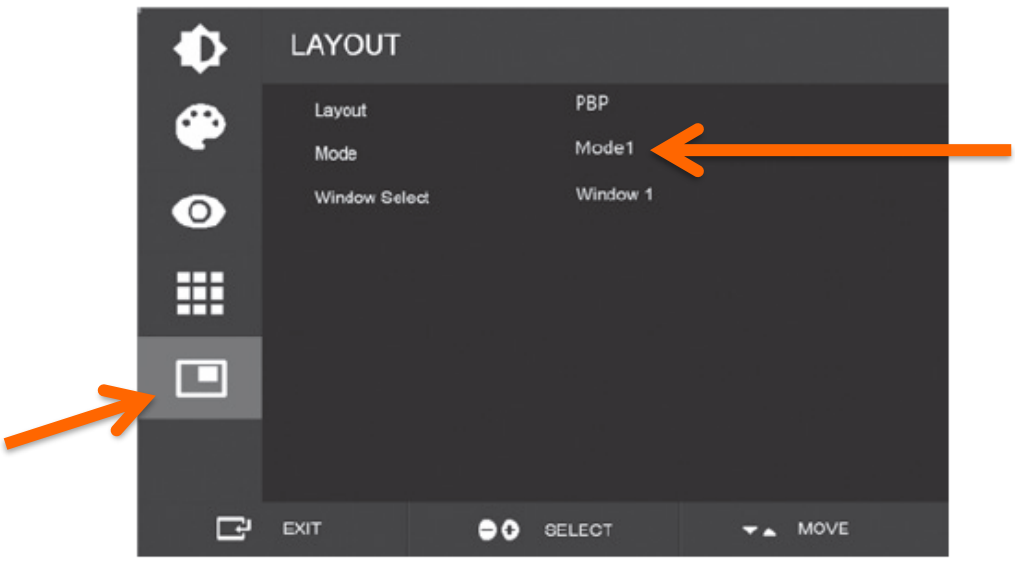
Selects the monitors PIP modes - single, PIP, PBP, Triple or quad view and back again

Mode Select
From FSN manual
Each of the PBP, Triple and Quad have available modes to modify the layout



To change mode

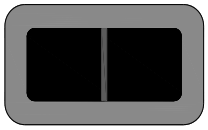
1. Press Menu
2. Press down to get to PIP(4th) icon
3. Press “+“
4. Press Down to select mode
5. Press “+” to change mode



Other ilex Feature Programing



Ilex System ON/OFF resetting the stands breaker. Note: the monitor has its own Master on/off switch (near power cord) that may need to to set to on.



The front toggle switch activates the column UP/Down.

Note: use this button to compress the shipping foam



Pressing the red emergency stop in **does not allow elevation**. Push this button in when relocating (shipping and intra-room) the ilex to ensure that the monitor will not change elevation. Reset by rotating the button a quarter turn.



The speaker system on the ilex can be direct connected (wire into the mic. connector) or wireless through the BT connection. Turn the power knob on and set the input select switch to **(BT)**.

When using the wireless option, look for the "PYLEUSA" pairing device on your source system. *If it doesn't appear automatically, press and hold the volume button for three seconds*. Once connected, adjust the volume to your desired level.

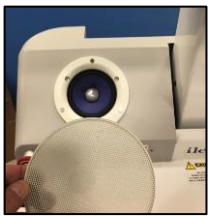


The ilex is equipped with a castor motion locking system for transport and clinical operation.

Free Float – The middle position of the castor locking pedal (horizontal to floor) allows for movement of the ilex in any horizontal direction.

Total Lock – Step down on the pedal's **red pad** to lock all horizontal movement of the ilex. Step down on the pedal's **green pad** to return to the Free Float position.

Steer Lock – Step down on the pedal's **green pad** to lock the steering direction of the 2 casters on the opposite side of the pedal. Step down on the pedal's **red pad** to return to the Free Float position.



Speaker covers are magnetic and can be easily removed for cleaning

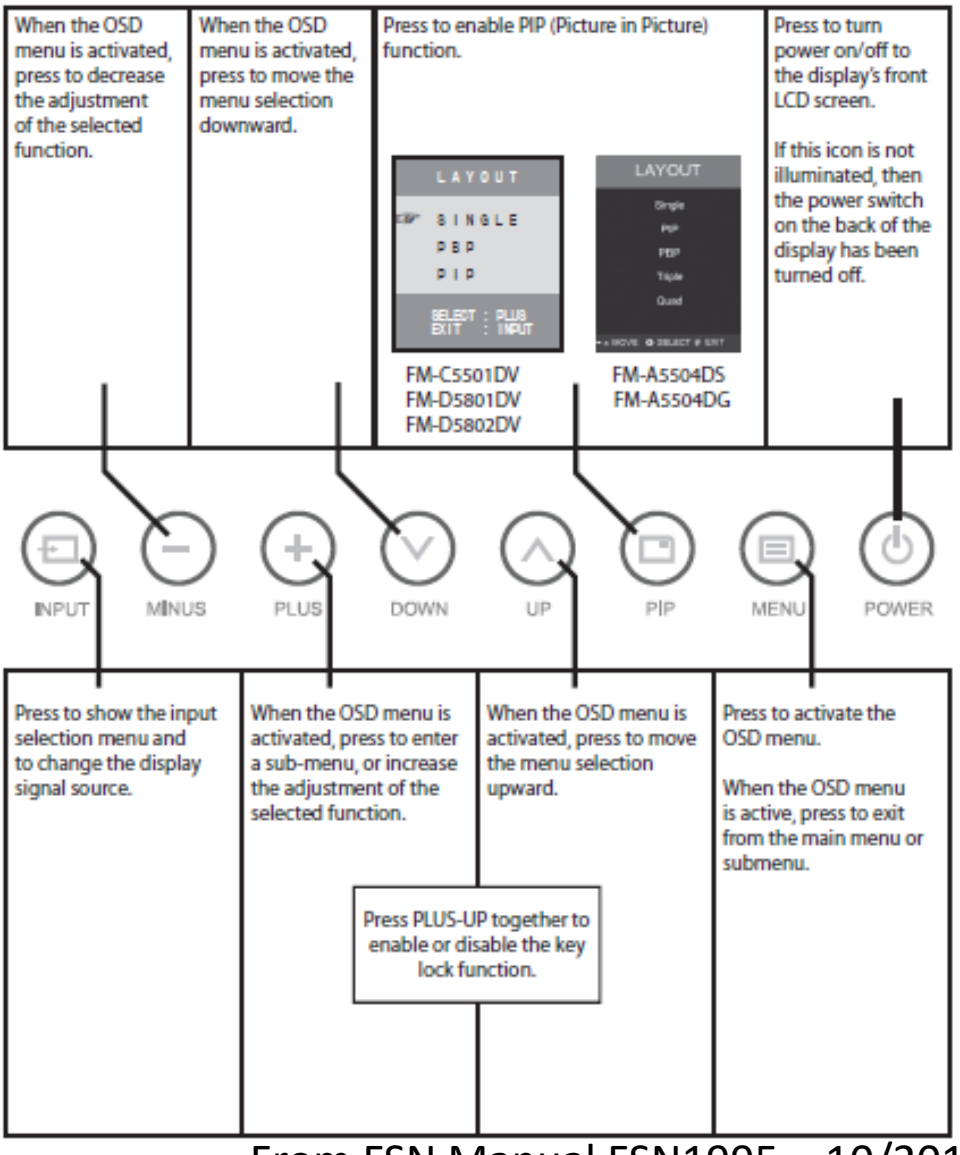
Monitor Menu Navigation



Menu Access Points
- Lower Right Side
- Remote Control

Controls
On Screen Display (OSD) Touchscreen

Touchscreen icons, located in bottom right corner of the LCD display, allows the user to make adjustments to various display parameters using the On Screen Display (OSD) system. Slightly touch any icon to activate all of the icons.



From FSN Manual FSN1995 – 10/2019

Monitor Set-up

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Image Diagnostics Inc.

FSN 55” 4K Monitor

After selecting a main menu category, press the + button to enter the associated submenus as shown below. Next, use the UP ∧ and Down ∨ buttons to navigate to the desired submenu, then adjust as needed with the + and - buttons. Select the MENU button to exit from the submenu or main menu.



Submenus under the PICTURE menu

1. BRIGHTNESS Increases or decrease the brightness. (Range : 0~100)
2. CONTRAST Increases or decreases the contrast. (Range : 0~100)
3. SATURATION Increases or decreases the saturation. (Range : 0~100)
4. HUE Increases or decreases the hue. (Range : 0~100)
5. SHARPNESS Increases or decreases the sharpness. (Range : 0~10)
6. VIVIDNESS Sets image vividness. (Off, Low, Mid, High) Enhances image quality with minimal artificial effects. Vividness function works when the video range set to 0~255.
7. VIDEO RANGE Select a video range setting. (0~255, 16~235, or AUTO) AUTO: automatically changes to 0~255 for RGB format, or to 16~235 for other formats.



Submenus under the COLOR menu

1. GAMMA Select the appropriate gamma. (BYPASS,1.8, 2.0, 2.2, 2.4, 2.6, DICOM).
2. COLOR SPACE Select the color space setting. (NATIVE, sRGB, BT.2020, or AUTO)
3. COLOR MODE Changes the image color setting. (C1, C2, C3, USER)
4. RED Red balance. (Only works with USER mode) (Range : 0~255)
5. GREEN Green balance. (Only works with USER mode) (Range : 0~255)
6. BLUE Blue balance. (Only works with USER mode) (Range : 0~255)



Submenus under the ADVANCED menu

1. ASPECT RATIO Changes aspect ratio of the displayed image. (Full, Auto, 4:3, 5:4, 16:9, 1:1)
2. OVER SCAN Adjusts the displayed size. (0~10)
3. IMAGE PRESET Changes image settings. (User preset 1~5)
4. FREEZE Keeps the image still.
5. ROTATE/MIRROR Changes the displayed image direction. (Normal, 90, 180, 270, H-Mirror, V-Mirror)
6. SMART INPUT Enables automatic switch to the backup source when main source is off.
7. SMART MAIN When smart input is on, current source is changed to main source.
8. SMART 2ND When smart input is on, backup source is set to 2nd source.



Submenus under the SETUP menu

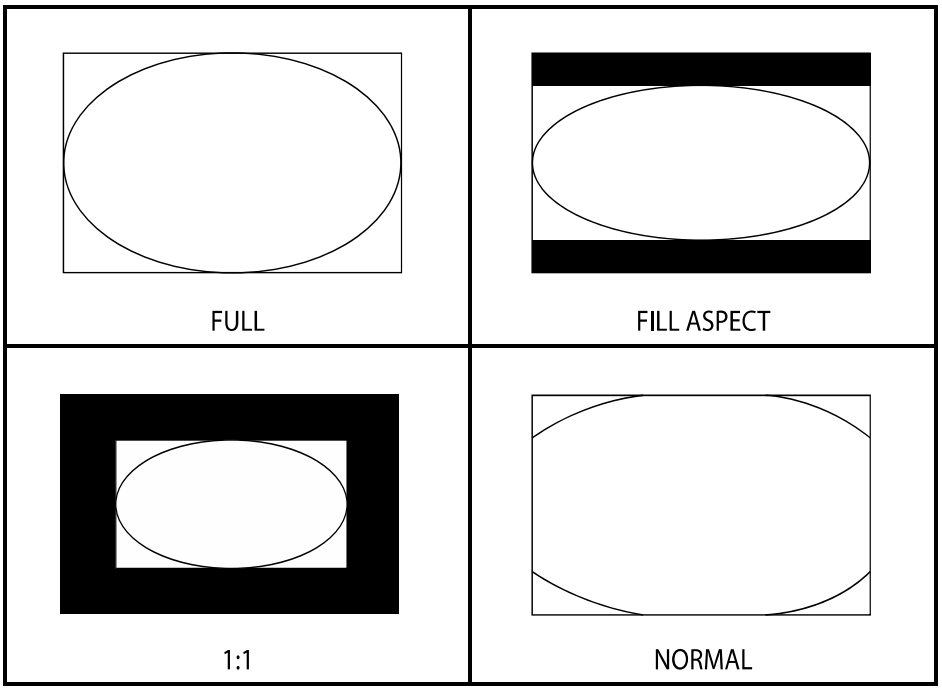
1. LANGUAGE Changes the OSD language. (10 languages)
2. OSD OVERLAY Adjusts the OSD transparency.
3. OSD POSITION Changes the OSD position. (9 Positions)
4. OSD MENU TIME Adjusts the length of time the OSD Menu is present on the screen. (range: 10~60 seconds)
5. OSD LOCK Sets the OSD lock. To unlock, press the DOWN and UP buttons.
6. BACKLIGHT Increases or decreases the backlight. (Range : 0~100)
7. BACKLIGHT MODE Changes the backlight control mode. Manual: backlight is controlled manually. Auto: Auto backlight control.
8. POWER ON DC5V Enables or disables the DC5V output.
9. RESET Changes all the OSD values to factory default.

From FSN Manual FSN1995 – 10/2019

Submenu Descriptions

Submenu	Function/Description
BRIGHTNESS	*Quick Adjust Method:* Press the UP ▲ or DOWN ▼ buttons. Or, select BRIGHTNESS submenu and adjust with the PLUS + and MINUS -. Setting the brightness too high or too low will decrease the amount of visible gray scales.
CONTRAST	*Quick Adjust Method:* Press the PLUS + or MINUS - buttons. Or, select CONTRAST submenu and adjust with the PLUS + and MINUS -. Setting the contrast too high or too low will cause loss of some gray scales.
BACKLIGHT	Adjust backlight dimming level. Setting the backlight too low will causes dark image and too high will decrease the backlight lifetime.
COLOR	Changes the richness of color (Range : Green 0~50, Red 0~50)
COLOR TEMP C1	Default 6500K color setting
COLOR TEMP C2	Default 9300K color setting
COLOR TEMP USER	Default 7200K color setting, value can be changed by user

IMAGE SIZE



Monitor Screen Cleaning Fluids

The following Monitor Screen Cleaners are tested and approved:
Using a non abrasive cloth

- Misty Clear Lemon 10 Disinfectant
- Bohle glass cleaner
- Zep Heavy-duty glass and surface cleaner
- Klear Screen
- Screen TFT (Kontakt Chemie)
- Incidin Foam (Ecolab)
- Microzid
- Mild detergent
- Isopropyl alcohol

Using other cleaners may result in chemically etched monitor screens or scratched front filters

Monitor and Bezel

Precautions

Do NOT use on front filter:

- Alcohol/solvents at higher concentration > 5%
- Strong alkalis, strong solvents
- Acid
- Detergents with fluoride
- Detergents with ammonia
- Detergents with abrasives
- Steel wool
- Sponge with abrasives
- Steel blades
- Cloth with steel thread

Cabinet

Proceed as follows:

- Clean the cabinet using a soft cotton cloth, lightly moistened with a recognized cleaning product for medical equipment.
- Repeat with water only.
- Wipe dry with a dry cloth.

The cabinet has been tested for resistance to the following products:

- Virex Ready-to-use Disinfectant Cleaner
- Misty Clear Lemon 10 Disinfectant
- Misty Multi-Purpose Disinfectant Cleaner
- Misty Multi-Purpose Disinfectant Cleaner II
- Zep Heavy-duty glass & all surface cleaner
- Klear Screen
- Screen TFT (Kontakt Chemie)
- Incidin Foam (Ecolab)
- Microzid
- Mild detergent
- Isopropyl alchohol with concentration < 5%
- Household bleach (generic sodium hypochlorite, solutions of 5.25% sodium hypochlorite diluted with water between 1:10 and 1:100)
- Precise Hospital Foam Cleaner Disinfectant