

4K Medical Video Image Processing

IPS4000 - Control OR 4K

Ultra high definition modular video matrix switcher and converter.

The next generation of medical image processing and control is here with IPS4000. FSN Medical Technologies has developed a powerful, yet compact, digital video integration solution that offers compatibility for today and beyond.

Key Features

- Up to 4096 x 2160 maximum resolution
- Configurable up to 16 inputs (4 cards), 32 outputs (8 cards)
- Input video formats: DisplayPort, HDMI, 12G-SDI, analog
- Output video formats: DisplayPort, HDMI, 12G-SDI
- Output layout options: single, dual (9 types), quad (9 types)
- Save and recall up to 10 user preset configurations
- 4 channel concurrent network streaming
- Image control: contrast, brightness, color, zoom, pan
- Built-in 7 inch diagonal touch screen
- Options for interface control via touchscreen or tablet

Controls

- Change output window layout
- Route a source to window of a destination
- Route a window to a source of a destination
- Change input icons, input color setting, input name
- Change output icons, output resolution setting, output name
- Change zoom/pan setup
- Save and recall a preset configuration
- Input and output parameters
- View settings for system, network, streaming, and firmware

HDMI
2.0

DisplayPort
1.2

12G SDI

Analog

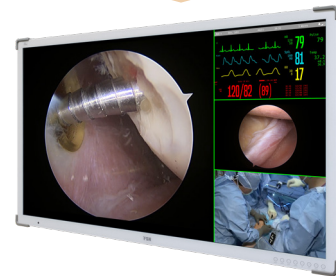
Input

Up to 4096 x 2160 resolution.
Save and recall custom user presets.
Configurable up to 16 inputs, 32 outputs.



Output

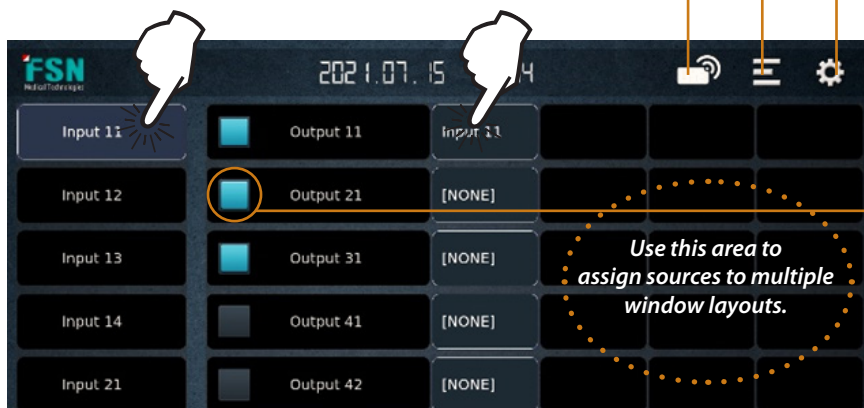
Single, dual, quad window layouts.
Concurrent 4 channel network streaming.
Control contrast, brightness, color, zoom, pan.



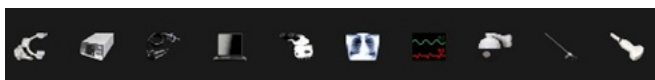
1. Touch a video source to select.

2. Touch a destination to route.

System Control Options
Streaming Presets Setup

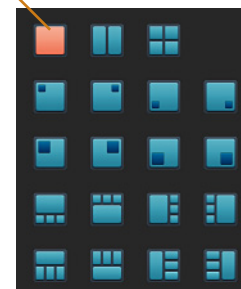


Add custom icons to sources or destinations.



Choose from a list of window layouts, including:

- PIP • PBP
- Quad • 1 large 3 small.



User Interface

In addition to the built-in 7 inch diagonal touch screen.



External touchscreen



Tablet



Custom GUI

www.fsnmed.com

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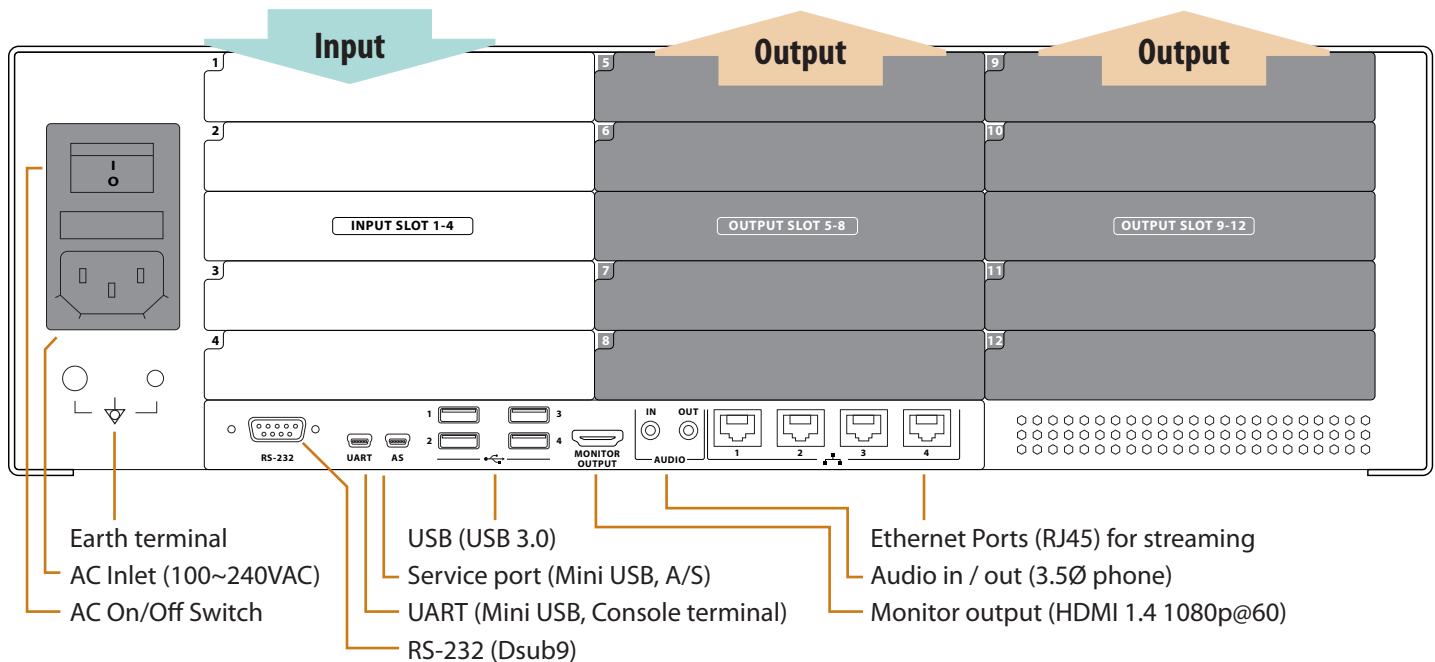


IPS4000 is designed for modular configuration. Various combinations of input and output cards can be assembled at the factory. Not all IPS4000 units will look the same. Following are descriptions of IPS4000 input and output cards and their unique functions.

HDMI quad input card. Name: HDIN	
DisplayPort quad input card. Name: DPIN	
Dual HDMI, dual DisplayPort input card. Name: DHIN	
Analog input card. Name: ANIN	
12G SDI input card. Name: SDIN	

HDMI quad output card. Name: HQOUT	
DisplayPort quad output card. Name: DQOUT	
HDMI (scalable)* output card. Name: HDOUT	
DisplayPort (scalable)* output card. Name: DPOUT	
12G SDI (scalable)* output card. Name: SDOUT	

* Scaled output. Adjustments available for resolution, window layout, zoom, pan functions. Example: 4 scaled output signals can be displayed on a single monitor.



General Features

Item	Description
Inputs	Configurable up to 16 (4 cards)
Outputs	Configurable up to 32 (8 cards)
Serial communication	RS-232C
Network	Ethernet TCP/IP
On Screen Display	English. Built-in 7 inch diagonal touch screen, or external screen via web, tablet or PC.
Power	AC 100~240V / 50~60Hz, 2A-1A
Unit Dimension	437(W) x 140(H) x 423(D) mm 17.21(W) x 5.51(H) x 16.65(D) inch

Item	Description
Package Dimension	520 (W) x 237 (H) x 592 (D) 20.47 (W) x 9.33 (H) x 23.31 (D)
Weight	10.7 kg, 23.59 lbs. (IPS4000) 14 kg, 30.86 lbs. (shipping package)
Compliance & Certifications	ANSI/AAMI ES60601-1, CAN/CSA-C22.2 NO.60601-1:14, IEC/EN60601-1, FCC Part 15 subpart B, CE(EN60601-1-2,EN55011,EN61000-3-2/3), RoHS