

4K Medical Video Image Processing

IPS4000 Rev.02 - Control OR 4K

Ultra high definition modular video matrix switcher and converter.

Continued innovations in medical image processing and control are here with IPS4000 Rev.02. FSN Medical Technologies has developed a powerful, yet compact, digital video integration solution that offers broad compatibility.

Key Features

- **NEW** Active signal detection
 - **NEW** HDR video support
 - **NEW** Streaming with 2-way audio using WebRTC protocol
 - **NEW** Video over IP using SFP+
- Integrate IPS4000 Rev02 with other FSN products using SFP+ (FM-E3250DN monitors and the VyNet3 series), as well as any SDVoE-compatible VoIP system. IPS4000 can also be integrated with third-party control systems via REST API.
- Up to 4096 x 2160 maximum resolution
 - Output layout options: single, dual (9 types), quad (9 types)
 - Save and recall up to 10 user preset configurations
 - 2 channel concurrent network streaming
 - Image control: contrast, brightness, color, zoom, pan
 - Options for interface control via touchscreen or tablet

Controls

- Change output window layout
- Route source to destination, or destination to source
- 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
- View settings for system, network, streaming, and firmware

1. Touch a video source to select. **2. Touch a destination to route.** **System Control Options**
Presets Setup

Internal Dashboard GUI

Choose from a list of window layouts, including:

- PIP • PBP
- Quad • 1 large 3 small.

HDMI 2.0 **DisplayPort** 1.2 **12G SDI** **Analog**

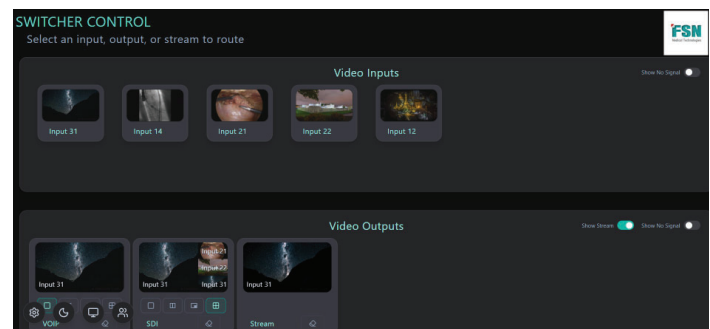
Input

Up to 4096 x 2160 resolution.
Save and recall custom user presets.



Output

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



Web GUI



Tablet



External touchscreen

fsnmed.com

Foreseeson Custom Displays, Inc.
2210 E. Winston Road
Anaheim, CA 92806 USA
Tel: 714-300-0540
Fax: 714-300-0546

Latin America
Aventura, FL 33180 USA
Tel: 714-507-3855

Foreseeson Korea
B-408, U-Space2
670 Daewangpangyo-ro,
Bundang-gu, Seongnam-si
Gyeonggi-do, Republic of Korea
Tel: +82-31-8017-0780

Foreseeson GmbH
Industriestrasse 38a
63150 Heusenstamm, Germany
Tel: +49 6104 64398 0
Fax: +49 6104 64398 11

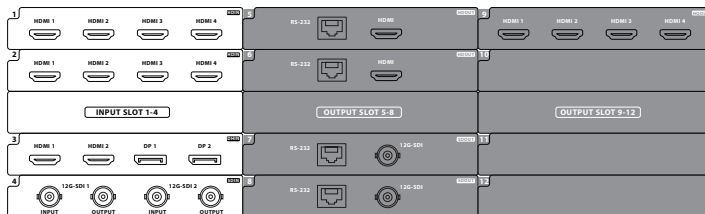
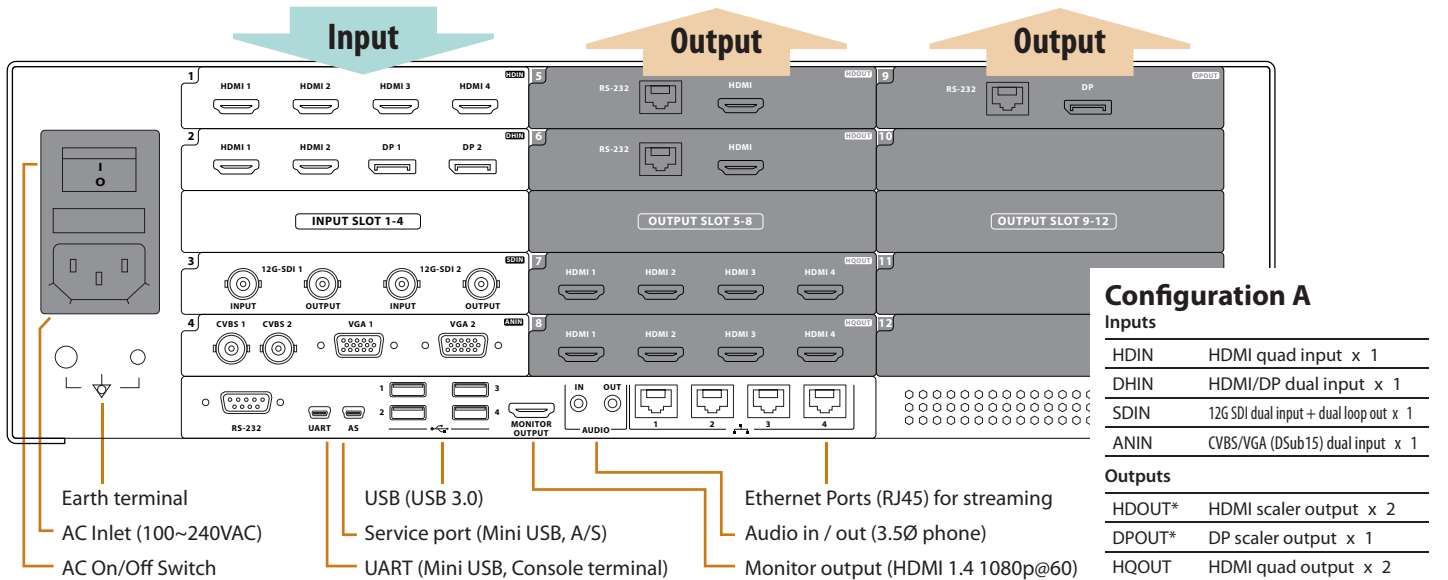
Foreseeson UK Ltd.
1 Wolsey Road
East Molesay
Surrey
KT8 9EL
United Kingdom
Tel: +44 (0) 208 546 1047

Foreseeson (Shanghai)
Medical Equipment Co., Ltd.
Room 1010, Building A
1439 Wuzhong Road
Rhein Hongjing Center
Minhang District, Shanghai, China
Tel: 18521095596

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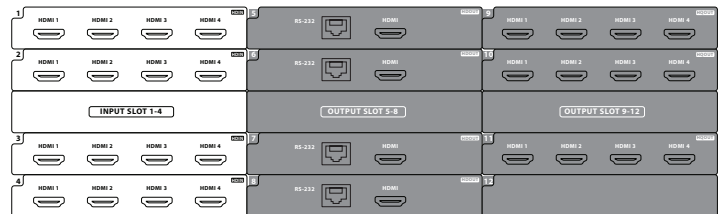
Configuration B

Inputs

HDIN	HDMI quad input x 2
DHIN	HDMI/DP dual input x 1
SDIN	12G SDI dual input + dual loop out x 1

Outputs

HDOU*	HDMI scaler output x 2
SDOUT*	12G SDI scaler output x 2
HQOUT	HDMI quad output x 1



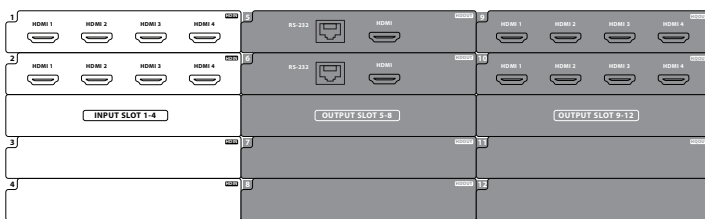
Configuration C

Inputs

HDIN	HDMI quad input x 4
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Outputs

HDOU*	HDMI scaler output x 4
HQOUT	HDMI quad output x 3



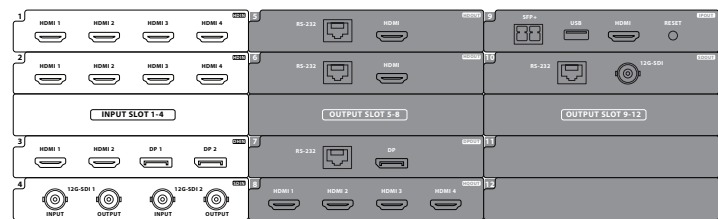
Configuration D

Inputs

HDIN	HDMI quad input x 2
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Outputs

HDOU*	HDMI scaler output x 2
HQOUT	HDMI quad output x 2



Configuration E

Inputs

HDIN	HDMI quad input x 2
DHIN	HDMI/DP dual input x 1
SDIN	12G SDI dual input + dual loop out x 1

Outputs

HDOU*	HDMI scaler output x 2
DPOUT*	DP scaler output x 1
HQOUT	HDMI quad output x 1
IPOUT*	VoIP scaler output x 1
SDOUT*	12G SDI scaler output x 1

* 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
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(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDR(EU) 2017/745 Class I Medical Device