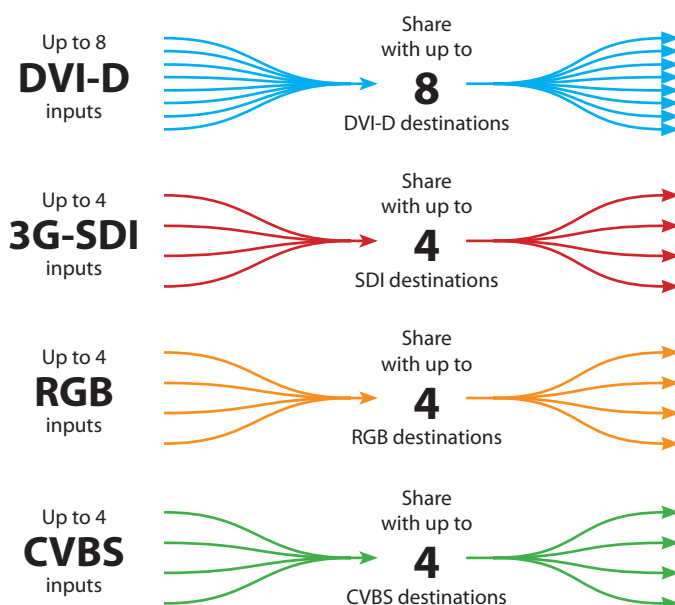# Medical Video Matrix Switcher

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 preview 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.

Up to 8 **DVI-D** inputs — Share with up to **8** DVI-D destinations

Up to 4 **3G-SDI** inputs — Share with up to **4** SDI destinations

Up to 4 **RGB** inputs — Share with up to **4** RGB destinations

Up to 4 **CVBS** inputs — Share with up to **4** CVBS destinations

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.
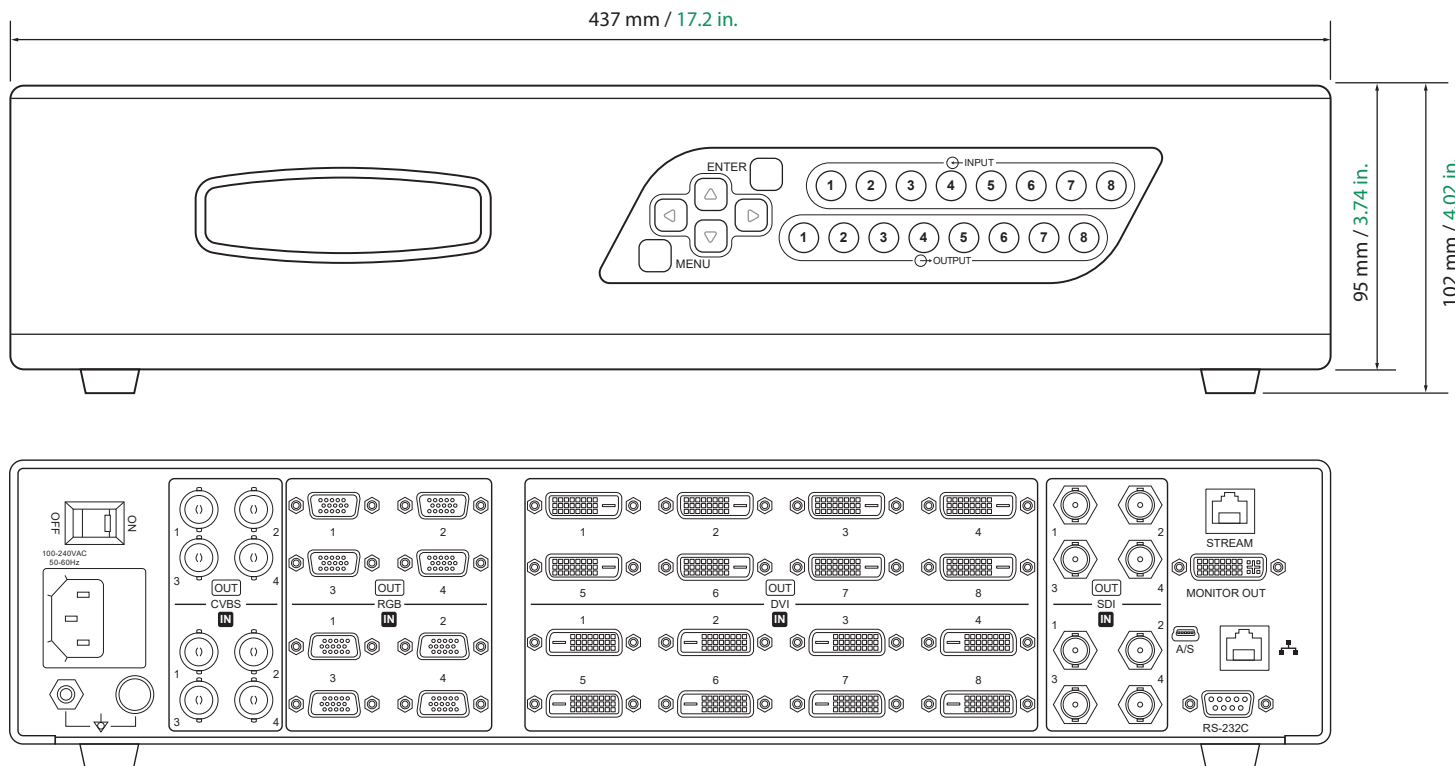
Specifications

General Features

Item		Description
Matrix*	CVBS	4 x 4 Matrix
	SDI	4 x 4 Matrix
	Analog RGB	4 x 4 Matrix
	DVI	8 x 8 Matrix
Inputs	CVBS	BNC x 4ea, 75Ω, Composite Video , NTSC/PAL
	SDI	BNC x 4ea, 75Ω, up to 3G-SDI
	Analog RGB	RGB (DSUB15) x 4ea, Component with separate cables
	DVI	DVI-D (Single link) x 8ea
Outputs	CVBS	BNC x 4ea, 75Ω, Composite Video , NTSC/PAL
	SDI	BNC x 4ea, 75Ω, up to 3G SDI
	Analog RGB	RGB (DSUB15) x 4ea, Component with separate cables
	DVI	DVI-D (Single link) x 8ea

* 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 preview 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

437 mm / 17.2 in.

95 mm / 3.74 in.

102 mm / 4.02 in.

Specifications are subject to change with or without notice.   Doc. # FSN1976   Rev. 10/16

www.fsnmed.com

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

San Jose, CA   Tel: 714-507-3851

Fort Lee, NJ   Tel: 714-507-3852

Foreseeson Korea
404B, Pangyoinnovalley B
253 Pangyo-ro
Bundang-gu Seongnam-si
Gyeonggi-do, Korea 463-400
Tel: +82-31-8018-0780
Fax: +82-31-8018-0786

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

Foreseeson UK Ltd.
Unit 71 Barwell Business Park
Leatherhead Road
Chessington, Surrey KT9 2NY
Tel: +44 (0) 208 546 1047

**Foreseeson (Shanghai)
Medical Equipment Co., Ltd.**
Room 307, 3F
No. 56, 461 Hongcao Road
Caohejing Development District
Xuhui, Shanghai 200233
Tel: 86-21-6113-4188