

GENERAL SPECIFICATIONS

Power Requirements	110 - 220 Volts AC +/- 10%, 50-60 Hz
Dimensions (W x H x D)	15 x 3.5 x 15.5 inches (394 x 46 x 391 mm)
Weight	10 lbs (4.5 Kg)
Temperature	Operating: 0 to +40°C (+32 to +104°F) Storage: -20 to +50°C (-4 to +122°F)
Humidity	Operating: 20 – 85% RH, Storage: 5 – 85% RH
Power Outputs	1 x DC Power (24 VDC), for displays up to 32"
Mounting	Surgical Cart, Equip. Boom, or 19" Rackmount
Control Interface	Front Touch-Screen Panel or RS-232 Interface
Compatible Displays	NDSsi Radiance®, EndoVue™, and Other Displays

CUSTOM INPUT NAMES & SYSTEM PRESETS - SAVE TO USB

Customizable Input Names	Inputs Can be Renamed Using Front Touch Panel
9 Available System Presets	Easily Store/Recall All User-Definable Settings
USB Storage Device Port	Save/Recall All System Presets via USB Storage

HD VIDEO STREAMING OVER ETHERNET

Using the front touch panel, users can define, custom name, and save up to 9 remote IP addresses from which HD streams can be sent to or received from.

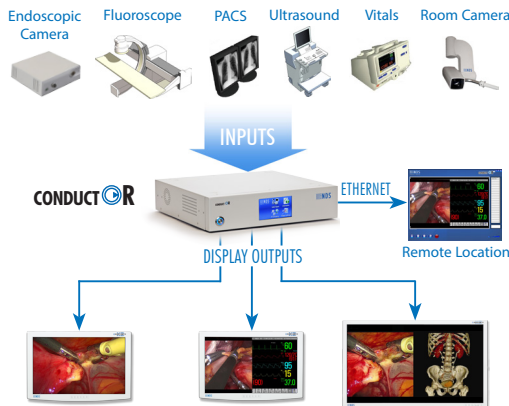
TELEMEDICINE CONNECTIVITY

Ethernet Hub	RJ45, 10/100 Network Hub (1-in, 1-out)
Full-Duplex Analog Audio	3.5 mm Phono Jack (1-in, 1-out)
Streaming Protocol	RTSP, H.264 Video Compression
Receiving Options/Features	Box-To-Box Streaming and View & Record on a PC

STREAMING RESOLUTIONS AVERAGE BITRATE & LATENCY

1920 x 1080i, 60 Hz (HD)	8 Mb/s, 500 ms
1280 x 720p, 30 Hz (HD)	6 Mb/s, 500 ms
720 x 480p, 60 Hz (SD)	3 Mb/s, 500 ms

CONNECTIVITY DIAGRAM



INPUT MODULES

- 90T1005 - DVI-D Input Module
- 90T1007 - 3G-SDI Input Module
- 90T1014 - VGA / RGBs / SoG / YPbPr
- 90T1015 - Composite / S-Video

OUTPUT MODULES

- 90T1006 - DVI-D Output Module
- 90T1008 - 3G-SDI Output Module
- 90T1009 - 4-Fiber Output Module
- 90T0007 - ConductOR Base Unit



8 INPUT, 3 FULL MMI OUTPUT MATRIX ROUTER

Number of Outputs	3 Independent, 2 Clones (1 Selectable)
Full MMI Output Capabilities	PIP or Split-Screen of Any 2 Sources on Each Output

FIXED VIDEO INPUTS

DVI / HD-RGBS / YP _b P _r	1
VGA / SOG	1
S-Video A / Composite A	1
S-Video B / Composite B	1

CONNECTIVITY

Digital DVI-I, Analog DVI-I 0.7 Vp-p ± 6db, 75 Ω	1
HD-15, 0.7 Vp-p ± 6db, 75 Ω	1
DIN-4, 0.7 Vp-p +6/-3db 75 Ω / BNC 75 Ω	2
DIN-4, 0.7 Vp-p +6/-3db 75 Ω / BNC 75 Ω	2

FIXED VIDEO OUTPUT (Selectable Clone Of Output Slot 1, 2, or 3)

DVI	DVI-D (same resolution as selected output slot)
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MODULAR INPUT SLOTS

Digital Input Slot 1	3G-SDI*, DVI-D, VGA, Composite / S-Video
Digital Input Slot 2	3G-SDI*, DVI-D, VGA, Composite / S-Video
Digital Input Slot 3	3G-SDI*, DVI-D, VGA, Composite / S-Video
Digital Input Slot 4	3G-SDI*, DVI-D, VGA, Composite / S-Video

INPUT MODULE TYPES

MODULAR OUTPUT SLOTS

Output Slot 1	3G-SDI**, 4-Fiber, DVI-D
Output Slot 2	3G-SDI**, 4-Fiber, DVI-D
Output Slot 3	3G-SDI**, 4-Fiber, DVI-D
Output Slot 4 (Clone of Slot 3)	3G-SDI**, 4-Fiber, DVI-D

OUTPUT MODULE TYPES

CONTROL INPUTS

Serial Control Interface	D-sub 9pin, RS-232C (1-in, 1-out)
ND-OS	Mini-USB, Firmware Update Port

* 3G-SDI inputs also accept 1080i, 720p, 480i, and 576i signals.

** 3G-SDI outputs can be configured to use standard HD-SDI format (1080i or 720p).

COMPLIANCE & CERTIFICATIONS

ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, Conflict Minerals FCC Part 15, EN60601-1, EN60601-1-2, CE, MDD 93/42/EEC, 2007/47/EC, REACH, RoHS-2, WEEE, Class I Medical Device, CQC

MULTI-MODALITY INPUT COMBINATIONS

PRIMARY INPUT	SECONDARY INPUT										
	DVI	VGA	HD-RGBS	HD-YP _b P _r	YC/Comp A	SOG	YC/Comp B	Slot 1	Slot 2	Slot 3	Slot 4
DVI	•	•	N/A	N/A	•	•	•	•	•	•	•
VGA	•	•	•	•	•	N/A	•	•	•	•	•
HD-RGBS	N/A	•	•	•	•	•	•	•	•	•	•
HD-YP _b P _r	N/A	•	•	•	•	•	•	•	•	•	•
YC/Comp A	•	•	•	•	•	•	•	•	•	•	•
SOG	•	N/A	•	•	•	•	•	•	•	•	•
YC/Comp B	•	•	•	•	•	•	•	•	•	•	•
Slot 1	•	•	•	•	•	•	•	•	•	•	•
Slot 2	•	•	•	•	•	•	•	•	•	•	•
Slot 3	•	•	•	•	•	•	•	•	•	•	•
Slot 4	•	•	•	•	•	•	•	•	•	•	•



ISO 9001:2008 and ISO 13485:2003;
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Global Headquarters

www.ndssi.com
5750 Hellyer Ave
San Jose, CA 95138
USA
+1 408 776 0085
info@ndssi.com

Europe

Novanta Europe GmbH
Münchner Strasse 2A
82152 Planegg
Germany
+49 89 31 707 100
info.novanta-europe@novanta.com

Asia Pacific

Novanta Japan
East Square Omori
6-20-14 Minamioi, Shinagawa-ku
Tokyo 140-0013
Japan
+81 3 5753 2466
info@ndssi.jp

Oriental Media Center
Suite 2302, Tower C
No.4, Guang Hua Road
Chao Yang District
Beijing, 100026
China
+86 10 8559 7859
info@ndssi.com.cn