Evolution4K™ IP

- **Powerful and Compact:** *The compact system design and state-of-the-art imaging technology offers the latest functionality for integrated operating rooms and allows flexibility in placement of the system.*

- **4K IP based System:** *Routing, recording, streaming and more.*

- **Clinical Workflow:** *Improve the workflow by presets per discipline or surgeons, fast patient identification and immediate information access.*

- **Impactful Solution:** *From off-the-shelf systems to private labeled and custom OEM designs, the system allows our partners to create a unique solution that is truly their own.*

A COMPLETE DIGITAL OR CONTROLLER IN A SINGLE BOX

Simple, Effective and Powerful; the Evolution4K IP brings advanced medical recording features and 4K video over IP routing functionality into the operating room and ambulatory surgery centers. The system is a safe, reliable and high performing digital OR media management system with a small footprint.

This low cost and feature rich medical device includes 4K surgical video and image routing, recording, streaming as well as integration into Hospital Information Systems – all simultaneously.

The Evolution4K IP allows the users to download a DICOM Modality Worklist or manually enter patient data, is SDVoE compliant, captures videos and images in 4K, routes HD and 4K/UHD video from imaging or monitoring devices to multiple displays in the OR or to external locations.

After the procedure, the physician can play back any video footage, review images, print or store data to external USB hard drives, flash drives or network attached storages.

Evolution 4K IP integrates and operates the camera trigger buttons.

TECHNICAL SPECIFICATIONS

SUPPORTED VIDEO RESOLUTIONS

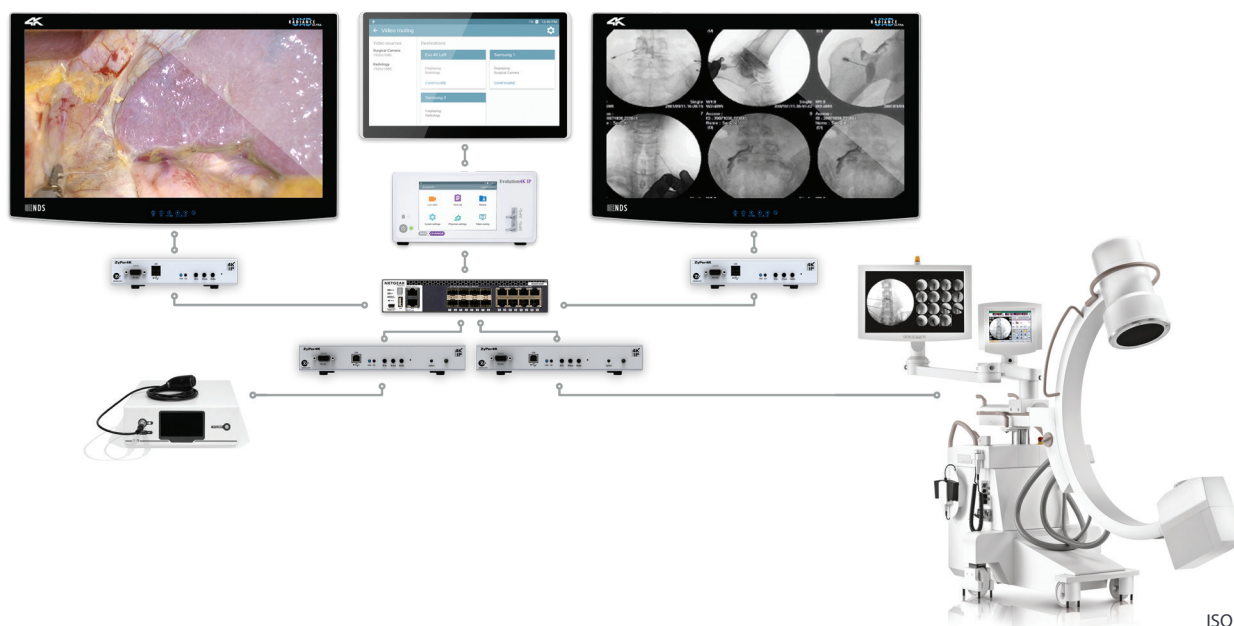|	
4K & 4K UHD	4096x2160p & 3840x2160p: 50/60Hz
Typical HD	1080p, 1080i, 720p
4K/UHD Hz	60, 50, 30, 25, 24
1080p Hz	60, 50, 30, 25, 24
1080i Hz	60, 50
720p Hz	60, 50
Others	1920x1200p, 1280x1024p, 1280x960p, 1024x768p, 800x600p, 640x480p

GENERAL

Video Encoding	AVCHD H.264 encoding .mp4 file format
Operating System	Embedded Linux
Hard Drive Capacity	1TB
Input Power	AC: 100–240Vac, 1.3~0.6A, 50/60Hz power DC: 12V , 6.67A
Ethernet	10/100/1000 RJ45
CMOS Battery	CR 2032
Service Life	15 Years
Dimensions (W x H x D)	205.0mm x 105.6mm x 214.1mm
Display Weight	2.72 kgs (6lbs)

ACCESSORIES

Included Accessories	User manual download card, medical grade power cable, AC/DC converter, Mini USB keyboard

CHASSIS CONNECTIVITY

Video Inputs	SDVoE	Copper RJ45 SDVoE (10 Gbps)
Video Outputs	Internal Display	Primary GUI
	DisplayPort++	Secondary GUI*
	HDMI	Secondary GUI*
	VGA	Secondary GUI*
	HDMI 2.0	Live Passthrough Video

two utilized at a time

REGULATORY COMPLIANCE

ANSI/AAMI ES60601-1, CAN/CSA C22.2 No. 60601-1, EN60601-1, EN60601-1-2, CE, MDR 2017/745, Class I Medical Device, designed to meet IPX0

ORDERING INFORMATION

EVO4K600	Evolution4K IP

CONTACT INFORMATION

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INPUT/OUTPUT CONNECTION OPTIONS

The device works within the video over IP standard of SDVoE and is natively compatible with the SDVoE eco-system of encoders and decoders (information on compatible medical grade SDVoE encoders and decoders and IP switches is available from the 4 Medical IT Alliance members website www.4medicalit.com).

ISO 13485 Certified
Med X Change Quality System
U5031-36, 2.0
NDS Quality System
Document 72S0008 Rev. B

NDS
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