

Surgery Workstation

MEDICAL VIDEO STATION
RECORDING HIGH QUALITY
HD INTO DICOM



FANLESS PC + TOUCHSCREEN IN COMPLETELY ENCLOSED PANEL



RECORDING HD
VIDEO DURING
THE SURGERY



REVIEWING MEDICAL
IMAGES AND
DIAGNOSTIC REPORTS



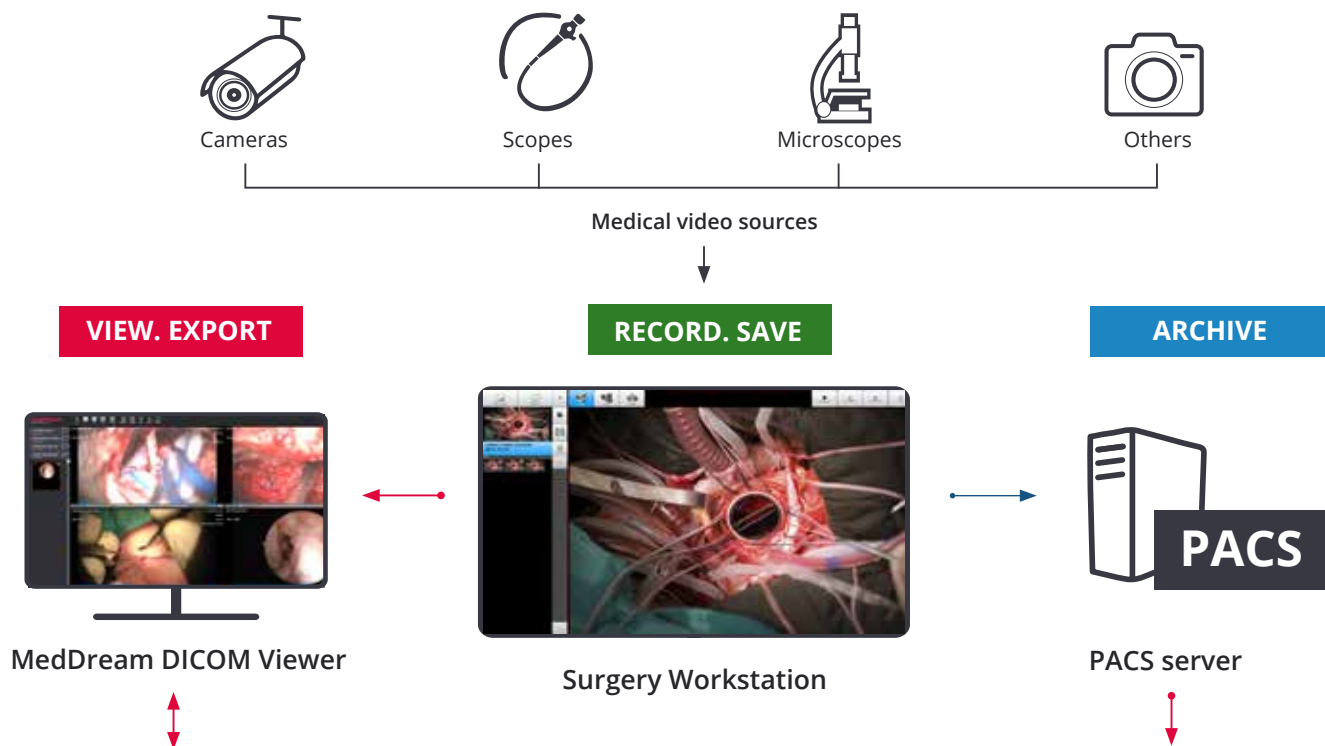
FULL
INTEGRATION
WITH HIS



FULL
INTEGRATION
WITH PACS

 Softneta

Workflow with Surgery Workstation



Surgery Workstation features:

Main features:

- High quality HD recording into DICOM by using MPEG-4 AVC / H.264 compression;
- Intuitive user interface for touchscreen Medical Panel PC;
- Recording HD video during the surgery;
- Playing another video at the same time, while recording medical video;
- Taking snapshots during recording;
- Live streaming during the surgery;
- Reviewing medical images and diagnostic reports in operating room.

Customization:

- Custom video settings;
- Multi language support;
- Additional foot pedal support.

Integration:

- Full integration with Hospital Information System (HIS);
- Full integration with Hospital Medical Image Archive (PACS);
- Saving studies locally or to PACS server;
- Modality worklist support.

Surgery Workstation is fully compatible with devices:

Panasonic

OLYMPUS
Your Vision, Our Future

STORZ
KARL STORZ – ENDOSCOPE

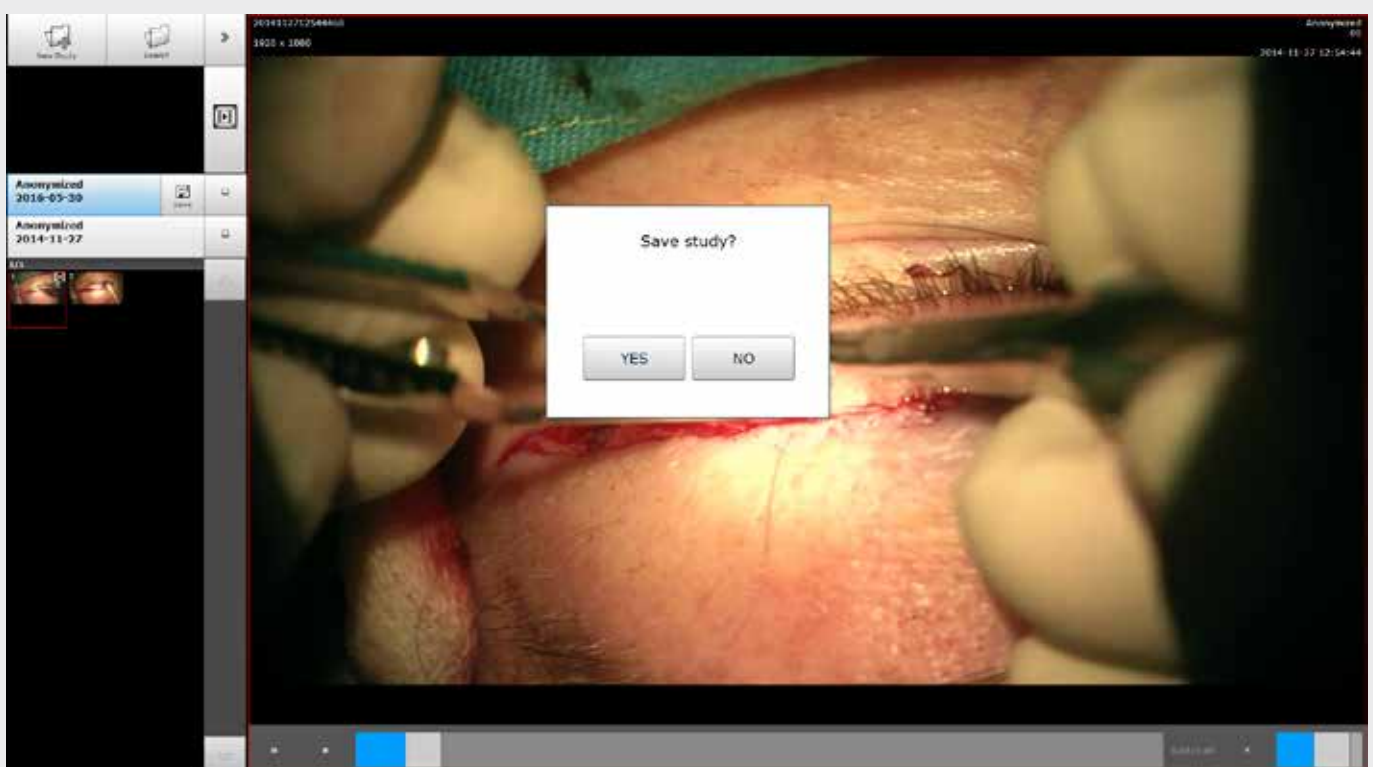
ZEISS

Leica
MICROSYSTEMS

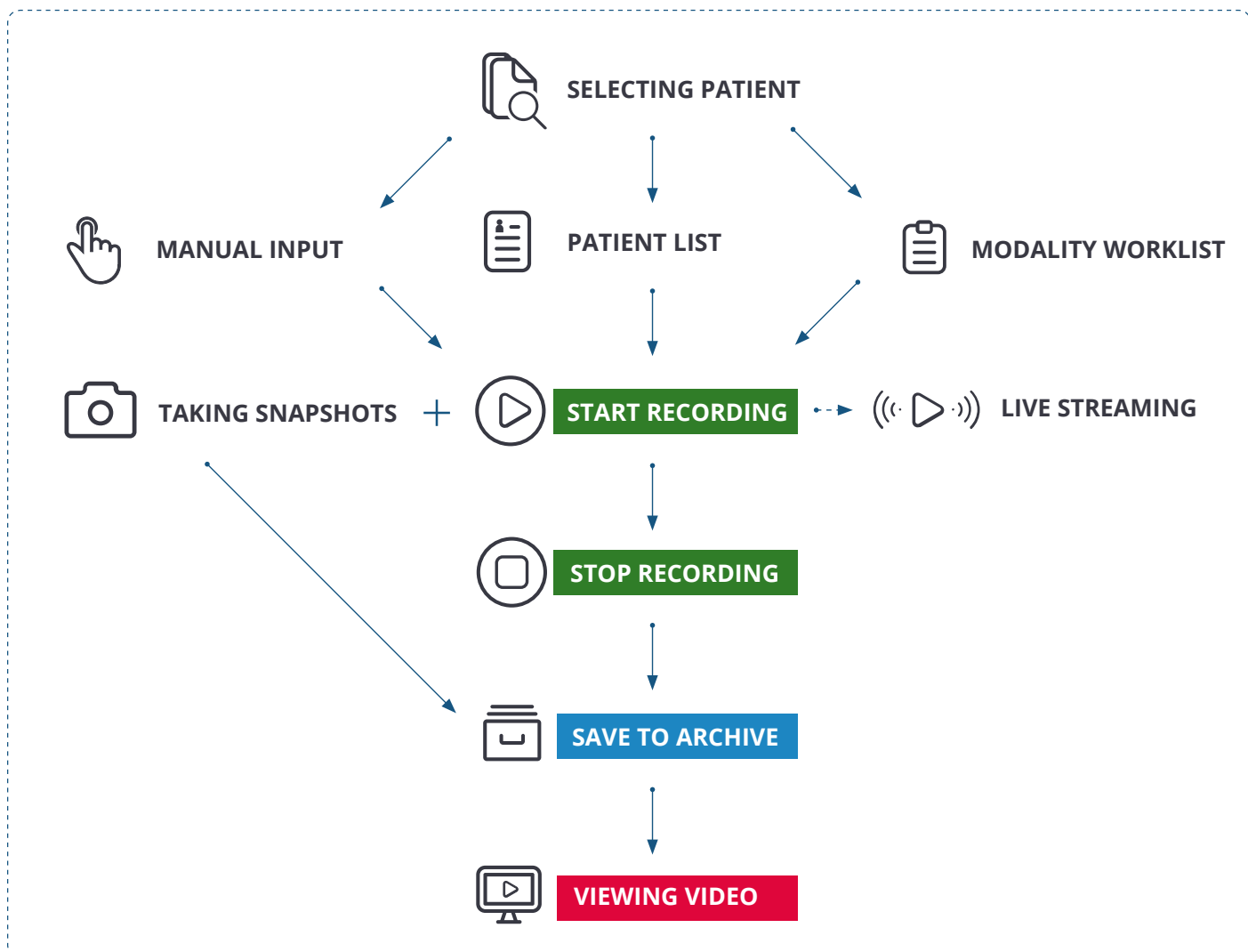
and **medical video sources:**

- Cameras;
- Scopes (endoscopes, arthroscopes etc.);
- Microscopes;
- and others.

Other parties logotypes, which ownerships belongs to: Panasonic Corporation, Olympus Corporation, KARL STORZ GmbH & Co. KG, Carl Zeiss AG, Leica Microsystems GmbH are not authorized by, sponsored by, or associated with Surgery Workstation trademark owner.



Workflow with Surgery Workstation



Patient ID:	P1-003	Clear	Patient List	Worklist	2016-07-06	Today	Yesterday
Patient Last Name:	Anonymized	Patient ID	16-18511	Name	Anonymized	Sex	M
First Name:	Anonymized					Birthdate	1991-10-06
Patient Sex:	Male		0	Anonymized		M	1997-07-15
Patient Date Of Birth:	1997-07-15		56235844	Anonymized		F	1986-12-21
			123456	Anonymized		M	1991-07-18

Patient ID	Study ID	Mod	Description	Date Time
12311449	201412041	OT	Anonymized	2014-12-04 15:52:05
12314847	20141204	OT	Anonymized	2014-12-04 15:43:24
12314847	20141204	OT	Anonymized	2014-12-04 15:43:24
12314847	20141204	OT	Anonymized	2014-12-04 15:43:24
12314847	20141204	OT	Anonymized	2014-12-04 15:43:24
12312347	201412041	OT	Anonymized	2014-12-04 15:37:54
12312347	20141204	OT	Anonymized	2014-12-04 15:37:54
12312347	20141204	OT	Anonymized	2014-12-04 15:37:54
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12312347	20141204	OT	Anonymized	2014-12-04 15:37:54
12312347	20141204	OT	Anonymized	2014-12-04 15:37:54
12312347	20141204	OT	Anonymized	2014-12-04 15:37:54

Buttons: Preview Video, Record Video, OK, Cancel

ALL-IN-ONE solution: Surgery Workstation Software + Medical Panel PC



Ultra slim and completely enclosed panel-PC.

Cooling system with fanless and hygienic design

Hardware technical Specification

DISPLAY

Display type	21,5" (54,52 cm) TFT - with all-round viewing angle
Resolution	1920 x 1080 pixels
Brightness	250 cd/m²
Contrast	1000:1
Viewing angle	(H/V) 178° / 178°
Touchscreen	Projected capacitive

MAIN SYSTEM

CPU	Intel® Core™ i5 up to 3.0 GHz
Chipset	Intel® Skylake
System memory	RAM 4 GB
Storage	500 GB SATA HDD
Onboard graphics	Intel® HD Graphics GT-Series

POWER SUPPLY

power supply unit	100-240V/ 50/60Hz/ 80W internal
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PHYSICAL

Dimensions (WxHxD)	530 x 376 x 60 mm
Weight (net/gross)	9.6 kg
Power supply unit	100-240V/ 50/60Hz/ 80W internal

MOUNTING

built-in VESA-100 interface	Extensive mounting solutions: Wall Mount, Stationary stand, Mounting Arm (trolley, on wall, on ceiling, etc.)
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DESCRIPTION

Design	for permanent 24/7 operations
Housing	compact lightweight metal design
Cooling	fanless
Cleaning	wiping all exterior surfaces with commercially available disinfectants

ENVIRONMENTAL

Operation temperature	stored: 0 to +60°C in operation: +5 to +35°C
Relative humidity	stored: 5% to 95% in operation: 10% to 80%, non-condensing

SOFTWARE

Operating system	Windows 8 Pro 64 bit
Recording software	SOFTNETA Surgery Workstation Software
Languages	Multi languages support (English, German, Spanish, French, Russian, Finnish, Swedish, Lithuanian)

RECORDING

Internal HDD	500 GB
Compression	H.264 (MP@L3 / HP@L4.1)

VIDEO INPUTS

HD DVI HDMI	DVI, HDMI
HD-SDI, SD-SDI	SDI
S-Video	Mini-DIN
Composite (CVBS)	BNC

SUPPORTED FORMATS

HD / Analog	HD up to 1080P60 / PAL, NTSC
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OTHER INTERFACES

USB	2X USB 2.0, 2X USB 3.0
Network	1 X LAN 10 / 100 / 1000 MBIT WITH RJ45
Remote	1 X RS-232
External monitor connection	2 X HDMI

DICOM COMPLIANCE

Video transfer syntax	MPEG-4 AVC/H.264 BD-compatible High Profile / Level 4.1 1.2.840.10008.1.2.4.103
Images transfer syntax	JPEG BASELINE (PROCESS 1) 1.2.840.10008.1.2.4.50
Patient List	DICOM Modality Worklist

CERTIFICATION

CE MEDICAL DEVICE
DIN EN 60601-1: 2013
DIN EN 60601-1-2: 2007

EXTENSIVE MOUNTING SOLUTIONS

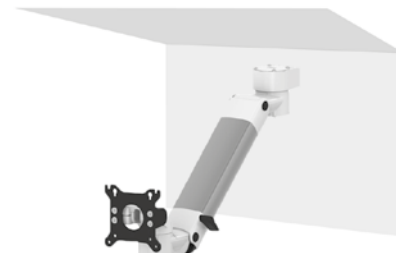
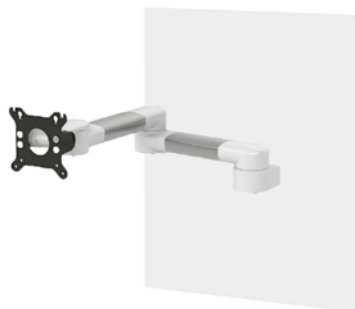
Stationary stand



Mounting Arm:

on wall

on ceiling



On trolley



in wall

Wall Mount:

on wall



FOOT PEDAL



2-pedal medical foot switches could be used to start and stop recording, take snapshots. Pedals can be connected with USB or wireless.

IMPORTANT:

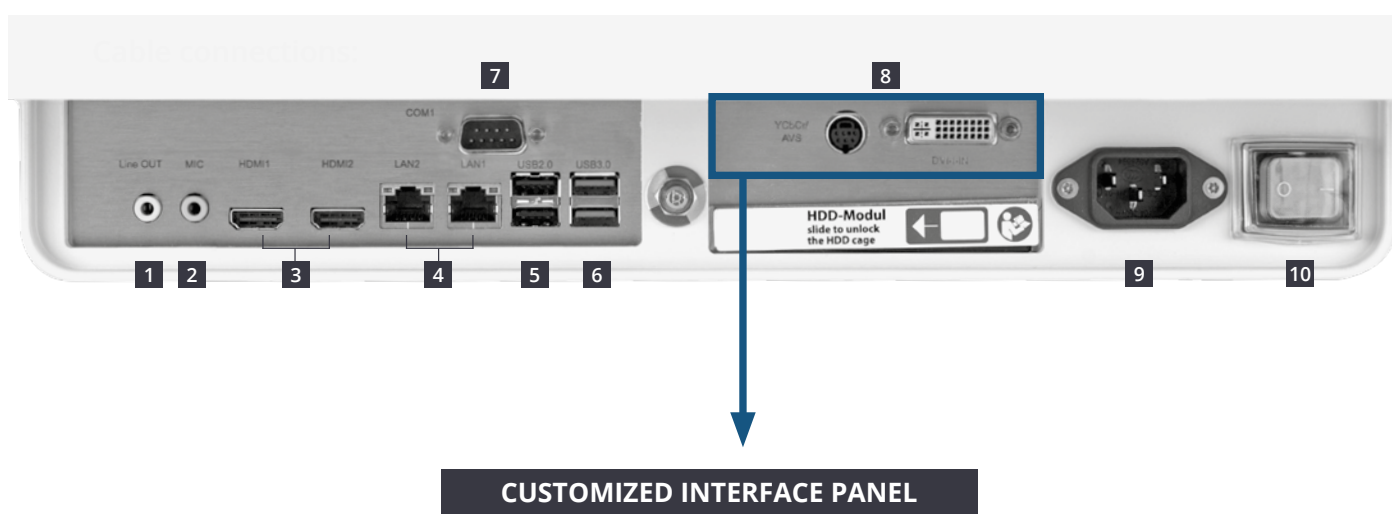
Additional accessories are not mandatory and are chosen by the customer individually. Pictures shown are associative and accessories appearance may vary depending on the supplier.

Connecting the Cables and other Units:

CABLE CONNECTIONS

- | | |
|--|--|
| 1. Line OUT – Analog Audio Output | 6. USB 3.0 Ports |
| 2. MIC – Analog Audio Input | 7. COM1 Port |
| 3. HDMI Output Connectors | 8. Customized Interface Panel: Optional Inputs |
| 4. LAN – Ethernet 10/100/1000MBit ports with RJ45 connection | 9. Power Input |
| 5. USB 2.0 Ports | 10. Power Switch |

Connector interface:



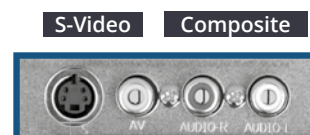
Optional Inputs (according to client needs): DVI / S-Video / SDI / Composite AV



S-Video (YCbCr / AVS) Input Connector
DVI-I Input Connector



SDI Output Connector
SDI Input Connector



S-Video (YCbCr / AVS) Input Connector
Composite Video Connector

CONTROL INTEGRATION

Surgery Workstation allows possibility to integrate additional control accessories, depending on operating room infrastructure, clients needs and direct integration to device according to device model, manufacturer etc.



Touchscreen



Keyboard



Direct Integration



Foot switch

