medDream | VideoStation

ALL-IN-ONE
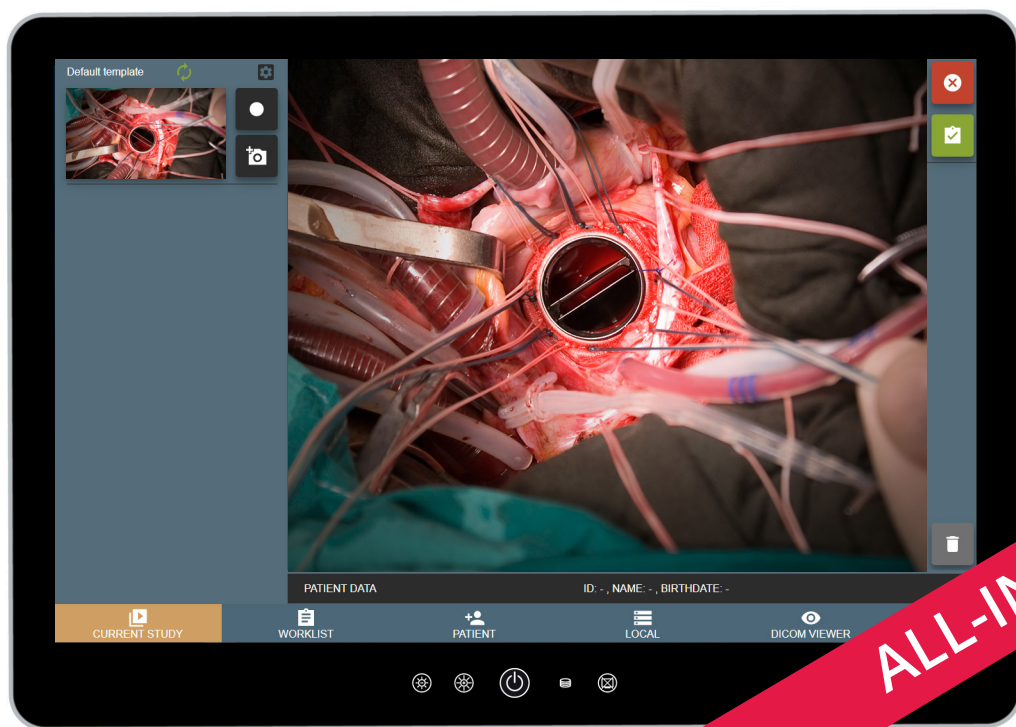
HIGH QUALITY HD MEDICAL VIDEO RECORDING INTO DICOM

RECORDING HD VIDEO DURING THE SURGERY

REVIEWING MEDICAL IMAGES

RECORDING FROM MULTIPLE DEVICES

PACS

FULL INTEGRATION INTO PACS

Softneta

VIDEOSTATION FEATURES

Intuitive user interface, simple, but very powerful software controllable by touchscreen Medical Panel PC. Storing locally more than 125 hours of HD videos and up to 100.000 of still images.

- High-quality video recording into DICOM by using MPEG2 and MPEG-4 AVC/H.264 compression;

- Record/take multiple low and high (full HD) quality video/snapshots during the surgery or other procedures;

- Live stream video during the procedure;

- Record, stream, play video and take snapshots at the same time;

- Record video/take images from multiple connected devices (special video card needed);

- Flexible patient data assignment: selecting already existing patient, manually entering the patient details or selecting from hospital DICOM worklist server;

- Possibility to start a new study recording, while other video/snapshots is in progress for saving to DICOM or sending to DICOM archive;

- Review medical images/video during the surgery or other procedures;

- Trim the recorded video;

- Recorded studies can be stored locally, sent to the hospital DICOM archive (PACS) or exported to other storage devices;

- View saved images/videos with integrated DICOM Viewer.

Customization:

- Custom video settings;

- Multi languages support: English, Lithuanian, other languages by request.

- Additional foot pedal support.

Integration:

- Full integration into hospital medical image archive (PACS);

- Saving studies locally or to PACS server;

- Modality worklist support.

This brochure contains only description of MedDream video viewing and converting functionalities. MedDream viewing functionalities are described separately.

VideoStation is fully compatible with devices:

Panasonic

OLYMPUS
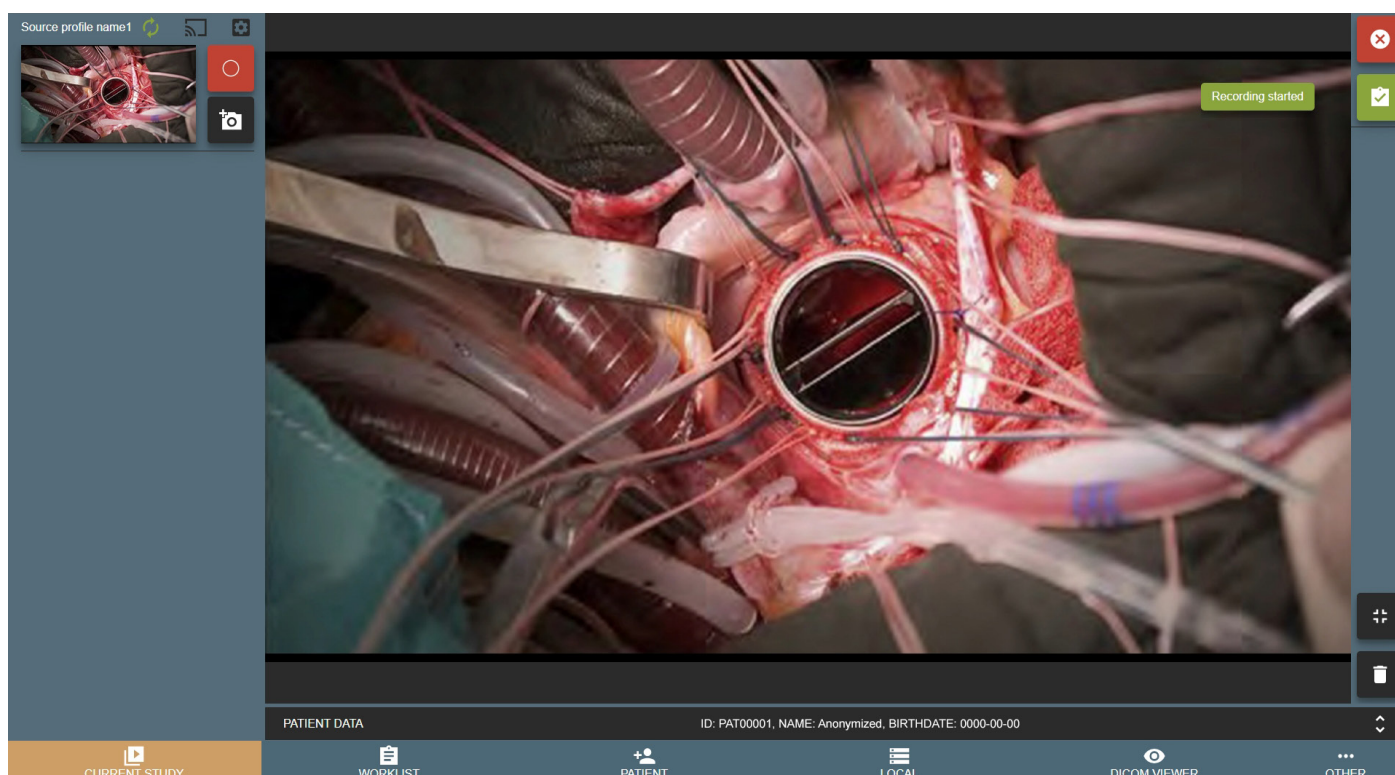Your Vision, Our Future

STORZ
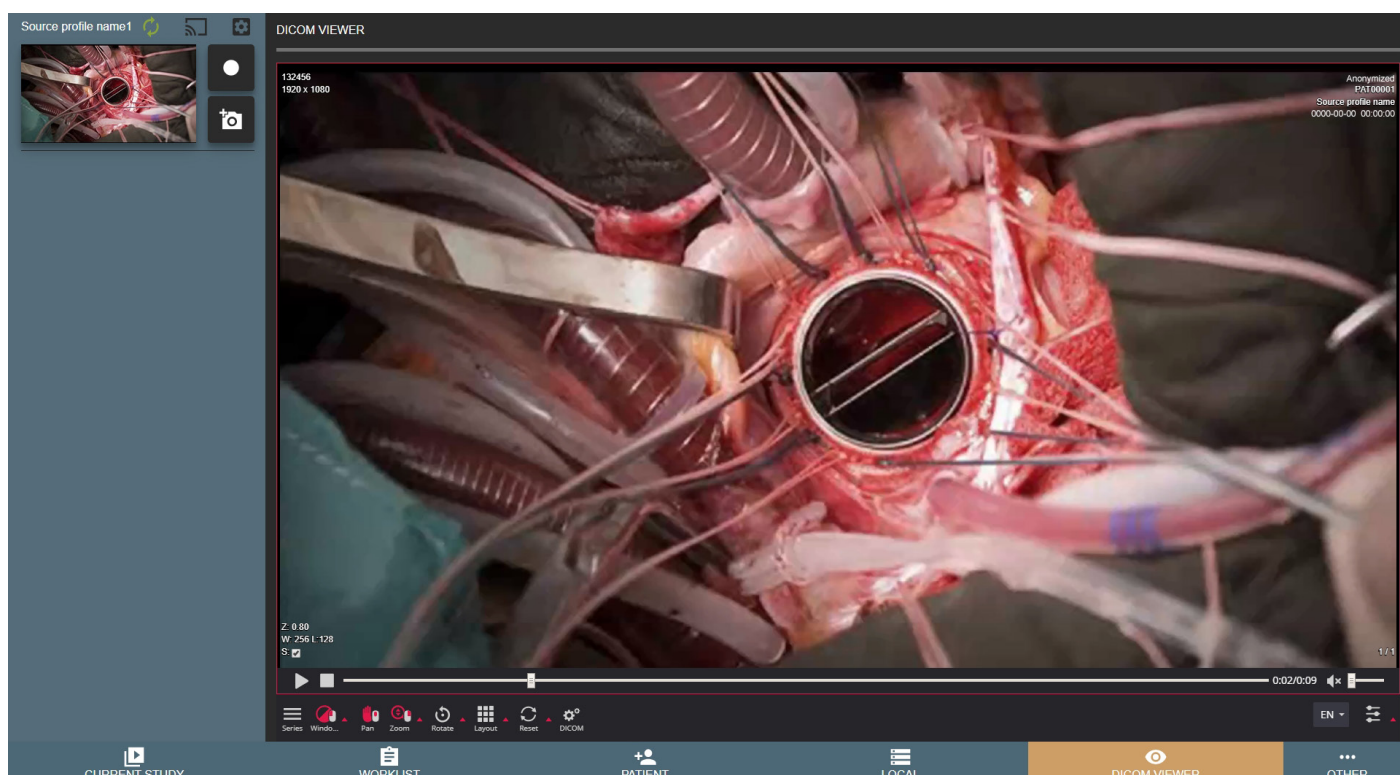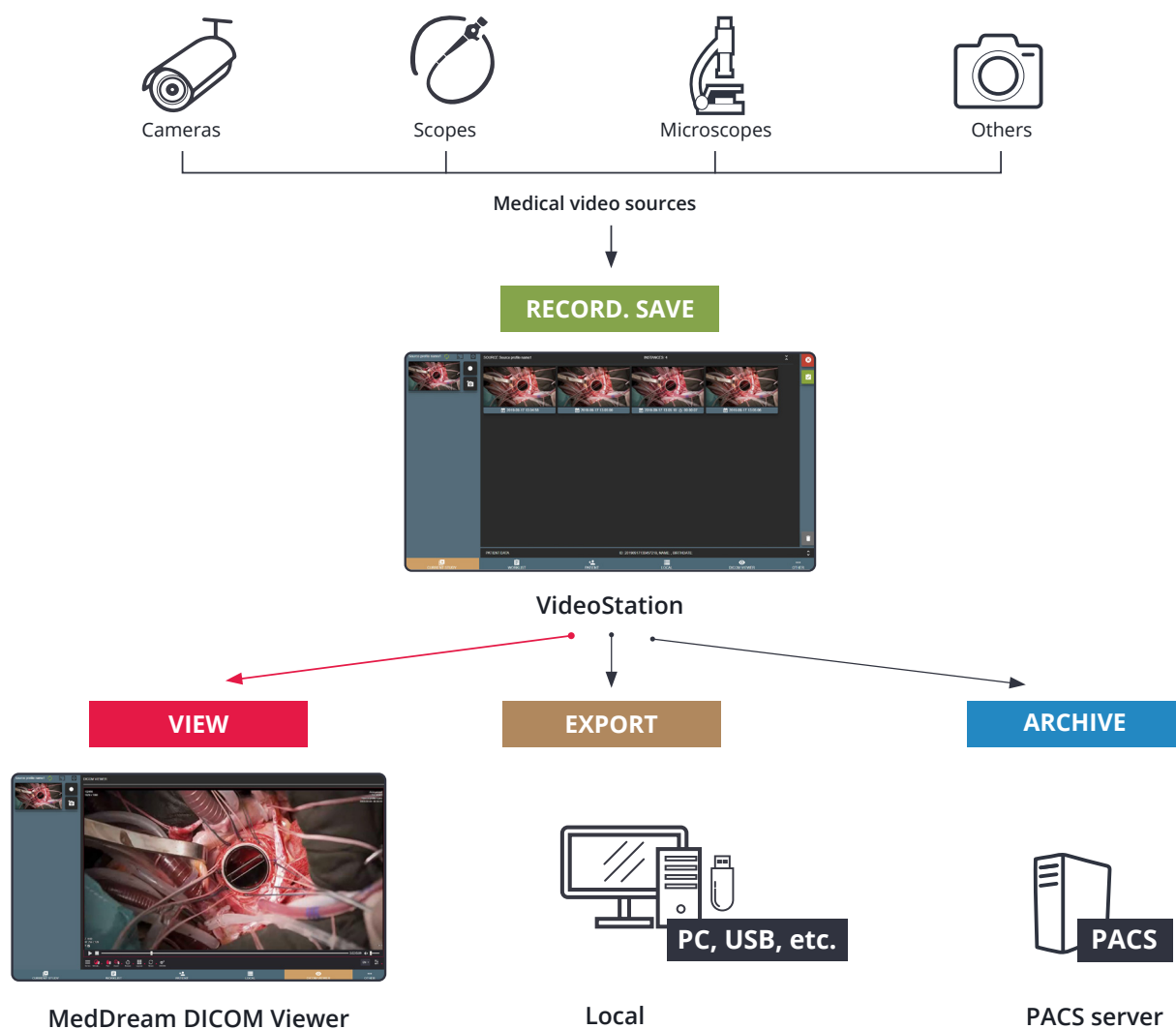KARL STORZ—ENDOSKOPE

ZEISS

Leica
MICROSYSTEMS

and **medical video sources:**

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

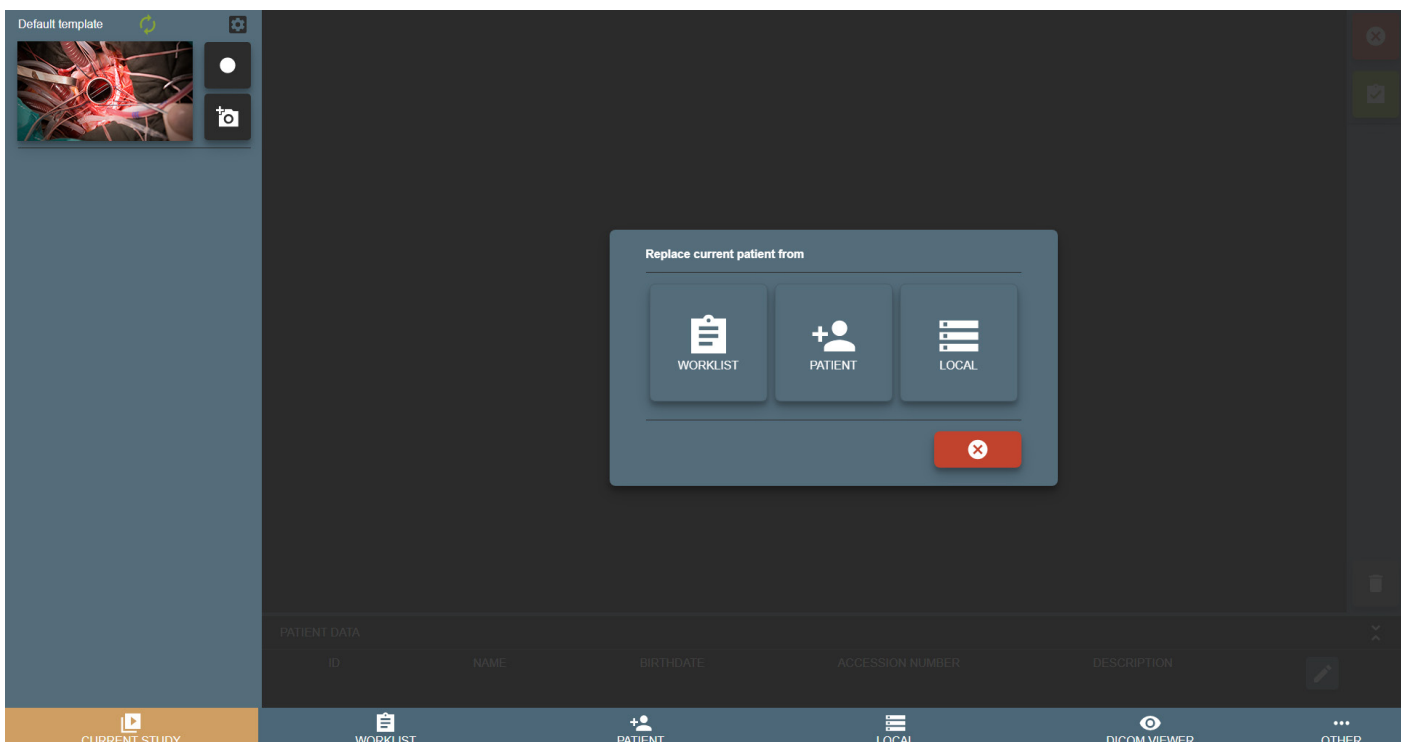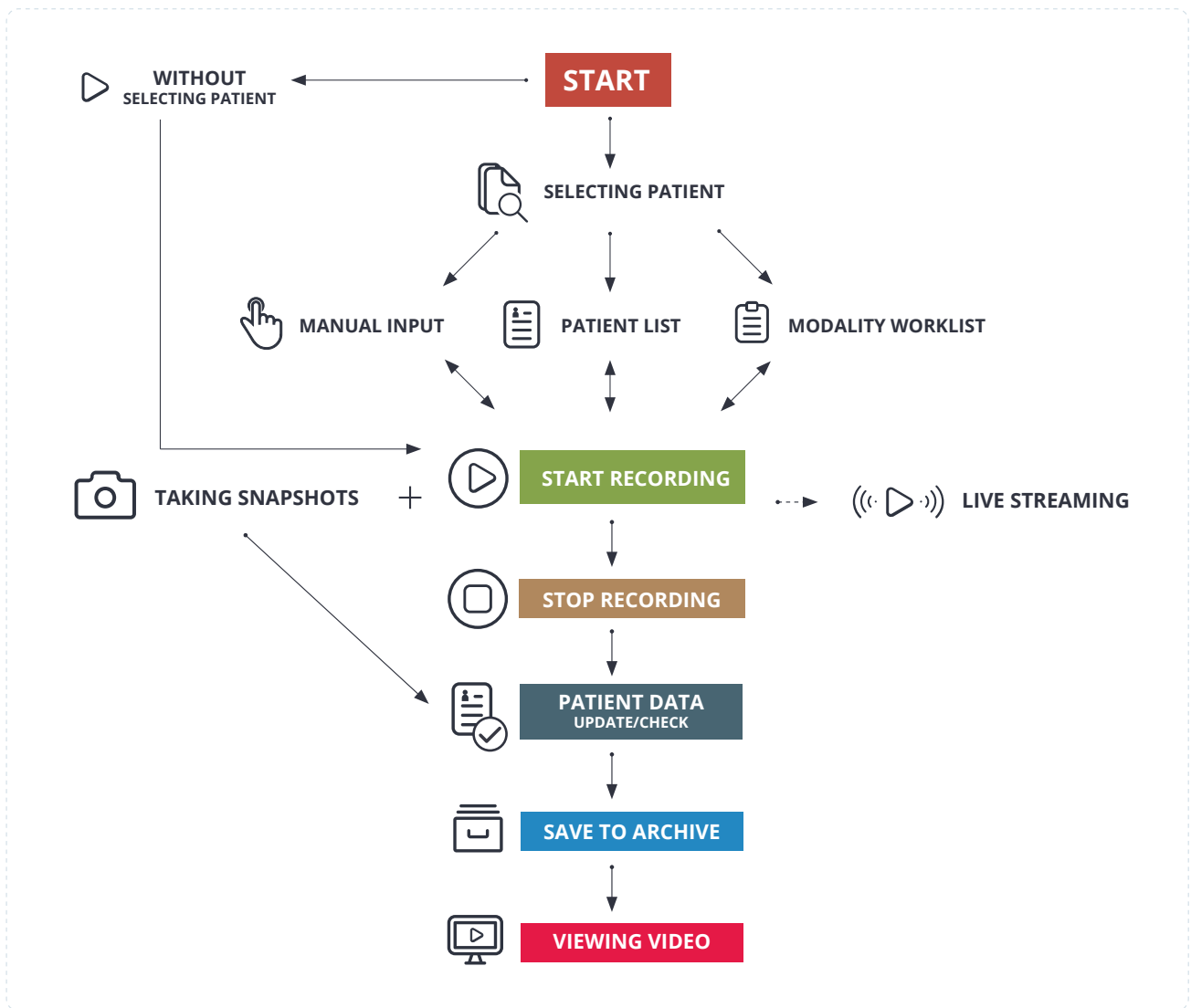# WORKFLOW WITH VIDEOSTATION

Cameras   Scopes   Microscopes   Others

Medical video sources

RECORD. SAVE

VideoStation

VIEW

EXPORT

ARCHIVE

MeddDream DICOM Viewer

PC, USB, etc.

Local

PACS

PACS server

MEDICAL VIDEO RECORDING STEPS

WITHOUT SELECTING PATIENT

START

SELECTING PATIENT

MANUAL INPUT

PATIENT LIST

MODALITY WORKLIST

TAKING SNAPSHOTS

START RECORDING

LIVE STREAMING

STOP RECORDING

PATIENT DATA
UPDATE/CHECK

SAVE TO ARCHIVE

VIEWING VIDEO

Default template

Replace current patient from

WORKLIST

PATIENT

LOCAL

PATIENT DATA
ID   NAME   BIRTHDATE   ACCESSION NUMBER   DESCRIPTION

CURRENT STUDY   WORKLIST   PATIENT   LOCAL   DICOM VIEWER   OTHER

ALL-IN-ONE SOLUTION: VIDEOSTATION SOFTWARE + MEDICAL PANEL PC
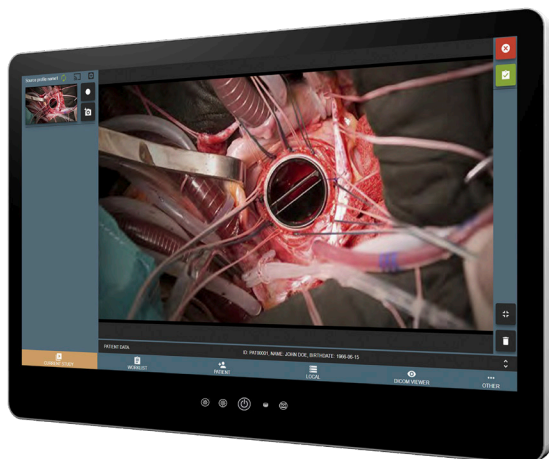
FANLESS PC + TOUCHSCREEN

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

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.)

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 /10 Pro 64 bit
Recording software	SOFTNETA VideoStation Software
Languages	Multi languages support: English, Lithuanian, other languages by request.

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

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	MPEG2 Main Profile / Main Level 1.2.840.10008.1.2.4.100 MPEG2 Main Profile / High Level 1.2.840.10008.1.2.4.101 MPEG-4 AVC/H.264 High Profile / Level 4.1 1.2.840.10008.1.2.4.102 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

ADDITIONAL ACCESSORIES

EXTENSIVE MOUNTING SOLUTIONS
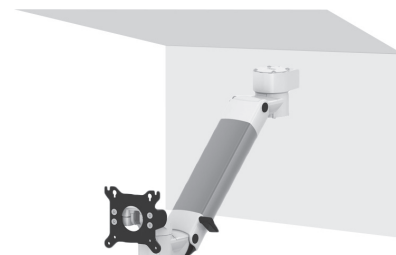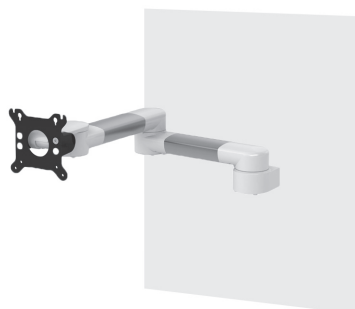
Stationary stand

Mounting Arm:
on wall   on ceiling

On trolley

Wall Mount:
in wall   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
2. MIC – Analog Audio Input
3. HDMI Output Connectors
4. LAN – Ethernet 10/100/1000MBit ports with RJ45 connection
5. USB 2.0 Ports

6. USB 3.0 Ports
7. COM1 Port
8. Customized Interface Panel: Optional Inputs
9. Power Input
10. Power Switch

Connector interface:

CUSTOMIZED INTERFACE PANEL
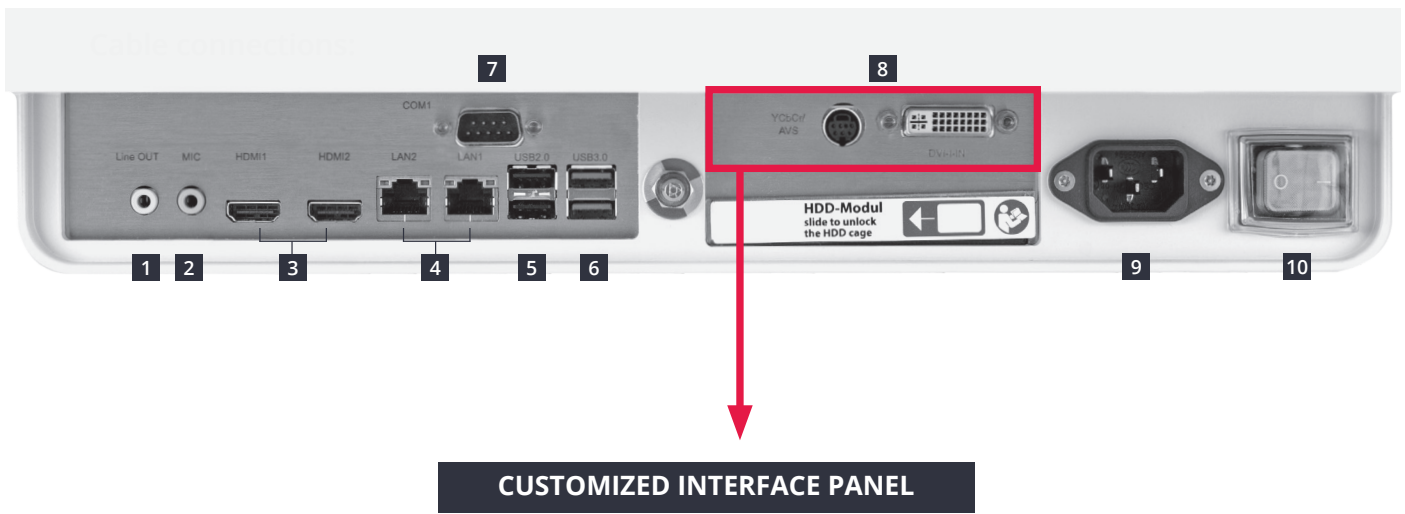
Optional Inputs (according to client needs): DVI / S-Video / SDI / Composite A/V

S-Video	DVI-I

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

SDI	SDI

SDI Output Connector
SDI Input Connector

S-Video	Composite

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

CONTROL INTEGRATION

VideoStation 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**