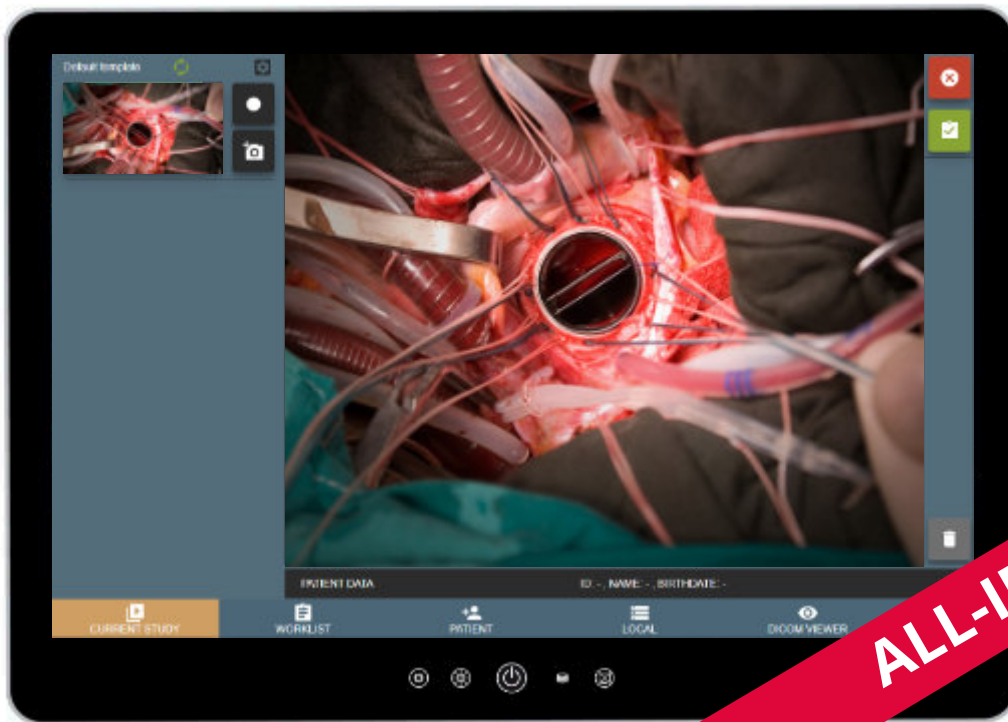


VideoStation

HIGH QUALITY HD MEDICAL VIDEO RECORDING INTO DICOM



RECORDING HD
VIDEO DURING
THE SURGERY



REVIEWING
MEDICAL
IMAGES



RECORDING FROM
MULTIPLE
DEVICES



FULL
INTEGRATION
INTO PACS

medDream

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
THE WORLD, OUR FOCUS

STORZ
KARL STORZ ENDOSCOPE

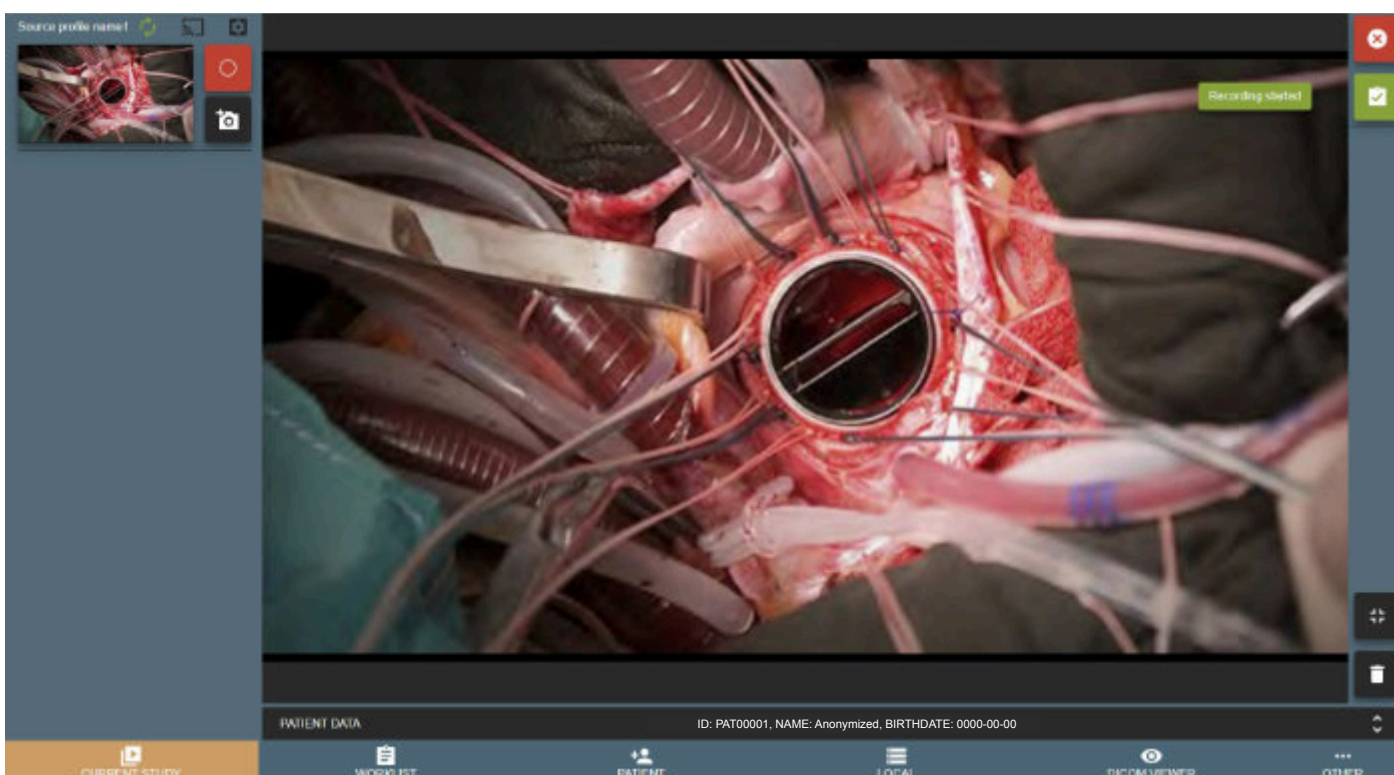
ZEISS

Leica
MICROSYSTEMS

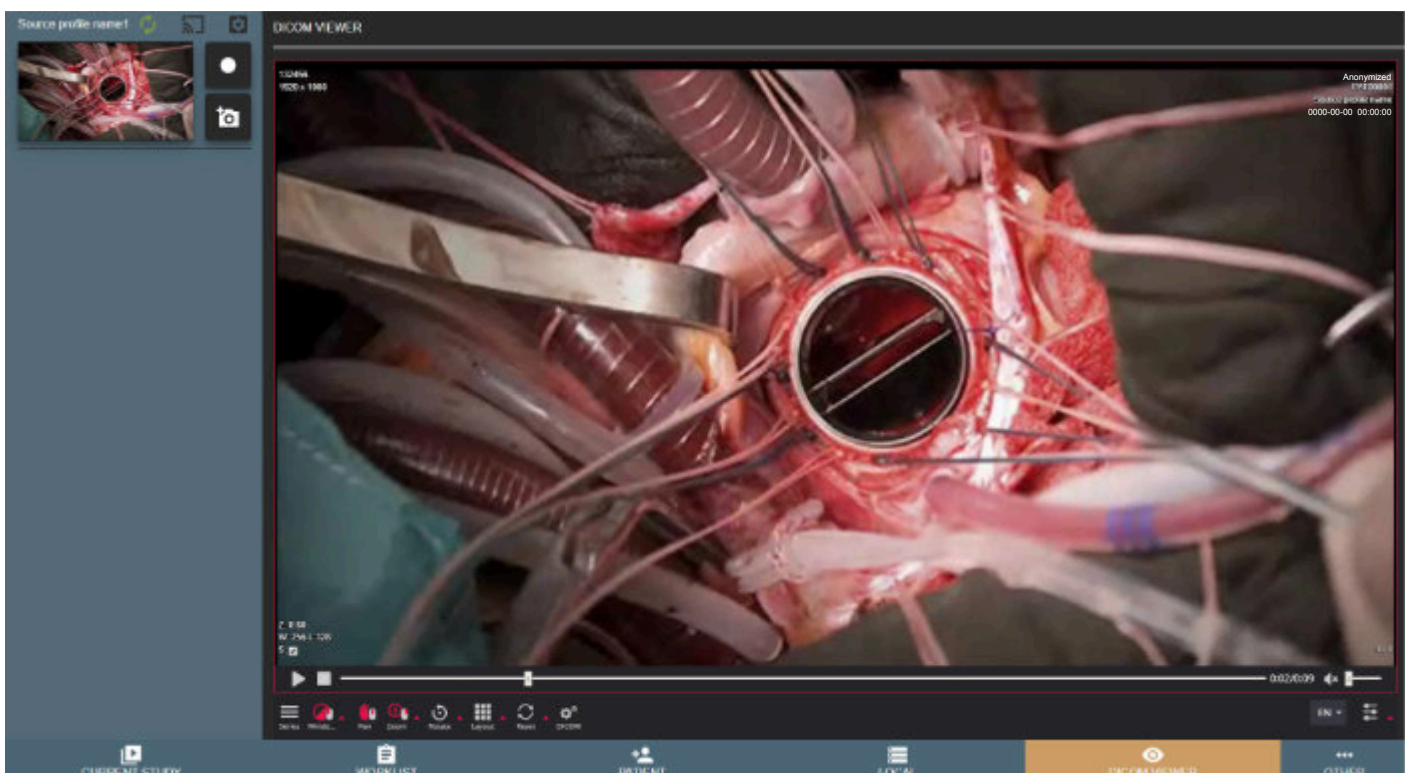
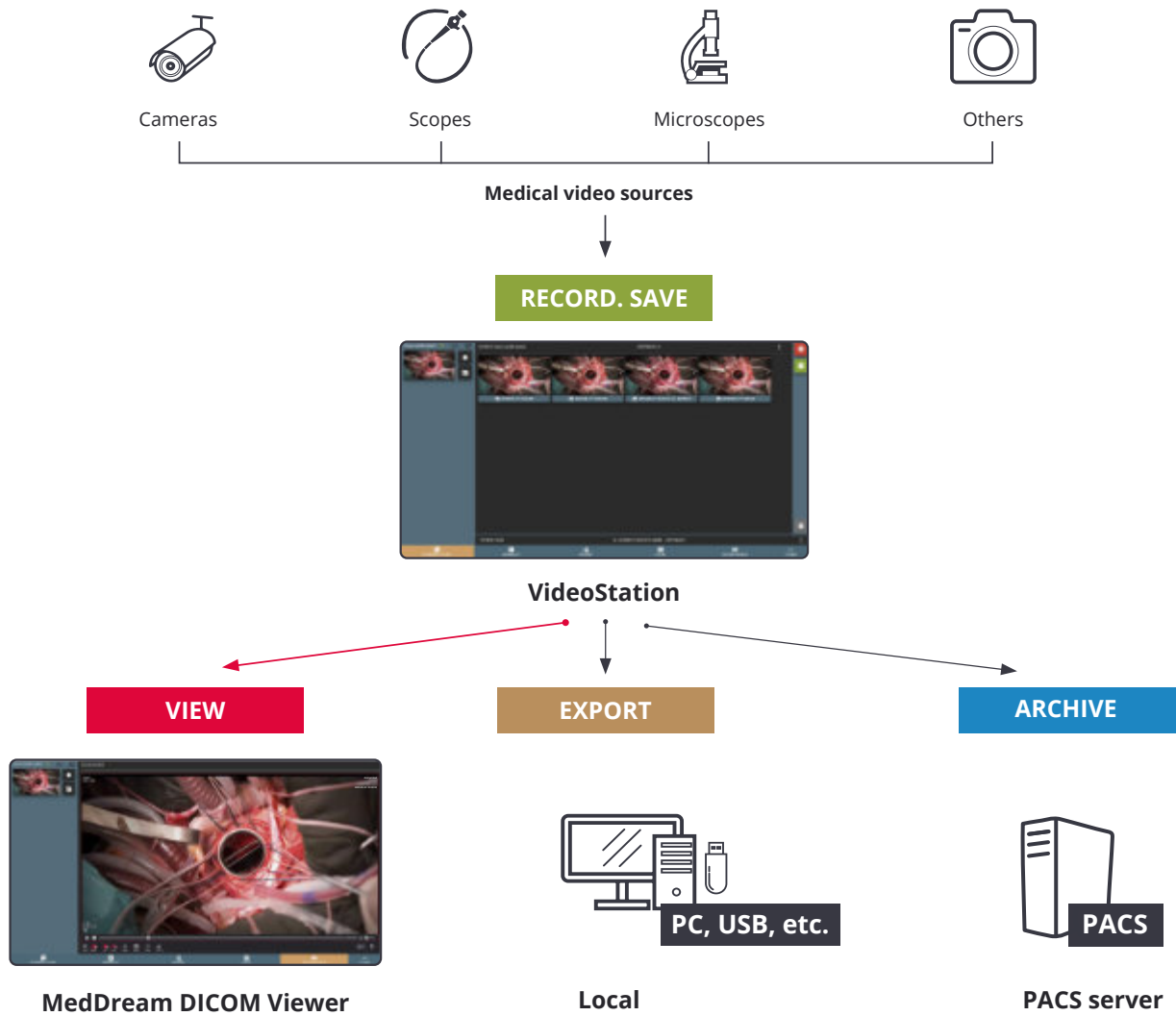
and **medical video sources:**

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

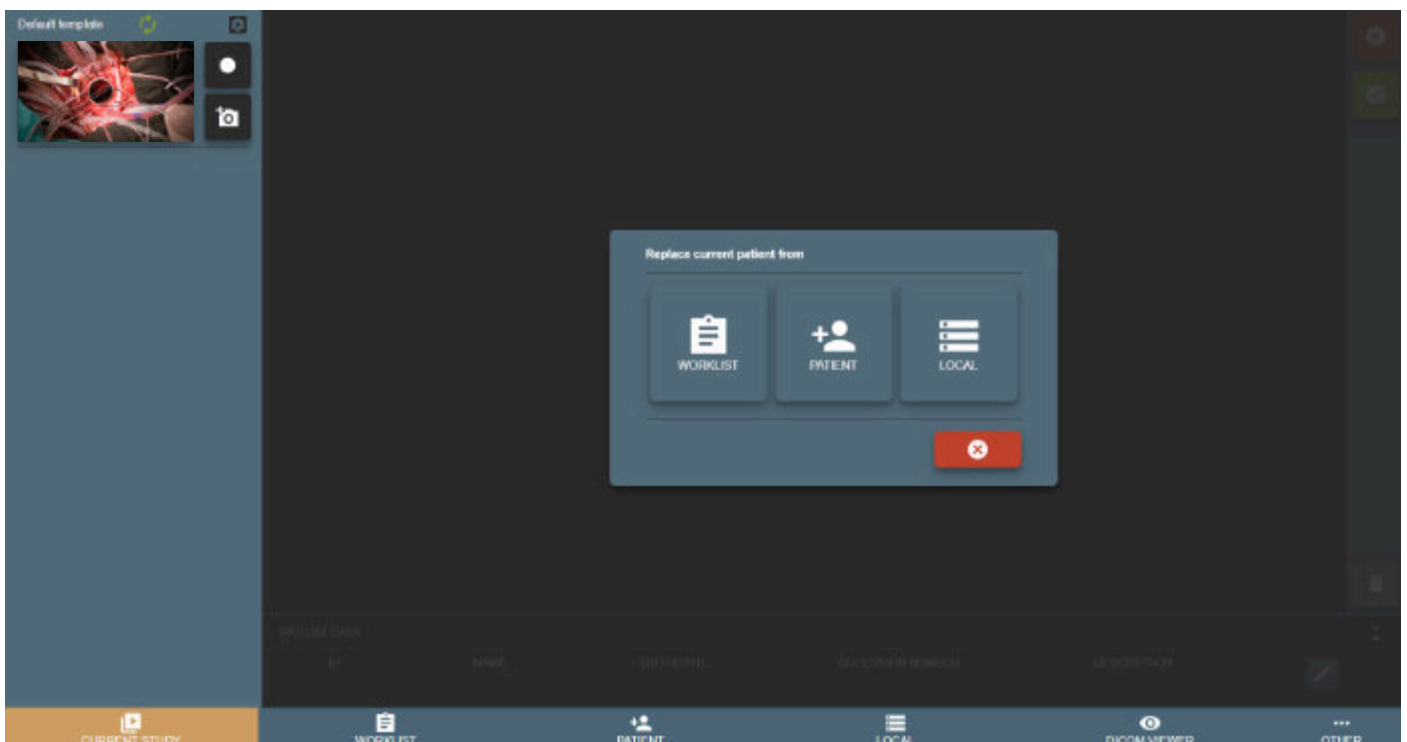
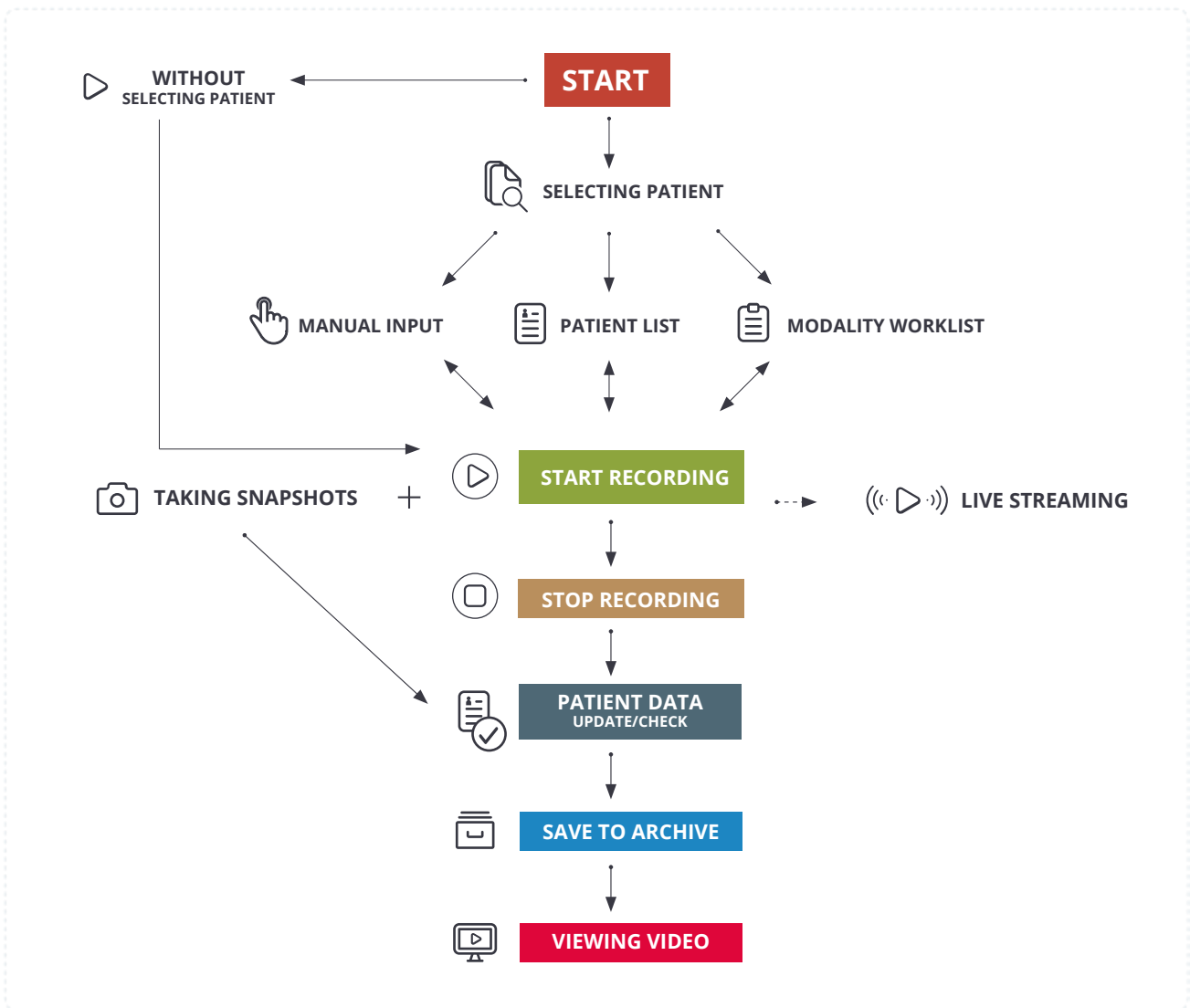
Other parties logotypes, which ownerships belongs to: Panasonic Corporation, Olympus Corporation, KARL STORZ GmbH & Co. KG, Carl Zeiss AG, Leica Microsystems GmbH are not authorized by, sponsored by, or associated with VideoStation trademark owner.



WORKFLOW WITH VIDEOSTATION



MEDICAL VIDEO RECORDING STEPS



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/m ²
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 /10 Pro 64 bit
Recording software	MedDream 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
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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	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
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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
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ADDITIONAL ACCESSORIES

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:

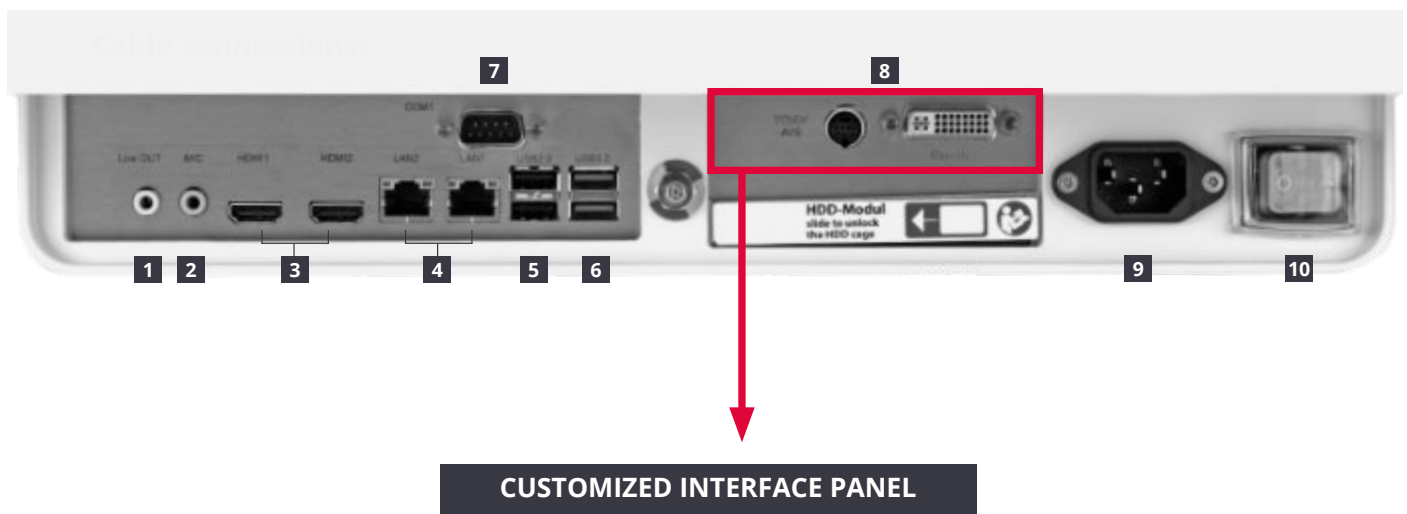
Additional accessories are not mandatory and are chosen by the customer individually. Pictures shown are associative and accessories appearance may vary depending on the supplier.

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

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



medDream

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Lithuania

VS-400-191-001