

| Function   | Description   | v4.6.7 |
|--|---|--------|
| <b>Main features</b>   |   |        |
| <b>Video Recording</b>   | Certified medical-grade video recording software.   | +      |
| <b>Still Image Capture</b>                                       | Possibility to take high-quality snapshots.   | +      |
| <b>DICOM</b>   | Medical video recording into DICOM format by using MPEG2 and MPEG-4 AVC/H.264 compression. Still, images are saved in DICOM.  | +      |
| <b>Live Stream</b>   | Live stream video by RTSP protocol during the procedure.  | +      |
| <b>Real-time processing</b>                                      | Record, stream, play video, and take snapshots at the same time.  | +      |
| <b>Modality Worklist</b>   | Possibility to select patient data from the DICOM modality worklist (query DICOM modality worklist from worklist server).   | +      |
| <b>Patient/Study Management</b>                                  | Flexible patient data assignment: selecting already an existing patient, manually entering the patient details, or selecting from the hospital DICOM worklist server. | +      |
| <b>Send to PACS</b>  | Recorded studies are dicomized and can be stored locally or sent to the PACS (medical image archive or VNA).  | +      |
| <b>Review</b>  | Review recorded medical images/videos during the surgery or other procedures.   | +      |
| <b>Video editing</b>   | Possibility to trim selected video records.   | +      |
| <b>Export</b>  | Possibility to export recorded data to the storage device.  | +      |
| <b>DICOM Viewer</b>  | View historical patient studies with an integrated DICOM Viewer.  | +      |
| <b>Multiple video sources</b>                                    | Record video/take images from multiple connected devices (special video card needed).   | +      |
| <b>Video types</b>   | Cameras, scopes (endoscopes, arthroscopes, etc.), microscopes, and others.  | +      |
| <b>Auto purge</b>  | Auto-delete (optional) old studies to make free recording space available.  | +      |
| <b>Touchscreen control</b>                                       | Software adapted to use by touch screen monitors. The on-screen keyboard is available.  | +      |
| <b>Supported Hardware</b>  |   |        |
| <b>All-In-One Solution</b>                                       | Bundle: Medical Panel PC + VideoStation software. Panel PC 21"-27", touchscreen, fanless.   | +      |
| <b>Mini PC solution</b>  | Bundle: Medical Mini PC + VideoStation software. Monitor 10", touchscreen, fanless.   | +      |
| <b>PC</b>  | A usual PC with the recommended graphic card can be used.   | +      |
| <b>OEM</b>   | The solution can be adopted and integrated into custom hardware.  | +      |
| <b>Foot Pedal</b>  | Additional foot pedal support.  | +      |
| <b>Selectable Video Inputs (specific capture board required)</b> |   |        |
| <b>SDI</b>   | HD-SDI or SD-SDI Video connection.  | +      |
| <b>HDMI</b>  | HDVI video connection.  | +      |
| <b>DVI</b>   | DVI video connection.   | +      |
| <b>S-Video</b>   | Mini-DIN analog S-Video connection.   | +      |
| <b>Composite (CVBS)</b>  | BNC analog Composite (CVBS) connection.   | +      |

| <b>Selectable Audio Inputs</b>                     |   |          |
|--|---|----------|
| <b>EMBEDDED</b>                                    | EMBEDDED audio input.   | <b>+</b> |
| <b>LINE_IN</b>                                     | LINE_IN audio input.  | <b>+</b> |
| <b>MICROPHONE</b>                                  | SOUNDCARD MICROPHONE audio input.   | <b>+</b> |
| <b>SOUNDCARD</b>                                   | SOUNDCARD LINE_IN audio input.  | <b>+</b> |
| <b>Video Recording Formats</b>                     |   |          |
| <b>4K</b>  | 4K up to 3840×2160@60/50.   | <b>+</b> |
| <b>HD</b>  | HD up to 1920×1080@60/50.   | <b>+</b> |
| <b>Analog</b>                                      | PAL or NTSC.  | <b>+</b> |
| <b>Modality Worklist</b>                           |   |          |
| <b>Modality worklist search</b>                    | Modality worklist query parameters: Accession Number, Patient's Name, Patient ID, Modality, Scheduled Station AE Title, Scheduled Procedure Step Start Date, Requested Procedure ID.    | <b>+</b> |
| <b>Modality worklist results</b>                   | Full modality worklist result that includes: Referenced, Study, Patient, Requested, and Scheduled procedure information.  | <b>+</b> |
| <b>Configuration Features</b>                      |   |          |
| <b>Support character sets</b>                      | ISO_IR 192 - Unicode in UTF-8, ISO_IR 100 - Latin alphabet No. 1, ISO_IR 144 – Cyrillic.  | <b>+</b> |
| <b>Video profile</b>                               | Possibility to create and apply profile for the video source device. Selectable: transfer syntax, encoding, audio/video quality, resolution, frame rate per second (fps), aspect ratio. | <b>+</b> |
| <b>Video length</b>                                | Possibility to specify video interval length to automatically split videos during recording.  | <b>+</b> |
| <b>Adjust video</b>                                | Possibility to adjust video settings control: contrast, brightness, hue, sharpness, saturation.   | <b>+</b> |
| <b>Encoding</b>                                    | Possibility to select encoding type: software or intel media SDK.   | <b>+</b> |
| <b>Recording quality</b>                           | Possibility to choose recording quality.  | <b>+</b> |
| <b>Streaming profile</b>                           | Possibility to create and apply Profile for video streaming. Selectable: encoding, audio/video, resolution, frame rate per second (fps), audio quality.                                 | <b>+</b> |
| <b>Streaming quality</b>                           | Possibility to choose streaming quality.  | <b>+</b> |
| <b>Multilanguage support</b>                       | Supported languages: English, Lithuanian. Possibility to support more languages by request.   | <b>+</b> |
| <b>Image Transfer syntaxes for still images</b>    |   |          |
| <b>JPEG Baseline (Process 1)</b>                   | Images can be stored in JPEG Baseline (Process 1) (Transfer Syntax UID: 1.2.840.10008.1.2.4.50).  | <b>+</b> |
| <b>Video Transfer syntaxes for Video Recording</b> |   |          |
| <b>MPEG2 Main Level</b>                            | Video can be stored in MPEG2 Main Profile Main Level Transfer Syntax (Transfer Syntax UID: 1.2.840.10008.1.2.4.100).  | <b>+</b> |
| <b>MPEG2 High Level</b>                            | Video can be stored in MPEG2 Main Profile @ High-Level Transfer Syntax (Transfer Syntax UID: 1.2.840.10008.1.2.4.101).  | <b>+</b> |
| <b>MPEG-4 High Profile</b>                         | Video can be stored in MPEG-4 AVC/H.264 High Profile / Level 4.1 Transfer Syntax (Transfer Syntax UID: 1.2.840.10008.1.2.4.102).  | <b>+</b> |
| <b>MPEG-4 BD-compatible High</b>                   | Video can be stored in MPEG-4 AVC/H.264 BD-compatible High Profile / Level 4.1 (Transfer Syntax UID: 1.2.840.10008.1.2.4.103).  | <b>+</b> |

| Supporter SOP classes for video and still images   |  |          |
|--|--|----------|
| <b>Secondary Capture Image Storage</b>   | SOP Class for Image/Video Storage Services (SOP UID: 1.2.840.10008.5.1.4.1.1.7).   | <b>+</b> |
| Video recording and still image capture modalities   |  |          |
| <b>OT</b>  | Recommended to use this modality for video recording and still images.   | <b>+</b> |
| <b>OP</b>  | Possibility to specify other modalities such as Ophthalmic Photography (DICOM will be stored using Secondary Capture SOP class).               | <b>+</b> |
| <b>ES</b>  | Possibility to specify other modalities such as Endoscopy modality (DICOM will be stored using Secondary Capture SOP class).                   | <b>+</b> |
| <b>XC</b>  | Possibility to specify other modalities such as External-camera Photography modality (DICOM will be stored using Secondary Capture SOP class). | <b>+</b> |
| Integrated DICOM Viewer features   |  |          |
| This specification file contains only a description of MedDream VideoStation product functionalities. MedDream VideoStation product contains also integrated MedDream WEB DICOM Viewer functionalities. <b>Please read the Specification document for a full list of MedDream DICOM Viewer specifications</b> Where MedDream viewing functionalities are described, such as: |  |          |
| <b>General Features</b>  | Pan, Zoom, Scroll, etc.  | <b>+</b> |
| <b>Measurements</b>  | Line, Angle, Polyline, etc.  | <b>+</b> |
| <b>Viewport features</b>   | Ellipse ROI propagation, Copy image to the clipboard, Quick save KO and PR, etc.   | <b>+</b> |
| <b>Layout features</b>   | Thumbnail position, Multi-image, Hanging Protocols, etc.   | <b>+</b> |
| <b>Manipulation features</b>   | Simultaneous scrolling, Sync Windowing, Crosshair, etc.  | <b>+</b> |
| <b>Supporting functions</b>  | The report, Study forward, Export, etc.  | <b>+</b> |
| <b>Specific features</b>   | Live Share support, PET-CT Fusion, Color channels, etc.  | <b>+</b> |
| <b>ECG</b>   | Measurement (mV, s), QT points (RR, QT, QTc), HR, etc.   | <b>+</b> |
| <b>Ultrasound</b>  | VTI (Velocity Time Integral), etc.   | <b>+</b> |
| <b>MPR</b>   | Orthogonal MPR, Axial MPR, Coronal MPR, Sagittal MPR, etc.   | <b>+</b> |
| <b>Optional advanced MPR features</b>  | MPR Oblique, 3D rendering, MPR/MIP comparison, etc.  | <b>+</b> |
| <b>Customization features</b>  | The theme, Thumbnail view, Language support, etc.  | <b>+</b> |
| <b>Other viewing functionalities</b>   | All viewing functionalities are described in the MedDream DICOM Viewer <a href="#">Specification document</a> .                                | <b>+</b> |
| Supported modalities in integrated DICOM Viewer  |  |          |
| <b>CR</b>  | Computed Radiography modality.   | <b>+</b> |
| <b>CT</b>  | Computer Tomography modality.  | <b>+</b> |
| <b>DX</b>  | Digital Radiography modality.  | <b>+</b> |
| <b>ECG</b>   | Electrocardiography modality.  | <b>+</b> |
| <b>EPS</b>   | Cardiac Electrophysiology modality for diagnostic use.   | <b>+</b> |

|   |   |          |
|---|---|----------|
| <b>ES</b>   | Endoscopy modality.   | <b>+</b> |
| <b>IO</b>   | Intra-Oral Radiography modality.  | <b>+</b> |
| <b>IVUS</b>   | Intravascular Ultrasound modality for diagnostic use.   | <b>+</b> |
| <b>MG</b>   | Mammography modality.   | <b>+</b> |
| <b>MR</b>   | Magnetic Resonance modality.  | <b>+</b> |
| <b>NM</b>   | Nuclear Medicine modality.  | <b>+</b> |
| <b>OCT</b>  | Optical Coherence Tomography (non-Ophthalmic) modality for diagnostic use.  | <b>+</b> |
| <b>OPT</b>  | Ophthalmic Tomography modality for diagnostic use.  | <b>+</b> |
| <b>OP</b>   | Ophthalmic Photography modality.  | <b>+</b> |
| <b>OT</b>   | Other modalities.   | <b>+</b> |
| <b>PT</b>   | Positron Emission Tomography (PET) modality.  | <b>+</b> |
| <b>PX</b>   | Panoramic X-Ray modality.   | <b>+</b> |
| <b>RF</b>   | Radio Fluoroscopy modality.   | <b>+</b> |
| <b>RG</b>   | Radiographic imaging modality.  | <b>+</b> |
| <b>SC</b>   | Secondary Capture modality.   | <b>+</b> |
| <b>SR</b>   | Support for SR documents.   | <b>+</b> |
| <b>US</b>   | Ultrasound modality.  | <b>+</b> |
| <b>XA</b>   | X-Ray Angiography modality.   | <b>+</b> |
| <b>XC</b>   | External-camera Photography modality.   | <b>+</b> |
| All viewing functionalities and a full list of MedDream DICOM Viewer specifications are described in the <a href="#">Specification document</a> . |   |          |
| <b>Integration into PACS/VNA, Medical Information systems, or applications</b>  |   |          |
| <b>PACS</b>   | Store recorded data in the PACS server. Possibility to review patient historical DICOM data.  | <b>+</b> |
| <b>VNA</b>  | Store recorded data in the VNA server. Possibility to review patient historical DICOM data.   | <b>+</b> |
| <b>DICOM Archive</b>  | Store recorded data in the DICOM archive. Possibility to review patient historical DICOM data.  | <b>+</b> |
| <b>Integration into OEM application</b>   |   |          |
| <b>OEM application</b>  | Integration into medical applications, video recording solutions, or surgery applications. Application control API can be provided (on commercial request). | <b>+</b> |
| <b>Licensing</b>  |   |          |
| <b>Station Licensing</b>  | Station licensing per installed instance (per user workstation or PC).  | <b>+</b> |
| <b>Operating System support</b>   |   |          |
| <b>Windows</b>  | It is a Windows desktop application, that can be installed on Windows 7/8/10/11 (64-bit).   | <b>+</b> |
| <b>Regulatory</b>   |   |          |
| <b>USA FDA</b>  | K222320, 510 (k) cleared for diagnostic use including mammographic images as a Class II medical device.   | <b>+</b> |

|                                     |   |          |
|-------------------------------------|---|----------|
| <b>Europe CE</b>                    | Certified as a Class IIb device according to MDR.   | <b>+</b> |
| <b>United Kingdom<br/>MHRA</b>      | Registered as radiology picture archiving and communication system workstation.           | <b>+</b> |
| <b>Switzerland<br/>Registration</b> | Registered as IIB class radiology picture archiving and communication system workstation. | <b>+</b> |
| <b>Singapore<br/>Registration</b>   | Registered as a Class B medical device.   | <b>+</b> |
| <b>Malaysia<br/>Registration</b>    | Registered as an IIB class medical device.  | <b>+</b> |
| <b>Morocco<br/>Registration</b>     | Registered as a IIB class medical device.   | <b>+</b> |
| <b>Russia Registration</b>          | Registered as a Class 2b medical device.  | <b>+</b> |