

Technical Data Sheet & Safety Declaration v22.08

Technical data

Components

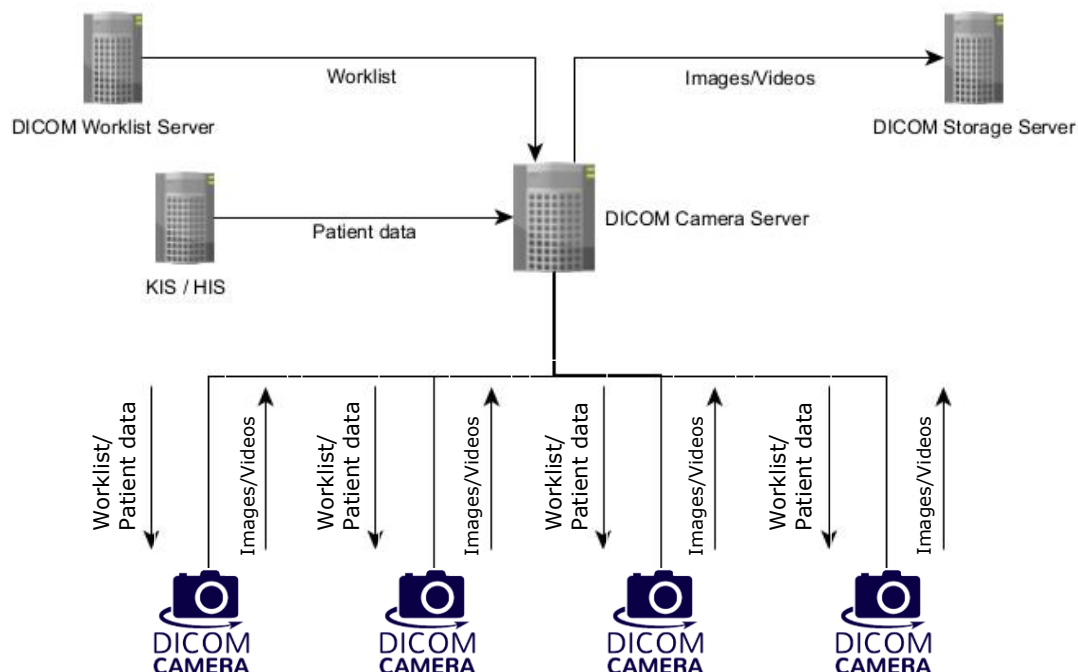
The DICOM Camera system consists of 2 parts.

- DICOM Camera Server (DCS)***
- Service for central administration of all connected DICOM Cameras (camera users, worklist filter, automatic update distribution, etc.)
 - Interface between DICOM Worklist, DICOM Storage & DICOM Camera
 - HL7 ADT interface¹ for transferring patient data from the HIS

- DICOM Camera**
- Image & Video¹ recording in DICOM format
 - Direct transmission of the recorded data to the electronic patient file
 - Suitable for various applications, can be used on dermoscopes, colposcopes & microscopes, for example
 - There are 2 models: DICOM Camera Compact (DC-CC, pocket camera) and DICOM Camera Pro (DC-CPB, system camera)

* The DICOM Camera Server is a software that is installed as a service on a server or PC available in your house

¹These are additional licence options for which a fee is charged



System requirements

DICOM Camera Server

- Operating system:** as from Windows 10 or Windows Server 2008R2
- CPU:** min. 2 core processor
- RAM:** min. 4 GB
- Storage space:** depending on number of cached image data (videos: approx. 3MB/sec., images: approx. 4MB/image; 30 days retention time²); 100 GB recommended
- Network:** Gigabit-LAN / WLAN (802.11 a/b/g/n, WPA2 Personal+Enterprise)

² The image data received from the cameras are stored for an unlimited period of time until they have been successfully transferred to the archive. After that, they are deleted after a set period of time, by default after 30 days.

DICOM Camera

Network: WLAN³ (802.11 a/b/g/n, WPA2 Personal+Enterprise)

³ Connection via LAN is not possible

Interfaces

DICOM Camera Server

- Port 104 DICOM interface (configurable)
- Port 3012 Communication interface DICOM Camera, HL7 (configurable)

DICOM Camera

- **Internal:**
 - Port 3012 Communication interface DCS (configurable via DCS)
- **External:**
 - Micro USB port can only be used for charging the device & for wired remote triggers
 - Micro SD card slot can only be used for the installation of WLAN certificates, maintenance codes & configuration files
 - Micro HDMI port for extending the display to an external monitor
 - 3.5 mm jack socket for external microphone; only usable with DC-CPB
 - Samsung NX bayonet mount for lenses & adapters; only for DC-CPB
 - Flash shoe only for DC-CPB
 - SIM card slot cannot be used; only for DC-CPB

Security declaration

Conformity assessment

In accordance with the EU Medical Device Regulation 2017/745, Article 52, a conformity assessment procedure was carried out and an EU declaration of conformity was issued in accordance with Article 19.

The DICOM Camera is a class I medical device according to Annex VIII, Rule 10 and Rule 13 of the MDR (EU) 2017/745.

Furthermore, the manufacturer guarantees that the DICOM camera complies with the basic requirements of the EU directives 2011/65 / EU (RoHS II) and 2012/19 / EU (WEEE).

Operating system DICOM Camera

As the DICOM Camera is a Class I medical device, we use an embedded Android as operating system by default. This blocks all functions beyond taking pictures.

Communication

The communication between DICOM Camera Server and DICOM Camera is encrypted and thus protects the data from access by third parties.

Data storage

In case of connection problems with the DICOM Camera Server, the data is temporarily stored on the DICOM Camera to avoid data loss.

Temporarily stored worklist data as well as image data are stored in a protected area of the data storage and cannot be accessed via SD card or USB port.

NTP server

The DICOM Camera uses the NTP server 2.android.pool.ntp.org by default.

This setting cannot be changed because our tests have shown that NTP servers have different versions and formats. If these are not compatible, proper functioning is no longer guaranteed.

In this way, we also prevent fragmentation of the settings, which we can no longer change once the device leaves our premises.

Alternatively, you can set up a DNS forwarding from 2.android.pool.ntp.org to your local NTP server in your network.

Warranty

We offer a 2-year warranty for each of our products.