



RDM TOUCH

Radiation Dose Monitor (RDM) Touch is a DACS (Dose Archiving and Communication System) software solution for collecting, controlling, analyzing and optimizing radiation doses delivered to patients during medical imaging examinations.

Designed for small organizations, RDM Touch is an all-in-one touch screen solution. Fitting

seamlessly into your environment, RDM Touch interfaces with all of your information systems and is compatible with all types of imaging modalities from all manufacturers.

At the very core of your department, RDM Touch is an essential tool for monitoring and justifying delivered dose in one click.



Main Features

MONITOR & STAY IN CONTROL

- Real-time monitoring of examinations and patients with advanced alert systems, based on (national and local) Diagnostic Reference Levels, and automatic e-mail notifications.
- Dedicated screen for tracking alerts and finding their causes.
- Instant access to the patient's dose history for decision-making.
- Advanced pediatric dose management.
- Specific management of high-risk patients (pregnant women, radiation dermatitis, etc.).
- Multi-criteria search by protocol, procedure, equipment, period, user, etc.
- Creation of search filters by population type (woman of child-bearing age, child by age group, weight, etc.).
- Re-evaluation of the CTDI according to the patient's morphology (SSDE – Size Specific Dose Estimates).

ACCESS & SHARE INFORMATION

- Complete export of all screen data and dose analysis reports in Excel format.
- Automatic transfer of reports to HIS, RIS, PACS, etc.
- Custom call of RDM from your IT systems (HIS, RIS, PACS).
- Real-time access to the RDM web interface, externally (internet/VPN) and internally (intranet).
- Alert e-mails sent automatically.
- Collection of DRLs and automatic transmission to the national authorities.

OPTIONS

Advanced statistical analysis of dose data, enabling you to:

- Display the distribution of dose values according to the type of examination to identify examinations that deviate from the reference values.
- Identify all procedures and protocols that reveal anomalies and could be improved.
- Track the course of doses delivered to patients over time.
- Assess the level of compliance of your practices.

RDM Software

TECHNICAL CHARACTERISTICS

Modality integration, collection of dose data

- DICOM RDSR (Radiological Dose Structured Report)
- DICOM Dose SC (Secondary Capture)
- DICOM MPPS (Modality Performed Procedure Step)
- DICOM Header
- External dosimeter
- Manual entry of dose data

HIS/RIS connectivity

- Automatic submission of HL7 and DICOM RDSR dose reports
- Reception of HL7 messages (fusion, update, etc.)

PACS connectivity

- Automatic downloading in DICOM Query/Retrieve of the patient's dose history
- Automatic sending of dose reports to PACS in RDSR format

Web 2.0 interface

MODULES

- E-mail Alerts module
Automatic notifications when the dose threshold is exceeded.
- PACS History module
Automatic query and retrieve of patient dose history from the PACS.
- Worklist module
Automatic retrieval of the list of examinations scheduled for the day.
- HL7 IHE Integration module
Acceptance of HL7 messages from HIS/RIS to ensure patient data integrity.
- HL7/RDSR Sender module
Translation of dose reports to RDSR or HL7 & automatic send to PACS or HIS/RIS
- Dose Reports Export module
Automatic generation in official format of dose reports to be sent to the authorities.

All-in-One PC

ASUS «ET2322INTH» CHARACTERISTICS

Operating system Windows 8 – 64 bits

Display 23.0" (58.4 cm), Full HD 1920x1080 - 10-point capacitive touch display

Processor The 4th generation Intel® Core™ i5/i7-4200U (Dual-Core 1.6 GHz / 2.6 GHz Turbo)

Memory 4G, DDR3 at 1600MHZ, 2 x SO-DIMM

Storage 1TB SATA Hard Drive (7200RPM)

LAN 10/100/1000 Mbps

Power Supply 90 W Power adaptor

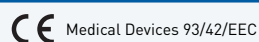
Dimensions 570 x 359 x 50 ~214 mm (WxHxD)

Weight 8.98 kg



RDM, distributed by Medsquare

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