



TOPAZ

Mobile DR System

Wider Coverage & Better Workflow





Optimized Image Quality

It begins with Advanced Technology

Integrating high technology and over a decade of experience in conventional and digital radiography systems, DRGEM's TOPAZ is a state-of-the-art mobile digital radiography system, designed with maximum comfort for patients and users in mind. From its user-friendly software to smooth and easy navigation in tight clinical spaces, TOPAZ is made to improve workflow efficiency and deliver high-quality imaging in busy hospital environments.

Full Featured Imaging Software & Excellent Digital Image Processing

With a high-performance, built-in touchscreen, TOPAZ offers a user-friendly interface and powerful software for easy operation and increased workflow. The anatomical view-based digital image processing automatically optimizes and enhances the quality of the image, with automatic image storage and print with DICOM 3.0 networking capability, increasing exam throughput and decreasing examination time.

- Provides convenient user interface and easy operation
- Anatomical view-based digital image processing
- Radiographic stand and automatic collimator control function
- DICOM 3.0 networking interface features include:
worklist, print, store, and query for integration with any PACS or RIS



Options

- DAP Meter
- Easily Detachable High Resolution Grid and Holder

Specification

X-ray System

Model	TOPAZ-40D
Output Rating	40kW
Max. kV	125kV(Optional: 150kV)
Max. mA	500mA
Max. mAs	500mAs

Detector

Size	10x12inch
	14x17inch
	17x17inch
Scintillator	CsI (Glass / Glass-free)
Type	Wireless



Remote Control & Receiver

Collimator Lamp, Ready, and Exposure control

Wider Coverage

With an X-ray focal spot height ranging from 670 to 2025 mm, the longer arm stroke and taller column support flexible positioning and enhance patient-friendly operation

DRGEM Patented Column Design

Ensures clear forward visibility, wide coverage with a high focal spot, and light, smooth movement without blind spots

Wide Touchscreen & Optimized Image Quality

Delivers a clear, intuitive interface that enhances workflow efficiency, while optimized digital processing ensures outstanding image quality

Bagging Holder

Secures the detector in place to make bagging easier, enhancing hygiene and infection control

Ergonomic and Compact Design

Easy driving and maneuverability with ergonomic and compact design

Easy Threshold Crossing

Easily overcomes thresholds up to 44mm high, ensuring smooth mobility in various environments

Accurate Positioning & Movement

Accurate positioning and precise movement provided with 4 direction buttons on this control panel

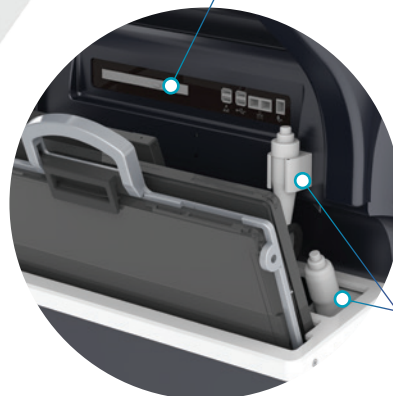


Safety Function

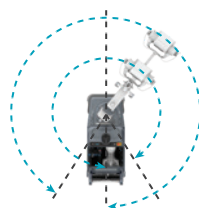
Front safety bumper & brake, spring loaded front wheel, and status LED indicator provide safety and convenience for your patient and operator. It will prevent any unexpected / secondary accident

CD/DVD Writer & I/O Ports

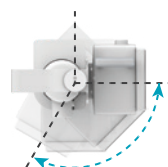
Supports easy data export via CD/DVD and USB, and enables reliable DICOM image transfer through a wired PACS connection using the LAN port



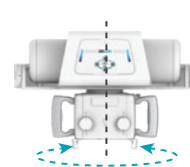
Wired & Wireless Exposure Switch



Column Rotation
 $\pm 330^\circ$



Tube axis
 $-30 \sim +90^\circ$



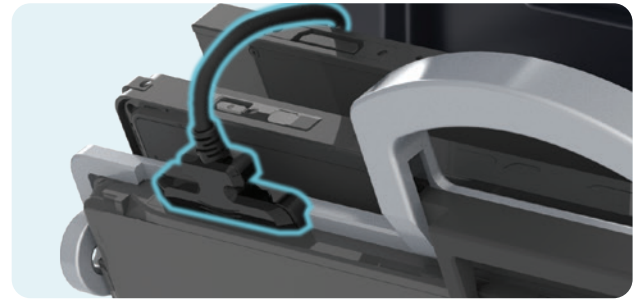
Collimator Rotation
 $\pm 120^\circ$



Transverse arm axis
 $\pm 180^\circ$

Built-in Detector Charger

Convenient on-device charging port allows quick connection of the detector using an interchangeable charging cable. This feature ensures the detector stays powered between exams without the need for separate charging equipment, supporting seamless workflow and reducing downtime.



Barcode Scanner

Streamlines patient registration by enabling quick and accurate scanning of patient ID barcodes directly into the system. This feature minimizes manual data entry, reduces the risk of identification errors, and helps maintain a smooth, efficient workflow from start to finish.

Smart Control at Your Touch

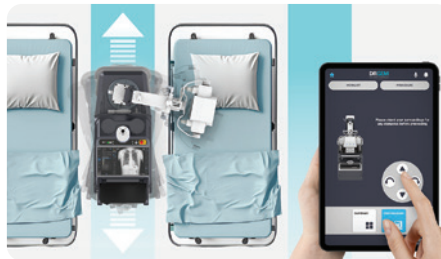
DRGEM's TOPAZ features Smart Control via tablet, enhancing safety, efficiency, and ease of use. Operators can control the system remotely over Wi-Fi, reducing exposure and allowing precise positioning in tight spaces. Live Video Streaming, Live Voice Streaming, and Multilingual Preset Voice Guidance improve communication and workflow across any clinical setting.



Safe Remote Control



Remote Precision Movement



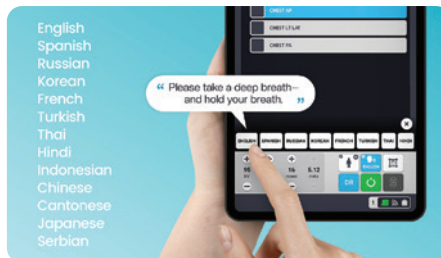
Live Video Streaming



Live Voice Streaming



Multilingual Preset Voice Guidance



RADMAX M on Tablet



DRGEM
Your Best Healthcare

© DRGEM Corporation - All right reserved.
Reproduction in whole or in part is prohibited without the written consent of the copyright-holder.
Specifications and features are subject to change without notice.
All changes will be in compliance with regulations governing manufacture of medical equipment.

HQ/R&D 7F/13F, E-B/D Gwangmyeong Techno-Park, 60 Haan-ro, Gwangmyeong-si, Gyeonggi-do, Korea (14322)
Gimcheon Factory 213, Saneopdanji-ro, Eomo-myeon, Gimcheon-si, Gyeongsangbuk-do, Korea (39536)
Gumi Factory 116-59, Sanho-daero, Gumi-si, Gyeongsangbuk-do, Korea (39377)

DRGEM
Service Community



24 hours 7 days
Customer Support
through Salesforce
Service Cloud CRM