

THE FUTURE OF DR.



ELK3210-RAD E

Digital Radiography System



NO. 7/24 Stebondale Street, London, United Kingdom

Authorized Distributor: Goldengate Holdings Limited,
Dubai, U.A.E

ELEKTRO GENESIS

ELK 3210 - RAD E

Digital solutions can be affordable and still meet the high quality standards you need. With our E LK 3210-RAD E we offer a complete, scalable DR solution that can grow and develop with your facility. A solution that allows you to choose your own digital path at your own pace and that answers the need to deliver higher throughput with a lower cost per examination, all while providing excellent image quality.

That's the ELK 3210-RAD E.



- **Digital Radiography made affordable**

Created to meet the needs of community hospitals and private radiology practices, the E LK 3210-RAD E enables price-sensitive customers to join the drive to go digital. Its versatile floor mounted radiography system enables you to go from film to CR to DR.

- **Floor-mounted easy for installation and operation**

The E LK 3210-RAD E is floor mounted system comprises a radiographic table with integral floor guide rail and a wallstand. Requiring little room preparation, it is easy to install.

- **Supports additional software function**

The software of E LK 3210-RAD E is researched and development by E LE KTRO themselves. For more application on radiography, we added Imaging Stitching function. It is useful for the shooting for chest, spine and leg. It is our optical function for user.

- **Compact appearance and structure**

E LK 3210-RAD E according to the international advanced processing mode and standardized design. The parts are made with high precision CNC machining and moulding. Which adopt high degree of standardized, reasonable and compact structure. With reliable, durable and elegant appearance and advanced processing technology.

Parts description

■ X-Ray High Voltage Generator

Automatic Exposure Controls (AEC) deliver faster switching and highly accurate exposures.



Output power	50kW
Input power	75kVA
Power source condition	Triphase AC380V±10%, 50Hz
Operating mode	Interval loading, continuous operating
Tube voltage	40kV ~ 150kV, adjusted by number keypad, minimum step size is 1kV.
Tube current	10mA ~ 630mA, adjusted by number keypad
Loading time	1ms ~ 6300ms, adjusted by number keypad
Current time product	0.5mAs ~ 630mAs, adjusted by number keypad

■ X Ray Tube

Toshiba E7876X, Stable performance.

Brand	Toshiba E7876X
Focal spot	0.6mm / 1.2mm
Rotation speed	2700rpm@50Hz, 3200rpm@60Hz
Max voltage	150KV
Heat capacity	230kHU (111KJ)
Max rate (kw)	20/46kW@ 50Hz



■ Flat Panel

Amorphous silicon without splicing
14*17inches , Gos /Csi for your choice
High sensitivity
Excellent spatial resolution
Green low dose exposure
Ultralow R noise
More stable performance and environmental adaptability



14*17inches

Technical Specifications

Receptor Type	TFT
Conversion Screen	a-Si / Gos
Dimensions	35.3 cm x 42.4 cm (14" x 17")
Pixel Pitch	140µm
Spatial resolution	3.4 lp/mm
A/D Conversion	16bit

Parts description

Dual flat panel (Optional)

Flexible Configuration for your choice.

Dual Column stand

Widely clinical examination for users.

Meet the needs of all body parts, one machine meets all clinical applications.

Faster, safer and more accurate than CR.

DR masterpiece of UK, over 1000units installation in domestic market already.



Integrated console

ELEKTRO exclusive integrated console realized the rack-control, high-voltage-exposure, and voice-prompt in one console.





Powerful image acquisition and processing system

ELEKTRO Smart-DR™ FP

ELEKTRO Smart-DR™ FP is an independently designed and developed digital X-ray acquisition and imaging software system that passed all IHE tests conducted by the UK and obtained this computer software copyright issued by State Copyright Administration. The imaging system is tailored for Elektro's flat-panel detector and has an highly integrated central control system. The simple, smooth operation, precision control of the acquisition time and photography dose, and powerful image processing capabilities all make the ultra-low dose and excellent image quality possible in clinical application.

The advanced APR control system can save countless shooting parts and shooting conditions in advance according to different user requirements, making the operation even easier.

High-performance workstation, large-capacity hard disk, and standard DICOM 3.0 transmission printing, providing powerful hardware guarantee for image acquisition, preview, post-processing, storage and transmission printing.



Registration



Image Processing



Image Printing

ELEKTRO Power Solution

Highlight

Low requirements

Low cost

no need to connect three-phase electricity and voltage regulator.

Small size

no need to occupy additional room space, placed with the high voltage generator.

Excellent performance

conventional voltage is also achieving 50KW high power output.

Multiple compatibility

It is not limited by the power grid, and can achieve multiple needs of single phase electricity, two-phase electricity, or three-phase electricity.



Workstation (Dell desktop)



Medical monitor: 23" LCD DELL

Resolution	1280 * 1024 (1M)
Image processing	Automatic or manual window position and window width adjustment, ROI window position and window width adjustment Image turnover, circumgyrate Image continuous enlarged, automatic or manual image cut Rich label function
Image data manage	Image adopt various of Inquire way (name, time, ID etc) Patient's information register
User individuation design	set the interface and toolbar as you want
Host computer	System: Windows 7 CPU: Intel Core 2 Hard drive: 500GB Internal storage: 4 G VGA Card: High efficiency speedup card Optical driver: DVD +/-RW

After-sales Service

With professional technical supports, timely deployment of resources, professional training programs and internet intelligent device management scheme, the Customer Service Center provides timely, professional and efficient equipment maintenance, personnel training and intelligent equipment hosting service for customers.

- Permanent Technical Support and maintenance.
- Training Support.
- 24HRespond.
- Remote operation available

