CATÁLOGO DE PRODUCTOS
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Enhance your workflow with vertical motor drive Jumong General (Pro) budget system.

For daily image examination, especially when increased patient volume pushed your existing Radiography resources to the limit, this system can help. Available with a variety of options, it is capable of handling a full range of applications including chest, abdominal and extremely examinations.

Digital image acquisition & processing console

- The floor mounted system is designed to offer all types of exams to clinics which have high volumes of patient.
- Its compact and clever design delivers high-performance as well as cost-effective operation.

Product Specification

**Generator**
- 40kW
- 220VAC
- 40-125kV
- Membrane console
- Option: 50kW, 65kW, 80kW, 400VAC (±10%)
- 150kV (optional three phase only)

**Tube**
- Anode heat storage capacity: 140kHU
- Focal spot: 1.0/2.0mm
- Input energy: Min. 32/77kW
- Option: 300kHU, 400kHU and 600kHU
- Collimator Manual collimator with ruler
- Option: CU or AL filters, laser centering and time adjusted light system

**Floor Rail Tube Stand**
- Tube rotation range: ±180° (catch point at ±90°)
- Lock: Electric magnet brake
- Motorized vertical movement
- Manual horizontal movement

**Floating Table**
- Low X-ray attenuation material table with 135kg patient weight capacity
- Length: 2,010mm (79.1in)
- Width: 795mm (31.3in)
- Height from floor: 705mm (27.8in)
- Transverse: 265mm
- Longitudinal: ±500mm

**Wall Stand**
- Manual by handle
- Height from floor: 2,100mm
- Movement range: Min. 420mm - Max. 1,730mm from floor
JUMONG-M (Dual FPD System)
Ceiling Suspended Type Digital Radiography

Generator
- CPI CMP200 DR Series, 50kW (option: CPI 65kW, 80kW)
- Single/Three phase, 200VAC±10%/400VAC±10%
- 40-150kV in 1kV increments
- Option: AEC, DAP, 15”Touch screen console, Mini console for integrated console pc

Detector
- Scintillator: CsI:TI [SGC] /Gd2O2S:Tb[SGG]
- Effective imaging area: 423mm x 423mm
- 3,328 x 3,328 matrix, 14bit AD conversion, 11 Million pixels
- 127 micron pixel pitch
- Image preview time: 3sec.
- Less than 7 sec. for between two exposures
- 3.9 lp/mm spatial resolution

Tube
- Anode heat storage capacity: 300kHU
- Option: 400kHU and 600kHU
- Focal spot: 0.6/1.2mm
- Input energy: Min. 32-77kW

Collimator
- Manual collimator with ruler
- Option: CU or AL filters, laser centering and time adjusted light system, Auto collimator

Console & Workstation
- Controlled by keyboard and mouse, HIS/RIS
- Integrated console with generator, OS Win7
- 500GB HDD, 4GB RAM, 24”LED monitor (1TB HDD option)

Overhead Tube Crane (manual)
- Ceiling suspension system with vertical motorized and manual (auto tracking)
- Longitudinal travel: 3,320mm, and more
- Transverse travel: 2,130mm, and more
- Vertical travel: 1,500mm
- Tube rotation: Horizontal: -150° to 180° with catch position at - 90°, 0°, 90°
- Vertical: -150° to +150°
- Tube’s angle indicator with SID

Wall Stand
- Manual by handle
- Movement range: Min. 375mm - Max. 1,790mm from floor

Floating Table
- Low X-ray attenuation material table with 350kg patient weight capacity
- Table top filtration: 0.8mm Al. Equivalent (Option: Carbon fiber)
- Length: 2,200mm/86.6in, Width: 800mm/31.5in,
- Height from floor: 700mm/28in, Patient capacity: 350kg
- Transverse: ±115mm, Longitudinal: ±550mm, Bucky: ±350mm
- Vertical (option): 570 - 890mm

Solutions in many forms

Fully featured and designed for chest, supine and other radiography examinations. Whatever you need, you can find the right solution with an ease. Dual FPD system provides your patients a swift, smooth examination. Your staff an easy-to-use environment and your facility a reputation for quality.

Digital image acquisition & processing console

- High-throughput performance and easy workflow. Up to threefold efficiency
- RIS Modality worklist interface for patient’s examination and grouped procedure configuration
- Configurable procedure step sequencing by predefined APRs
- Consistent gray scale presentation
- DICOM 3.0
- Auto tracking with wall stand and 6-way table
**JUMONG-M (Single FPD System)**

*Ceiling Suspended Type Digital Radiography*

**Generator**
- CPI CMP200 DR Series, 50kW (option: CPI 65kW, 80kW)
- Single/Three phase, 200VAC±10%/400VAC±10%
- 40-150kV in 1kV increments
- Option: AEC, DAP, 15” Touch screen console, Mini console for integrated console pc

**Detector**
- Scintillator: CsI:TI [SGC] /Gd2O2S:Tb [SGG]
- Effective imaging area: 423mm x 423mm
- 3,328 x 3,328 matrix, 14bit AD conversion, 11 Million pixels
- 127 micron pixel pitch
- Image preview time: 3sec.
- Less than 7 sec. for between two exposures
- 3.9 lp/mm spatial resolution

**Tube**
- Anode heat storage capacity: 300kHU
- Focal spot: 0.6/1.2mm
- Input energy: Min. 32-77kW

**Collimator**
- Manual collimator with ruler
- Option: CU or AL filters, laser centering and time adjusted light system, Auto collimator

**Console & Workstation**
- Controlled by keyboard and mouse, HIS/RIS
- Integrated console with generator, OS Win7
- 500GB HDD, 4GB RAM, 24” LED monitor (1TB HDD option)

**Overhead Tube Crane (manual)**
- Ceiling suspension system with vertical motorized and manual (auto tracking)
- Longitudinal travel: 3,320mm, and more
- Transverse travel: 2,130mm, and more
- Vertical travel: 1,500mm
- Tube rotation: Horizontal: -150° to 180° with catch position at - 90°, 0°, 90°
- Vertical: -150° to +150°
- Tube’s angle indicator with SID

**Wall Stand**
- Manual by handle
- Movement range: Min. 375mm - Max. 1,790mm from floor

**Mobile Patient Table**
- Table top size: 2,020 x 800mm
- Up / down range: 200mm (automatic)
- Floor range: Min. 705mm ±10mm, Max. 905 mm ±10mm

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**Vertical freedom with synchronization**

Fully featured and designed for chest, supine and other radiography examinations. Whatever you need, you can find the right solution with an ease. Jumong-M provides your patients a swift, smooth examination. Your staff an easy-to-use environment and your facility a reputation for quality. There is no need to sacrifice quality to fit your budget.

**Digital image acquisition & processing console**

- High-throughput performance and easy workflow. Up to threefold efficiency
- RIS Modality worklist interface for patient’s examination and grouped procedure configuration
- Configurable procedure step sequencing by predefined APRs
- Consistent gray scale presentation
- DICOM 3.0
- Vertical synchronized movement
JUMONG-F
Digital Radiography

Smart, Cost effective system

High reliability, easy of use, and diagnostic confidence. Enjoy a radiography system designed of reliable, consistent performance and low cost ownership. With a flexible rand of positions, Jumong-F provides your patients a fast and smooth examination.

Generator
- CPI CMP200 DR Series, 40kW
- Single/Three phase, 220VAC±10%/380VAC±10%/400VAC±10%
- 40-125kV in 1kV increments (150kV optional three phase only)
- Option: AEC, DAP, 15"Touch screen console, Mini console for integrated console pc, 50kW, 65kW, 80kW

Detector
- Scintillator: CsI:Tl [SGC] /Gd₂O₂S:Tb [SGG]
- Effective imaging area: 423mm x 423mm
- 3,328 x 3,328 matrix, 14bit AD conversion, 11 Million pixels
- 127 micron pixel pitch
- Image preview time: 3sec.
- Less than 7 sec. for between two exposures
- 3.9 lp/mm spatial resolution

Tube
- Anode heat storage capacity: 140kHU
- Option: 300kHU, 400kHU and 600kHU
- Focal spot: 1.0/2.0mm
- Input energy: Min.22.5-47kW

Collimator
- Manual collimator with ruler
- Option: CU or AL filters, laser centering and time adjusted light system, Auto collimator

Console & Workstation
- Controlled by keyboard and mouse, HIS/RIS
- Integrated console with generator, OS Win7
- 500GB HDD, 4GB RAM, 24"LED monitor (1TB HDD option)

Floor Rail Tube Stand
- Full movements with handle bar
- Tube stand rotation: catch point every 90°
- Tube rotation range: ±180° (catch point at ±90°)
- Lock: Fixed by clutch
- Operation: Dial panel type

Floating Table
- Low X-ray attenuation material table with 350kg patient weight capacity
- Table top filtration: 0.8mm Al. Equivalent (Option: Carbon fiber)
- Length: 2,200mm/86.6in, Width: 800mm/31.5in
- Height from floor: 700mm/28in, Patient capacity: 350kg
- Transverse: ±115mm, Longitudinal: ±550mm, Bucky: ±350mm
- Vertical (option): 570 - 890mm

Wall Stand
- Manual by handle
- Movement range: Min. 375mm - Max. 1,790mm from floor
JUMONG-C
Multi-position C-structure Digital Radiography

Multi position C-structure Simple, yet functional
A motorized universal stand and a basic mobile table complete the configuration. With SG’s detector which is fully AED functional, installation is as easy as connecting power to the system. It is an ideal system in place with limited space and budget. However, there is no need to sacrifice quality to fit your budget.

Specialized in all kinds of medical examinations
- The most worldwide well-known system. This single-panel multi-purpose universal arm system provides a cost effective ergonomic solution for the entire range of radiographic examinations
- Improvement in radiography speed by stability and optimum positioning on the universal stand
- Fast acquisition of image via RAPS (Remove Auto Positioning System) support
- Auto-stitching function which does not require operator’s interrupt during operation (optional)

Product Specification

Generator
- CPI CMP200 DR Series, 50kW (option: CPI 65kW, 80kW)
- Single/Three phase, 200VAC±10%/400VAC±10%
- 40-150kV in 1kV increments
- Option: AEC, DAP, 15” Touch screen console, Mini console for integrated console pc

Detector
- Scintillator: CsI:TI [SGC] /Gd2O2S:Tb [SGG]
- Effective imaging area: 423mm x 423mm
- 3,328 x 3,328 matrix, 14bit AD conversion, 11 Million pixels
- 127 micron pixel pitch
- Image preview time: 3sec.
- Less than 7 sec. for between two exposures
- 3.9 lp/mm spatial resolution

Tube
- Anode heat storage capacity: 300kHU
- Option: 400kHU, 600kHU
- Focal spot: 0.6/1.2mm
- Input energy: Min. 32-77kW

Collimator
- Manual collimator with ruler
- Option: CU or AL filters, laser centering and time adjusted light system, Auto collimator

Console & Workstation
- Controlled by keyboard and mouse, HIS/RIS
- Integrated console with generator, OS Win7
- 500GB HDD, 4GB RAM, 24” LED monitor (1TB HDD option)

Universal Stand
- Full motorized movements either by buttons or by remote control
- Touch screen on tube arm
- Motorized SID adjustment from 1,000mm to 1,800mm (40” to 72”)
- Motorized C-arm rotation from -30° to +120°
- Manual tube rotation from -30° to 180° enabling free cassette exposures
- Manual detector tilting range from -45° to +45°
- Option: Auto collimation: SID between 1,000mm and 1,800mm

Mobile Table
- Low X-ray attenuation material table with 200kg patient weight capacity
- Table top filtration: 1.2mm Al. equivalent@100kV
- Individual locking caster
- Option: Up/down floating table with wheels
JUMONG-U
Multi-position Universal Digital Radiography

Simple, yet complete

It is a simple structure. There is no need to sacrifice quality to fit your budget. Your choice of elevation or rotation can be selected by pressing console or using remote control.

Specialized in all kinds of medical examinations
• The most worldwide well-known system. This single-panel multi-purpose universal arm system provides a cost effective ergonomic solution for the entire range of radiographic examinations
• Improvement in radiography speed by stability and optimum positioning on the universal stand
• Fast acquisition of image via RAPS (Remove Auto Positioning System) support
• Auto-stitching function which does not require operator’s interrupt during operation (optional)
Floor rail tube stand with elevating detector stand

Extend your clinical capacity with Jumong-E budge system. Stretch the capabilities of your hospital and budget with Jumong-E. Turn a small space into an excellent multipurpose DR examination room. Perform all general digital examinations for standing, sitting or recumbent patients, using the built-in flat panel detector.

- Fast and accurate radiography from head to ankle through wide range of detector and tube
- Economical efficient system that can be fit with medical examination centers or small midsize clinics

**Product Specification**

**Generator**
- CPI CMP200 DR Series, 50kW (option: CPI 65kW, 80kW)
- Single/Three phase, 200VAC±10%/400VAC±10%
- 40-150kV in 1kV increments
- Option: AEC, DAP, 15” Touch screen console, Mini console for integrated console pc

**Detector**
- Scintillator: CsI:Tl [SGC] /Gd2O2S:Tb [SGG]
- Effective imaging area: 423mm x 423mm
- 3,328 x 3,328 matrix, 14bit AD conversion, 11 Million pixels
- 127 micron pixel pitch
- Image preview time: 3sec.
- Less than 7 sec. for between two exposures
- 3.9 lp/mm spatial resolution

**Tube**
- Anode heat storage capacity: 300kHU
- Option: 400kHU and 600kHU
- Focal spot: 0.6/1.2mm
- Input energy: Min. 32-77kW

**Collimator**
- Manual collimator with ruler
- Option: CU or AL filters, laser centering and time adjusted light system, Auto collimator

**Console & Workstation**
- Controlled by keyboard and mouse, HIS/RIS
- Integrated console with generator, OS Win7
- 500GB HDD, 4GB RAM, 24”LED monitor (1TB HDD option)

**Universal Stand**
- Manual railway tube stand with elevating detector stand
- Option: Vertical auto tracking

**Mobile Table**
- Low X-ray attenuation material table with 220kg patient weight capacity
- Table top filtration: 1.2mm Al. Equivalent@100kV
- Break system: by foot pedal
- Option: Up/down floating table with wheels
Perfect for quick chest exams / Vehicle installation / cost and space conscious

Vertical synchronized stands with a single 17x17 cassette size detector allows a full range of chest and other vertical examinations. It is an ideal solution for vehicles and space conscious sites.

- Easy installation and operation in a clinic or vehicle
- Fully automatic synchronized up & down movement
Jumong-RF is a compact, versatile, remote controlled RF system with dynamic flat panel detector technology, height-adjustable table and true dual use fluoroscopy & radiography capability. It is designed to help you achieve imaging excellence, simplify your workflow and expense your patient base.

**Built for everyday clinical use**
- General design to fit a wide spectrum of clinical exams
- Pre-set & optimized anatomically programmed radiography (APR)
- Real RAD mode fast switching for high quality image capture

**Remote Controlled RF Fluoroscopy & Radiography**
- Lower the does while maintaining best diagnosis capability
- Features for dose reduction: Cine-loop or last fluoroscopy hold system, fast ABC, proprietary advanced
- Processing for active noise reduction, dose reporting
- Tunable settings to adapt image processing algorithm for fit specific needs (on demand)
JUMONG-Mobile (Analog)
Analog Mobile Radiography

4kw
- Generator: 110kV, 80mA, HF 40kHz
- Tube: stationary, single 1.8 (optional 1.5)
- Collimator (Manual)

15kw
- Generator: 125kV, 200mA, HF 40kHz
- Tube: Rotating 3000rpm, Dual 0.6~1.3, 15"
- Collimator (Manual)

30kw
- Generator: 125kV, 400mA, HF 40kHz
- Tube: Rotating 3000rpm, Dual 0.6~1.3, 15"
- Collimator (Manual)

15kw HS
- Generator: 125kV, 200mA, HF 40kHz
- Tube: Rotating 10000rpm, Dual 0.6~1.3, 15"
- Collimator (Manual)

30kw HS
- Generator: 125kV, 320mA, HF 40kHz
- Tube: Rotating 10000rpm, Dual 0.6~0.8, 15"
- Collimator (Manual)

Options
- AEC, DAP, DAP Printer are available

Product Specification

- Swiveling front wheels in anti-static rubber
- Dead-man brakes system
- Container for 6 X-ray cassette 35x43cm
- Rotation of monobloc supporting fork ±180°
- Rotation of monobloc fork 0° ± 90°
- Dimensions during transportation 117x71x153h cm
- Weight 150kg
Digital / Digital Motor Driven (Battery built-in)

Jumong Mobile, based on our revolutionary Jumong family of X-ray systems, gives you the freedom to upgrade to a fully integrated digital mobile solution when it aligns with your needs. You can enjoy the ease of use and time saving advantages Jumong Mobile offers.

- Fast and accurate radiography from head to ankle through wide range of detector and tube
- Economical efficient system that can be fit with medical examination centers or small and midsize hospitals

Product Specification

Generator
- MAX POWER 30kW, 125kV, 400mA, 40kHz

Tube
- Rotating 3000rpm, dual 0.6, 1.3, 15"

Detector
- Trixell Pixium 3543EZ, 148um
- Charger and 2 batteries

Collimator
- Manual

Control Console & Digital Unit
- Medical 19" color touch monitor
- HIS/RIS
- Integrated console with generator
- Intel Core 2 Duo
- OS Win7
- 320GB HDD and 2GB RAM

Others
- Maximum power: 30kw
- Optional: 40kw
- Max ripple: <1% at max power
- Exposure times: 1ms
- kV range: 40-125kv (steps 1kv)
- mAs range: 0.5-320mAs (27 steps)
- Max current: 320mA
- WiFi FPD
- 9 Mega pixel
Ideal choice for a complete range of radiographic procedures and eliminates the need for costly room modifications.

Smart digital X-ray system for every little breath

Stationary system with 17x17 cassette size detector allows a full range of chest and other vertical examinations. It is an ideal solution for everyday image examination of small and big animals.
**FineVet-DR9 Portable**
Veterinary Portable Digital Radiography

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**Product Specification**

- **Detector**
  - 14” x 17” wireless flat panel detector (CsI, Gadox)

- **Workstation:** Laptop, i7, OS windows

- **Software:** Dedicated software

- **Inverter Output (kw):** 2.4kW, 30mA@80kV

- **kV Range:** 40-100 kV, 1kV increment

- **mA Range:** 16 to 35 mA, variable

- **mAs Range:** 0.4-100 mAs, 35 selections

- **Console & Display**
  - kV & mAs LED display
  - Ready & Exp. LED indicator
  - Collimator & laser SW
  - Preset technique SW
  - Reversible LED read SW

- **X-ray Tube**
  - Fixed anode type
  - Focal size: 1.2mm
  - Anode heat capacity: 20kHU

- **Battery Features**
  - Rechargeable lithium-ion type
  - Capacity: 3m200 mAs
  - Charger: 110 Watt/110VAC
  - Charging time: 3.5hrs
  - Power requirement 58.8V/1.5A

- **Dual Laser**
  - Programmable controller
  - 26” auto focal point by dual laser

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**Ideal choice for a complete range of radiographic procedures and eliminates the need for costly room modifications.**

**Carry your will**

This is an complete outdoor X-ray system with our finest portable generator OSU-25 and wireless 1417 flat panel detector. It comes with a laptop, software and a carry bag as a set. Images are instantly transferred to the laptop once radiation is detected on the flat panel (AED).
Exprimer
Wired / Wireless Slim Flat Panel Detectors

Smart portability & best quality image for limitless performance

Exprimer, DRTECH’s innovative digital x-ray solution combined advanced ‘Information Technology’ with the latest digital detector technology. With its versatility, Exprimer provides ultimate image quality and can be applied in multiple environments for various applications.

EVS 3643 & EVS 2430W, Exprimer’s two portable models provide limitless portability with reliable operation.

Upgrade Now! Experience unbeatable performance of Exprimer and increase your productivity and diagnostic confidence!

1) EVS 3643 2
2) EVS 2430W
3) EVS 2430 4
4) EVS 4343
5) Protection Suit
6) Battery Charger
7) PCP (Portable Console PC)

Exprimer, the innovative digital x-ray solutions suit multiple diagnostic environments with different needs.

- Excellent image quality using direct deposited CsI
- Ultimate sharpness image by TRUVIEW® ART
- Instant upgrade to digital mobile X-ray system
- Patient dose reduction with reliable Lossless AED
- High resistance to impact and vibration
- Low price fixed grid (120 lines / inch)
- Light weight and durable design for portable applications

‘Lossless AED’ promising ‘Dose Reduction’ & ‘TRUVIEW® ART’ promising sharper and more accurate images with ‘30% higher MTF’
Lossless AED

Conventional AED function consists of three steps: X-ray sensing, panel reset, and charge integration. Integration time is delayed as extra time is required for panel reset which occurs after the panel senses the incoming x-ray signal. The loss is inevitable even when separate sensor modules within the detector system are used. When acquiring images of thick objects, the loss rate can increase even further. Lossless AED innovatively improved the reliability of sensitivity through operating scheme optimization.

Benefits of Lossless AED
- Patient dose reduction with more reliable x-ray sensing and integration
- Increased AED sensitivity
- Stable and highly accurate x-ray sensing
- Reliable operation without interruption by external shock or vibration
- Long lasting battery with low power consuming operating system
- Easy switch from sleep mode to acquisition mode with ‘Smart Mode Changes’

WPCS (Wireless Power Charging System)
EVS 3643 is embedded with a wireless charging system that enables seamless 24 hours wireless operating environment. WPCS technology makes possible operation with wireless charging without changing the battery.
EVS-4343G
Slim Cassette Wired FPD (43 x 43 cm², 15 mm)

• Slim cassette size (43 x 43 cm², 15 mm)
• High definition by direct deposition
• Fast image acquisition time less than 2 sec
• Image enhancing by TRUVIEW™ ART

✓ General Radiography
✓ Portable Radiography

EVS-3643G
Slim Cassette Wireless FPD

• Instant upgrade to digital mobile x-ray system
• High resistance to impact and vibration
• Portable dual battery charger
• Image enhancing by TRUVIEW™ ART
• Long lasting battery

✓ General Radiography / Portable Radiography
✓ Mobile Radiography / Vet. Portable / Security / NDT

EVS-2430W
Slim Wireless FPD

• High definition imaging with smallest 76µm pixel
• Ultimate portability
• WPCS Power System (Wireless Charging)
• Smart information by OLED display
• Light weight 1.9 kg (w. battery) and fancy design
• Various applications available

✓ General Radiography / Mobile Radiography
✓ Neonatal / Pediatric / Portable Radiography

Product Specification

<table>
<thead>
<tr>
<th>Model</th>
<th>EVS 3434 (Wired)</th>
<th>EVS 3643 (Wireless)</th>
<th>EVS 2430W (Wireless)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detector Type</td>
<td>Direct deposition CsI or Gadox</td>
<td>Direct deposition CsI or Gadox</td>
<td>Direct deposition CsI or Gadox</td>
</tr>
<tr>
<td>Weight</td>
<td>4.5 kg</td>
<td>2.98 kg</td>
<td>1.9 kg</td>
</tr>
<tr>
<td>Active Area</td>
<td>430 x 430 mm</td>
<td>358 x 430 mm</td>
<td>233.47 x 291.84 mm</td>
</tr>
<tr>
<td>Pixel Pitch</td>
<td>140 µm</td>
<td>140 µm</td>
<td>76 µm</td>
</tr>
<tr>
<td>Resolution</td>
<td>3.072 x 3.072</td>
<td>2.560 x 3.072</td>
<td>3.072 x 3.840</td>
</tr>
<tr>
<td>A/D Conversion</td>
<td>14 bit</td>
<td>14 bit</td>
<td>16 bit</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>DC 12V, 5A</td>
<td>DC 12V, 5A</td>
<td>DC 12V, 5A</td>
</tr>
<tr>
<td>Communication</td>
<td>Giga Ethernet</td>
<td>Giga Ethernet / IEEE 802.11n (5 GHz)</td>
<td>Giga Ethernet / IEEE 802.11n (5 GHz)</td>
</tr>
<tr>
<td>X-ray I/F</td>
<td>Lossless AED / Sync Trigger</td>
<td>Lossless AED / Sync Trigger</td>
<td>Lossless AED</td>
</tr>
</tbody>
</table>

Model | EVS 3643 (Wireless) | EVS 2430W (Wireless) |
Detector Type | Direct deposition CsI or Gadox | Direct deposition CsI or Gadox |
Weight | 2.98 kg | 1.9 kg |
Active Area | 358 x 430 mm | 233.47 x 291.84 mm |
Pixel Pitch | 140 µm | 76 µm |
Resolution | 2.560 x 3.072 | 3.072 x 3.840 |
A/D Conversion | 14 bit | 16 bit |
Input Voltage | DC 12V, 5A | DC 12V, 5A |
Communication | Giga Ethernet / IEEE 802.11n (5 GHz) | Giga Ethernet / IEEE 802.11n (5 GHz) |
X-ray I/F | Lossless AED / Sync Trigger | Lossless AED |
**User Experience Design**
- Smart workflow minimizing switches and mouse clicks
- Editable tool bar
- Easy to change parameters using ‘Wizard’

**Easy to use stitching (Max. 4 images)**

**Grid Pattern Removal Algorithm with pre-processing**
- Direct type fixed grid (FG14, 17)
- Indirect type fixed grid (EFG 14,17)

---

**Excellent Post-Processing Image Quality**
Optimized algorithms and parameters for each body part. Adaptive noise reduction to minimize image signal loss. Image detail enhancement by multi-frequency image processing.

**User Experience Design**
Smart workflow minimizing the need for page switch and mouse click. Editable tool bar and dual monitor support. Easy to use stitching (up to 5 images).

**Image Parameter Tuning Wizard**
User can select from 9 image styles processed using different parameters on a 3x3 matrix display.

**Tablet, Smart Phone Supports**
Supports viewing of crystal clear digital images on display devices with WiFi communication such as Smart Phones and Tablets.
Cutting edge technologies, INVICTUS delivers a fully integrated MRI experience.

- Single – column, C – type, 360° openness
- Innovative load-adaptive PWM technology
- High performance gradient transmit coil to ensure super-fast imaging

Living proof of the latest technology
MRI research scientists, engineers and clinical experts have been delivering increasingly impressive MRI innovations for the past four decades. The library of MRI innovations has had a most profound effect on the way Radiologists make their diagnosis. Improvements in hardware design and clinical applications have brought MRI scanner technology to an unprecedented level of sensitivity and specificity - enabling early detection and more effective treatment of disease. This paradigm of continuous innovation has (in fact) saved lives, reduced human suffering and reduced the overall cost of delivering healthcare.

Four channel PA coil to provide scanning for each organ

<table>
<thead>
<tr>
<th>Product Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gantry</strong></td>
</tr>
<tr>
<td>Stabilization magnetic field strength: 0.35T (14.8MHz)</td>
</tr>
<tr>
<td><strong>Gradient system</strong></td>
</tr>
<tr>
<td>Gradient magnetic field intensity: max 30mT/m</td>
</tr>
<tr>
<td>Slew rate max: 60T/m/s</td>
</tr>
<tr>
<td><strong>Patient table</strong></td>
</tr>
<tr>
<td>Table width 860mm / Table length 2,850mm</td>
</tr>
<tr>
<td><strong>RF system</strong></td>
</tr>
<tr>
<td>4-channel output</td>
</tr>
</tbody>
</table>
Featuring cutting-edge technologies, INVICTUS 1.5T delivers a fully integrated MRI experience.

The INVICTUS SUPER 1.5T features superior main magnet homogeneity, the 16-Channel, high-performance gradients, as well as advanced MRI clinical applications that generate high-resolution, real-time scanning. The INVICTUS SUPER 1.5T provides optimal image quality while producing exceptional diagnostic results for every patient.

The INVICTUS SUPER 1.5T is designed to provide optimal image quality and best diagnostic results for every patient.

**Acquisition Techniques**

The INVICTUS 1.5T will provide the following acquisition techniques:

- Respiratory Gating
- Optimized band width
- Pre saturation
- Half Scan
- Partial Echo
- Rectangle FOV
- MTC
- Contrast Dynamic Image
- Flow compensation

**Gradient Echo**

- 2D and 3D GESP (Gradient Echo with Spoiler)
- Flow compensation
- 2D GESP-MS
- 2D and 3D GESS-FID
- 2D and 3D GESS-FID
- 2D and 3D GESS-Echo
- 2D and 3D SSDUAL (DESS)
- GESSFE (True FISP)
- 2D and 3D Jet GESP
- Inversion recovery and fast inversion recovery
- Short time inversion recovery
- Long time inversion recovery
- Flow compensation
- Fat saturation
- Pre - saturation
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- 2D and 3D GESS-Echo
- 2D and 3D SSDUAL (DESS)
- GESSFE (True FISP)
- 2D and 3D Jet GESP
- Inversion recovery and fast inversion recovery
- Short time inversion recovery
- Long time inversion recovery
- Flow compensation
- Fat saturation
- Pre - saturation

Integrated Imaging + Target Coil System

173-cm “Golden Section” design Magnet

Acquisition Techniques

The INVICTUS 1.5T will provide the following acquisition techniques

- Respiratory Gating
- Optimized band width
- Pre saturation
- Half Scan
- Partial Echo
- Rectangle FOV
- MTC
- Contrast Dynamic Image
- Flow compensation

Product Specification

<table>
<thead>
<tr>
<th>Gantry</th>
<th>Superconductive magnet 1.5 tesla</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leakage flux</td>
<td>(0.5mT) : 2.5m×4.0m (RadiallyAxially)</td>
</tr>
<tr>
<td>Gradient system</td>
<td>Maximum magnetic strength 33mT/m</td>
</tr>
<tr>
<td></td>
<td>Maximum slew rate 130T/m/sec</td>
</tr>
<tr>
<td>Patient table</td>
<td>Table width 700mm (Table top width : 506mm)</td>
</tr>
<tr>
<td></td>
<td>Table length 2,350mm</td>
</tr>
<tr>
<td>RF system</td>
<td>16 channel (Max.)</td>
</tr>
</tbody>
</table>

BRAIN IMAGES

SPINE IMAGES
**ZEN-2090 Pro**  
Surgical C-arm 3.2kw

**Strong, Silent and Convenient.**  
Enjoy our new and improved vertical column which provides silent movement despite its reinforced, sturdy frame.

**1K x 1K high resolution CCD camera**  
1K x 1K high resolution CCD camera makes sharp and keen medical images which make it very fit for the most superior hospital as the best C-ARM.

**Unrivaled value**  
- See tissues with ultra-sharp imaging  
- Proven technology from X-ray system manufacture

**ZENIS Software**  
User friendly interface  
Easy to use database management  
DICOM 3.0 Viewer

**ZEN-5000 pulsed 15fps or 30fps**  
Equipped with a 30 frame per second pulse mode, the radiation amount is reduced in half when compared to that of the continuous mode to obtain the same exact image.
**ZEN-7000**
Surgical C-arm 15kw

**Powerful and high performance**
- Rotating anode tube
- Virtual collimation
- 70,000 image capacity with ZENIS system
- DSA (Digital Subtraction Angiography) function availability (option)

1K x 1K high resolution CCD camera
1K x 1K high resolution CCD camera makes sharp and keen medical images which make it very fit for the most superior hospital as the best C-ARM.

Full operation provided by LCD Touch screen panel.
Easy control for shooting condition, KV, mA control, saving image, image management select part to shoot, collimator control, and etc.

Virtual collimator
With our Virtual Collimation, adjust the collimator by virtually adjusting the blade positions on the touch screen LCD panel and save yourself unnecessary radiation exposure.

ZEN-7000 pulsed 15fps or 30fps
Equipped with a 30 frame per second pulse mode, the radiation amount is reduced in half when compared to that of the continuous mode to obtain the same exact image.

**Product Specification**

**Generator**
- Type: High Frequency Inverter, 15kW
- kV range: 40-120kV (1step)
- mA range: 0.2-6mA, 1-25mA (Snapshot mode)
- Auto Brightness Control (ABC)

**Tube**
- Focal spot size: 0.3/0.6mm
- Anode heat capacity: 300,000HU, Rotating anode
- Target angle: 10degree

**Image Intensifier & CCD Camera**
- 12"I.I, Triple Field (12"/9"/6")
- 1K x 1K CCD Camera, 16F memory, last hold
- 19" B/W TFT LCD 2-monitors & monitor cart

**Collimator**
- iRIS Collimator

**C-arm**
- Free size: 780mm, Depth: 680mm
- Horizontal movement: 200mm
- Vertical movement: 500mm
- Panning motion: ±12.5°, Pivot rotation: ±190° (limited)
- Orbital rotating: 135° Reverse position: Yes

**Image Management S/W**
- ZENIS system w/PC

**Power Requirement**
- 220Vac, 50/60Hz

**Options**
- DSA (Digital Subtraction Angiography)
- ZEN-7000 w/9"I.I
MX 300
Analog Mammography

Powerful and high performance
MX-300 is a premium mammography system from GENORAY with technology from a leader in Mammography.

Intelligent AEC (Automatic Exposure Control)
- Enables to get suitable images from film, CR and DR detectors with optimal dose of radiation.
- Enhances convenience operation remarkably.

Smart Compression System by Smart Microprocessor
- Enables to find the optimal pressure (upto 20kg) automatically
- Enables to minimize the discomfort of the examination

Product Specification

Generator
- Type: High Frequency Inverter (40kHz)
- Radiographic rating:
  - Large focus 22-39kV/1-600mAs
  - Small focus 22-35kV/1-100mAs

Tube
- Focal spot size: 0.1/0.3mm
- Anode heat capacity: 300KHU (Molybdenum)
- Filtration: Mo

Radiographic Stand
- Up/Down movement: 597-1397mm
- Rotating movement: R180° / L160°
- SID: 600mm fixed distance

Bucky Device
- Cassette size: 18x24cm, Grid: 4:1, 91Line/inch

Automatic Exposure Control (AEC)
- Type: Solid state detector
- Mode: 3modes (Full/Semi/Manual)
- Density adjustment: 19steps

Accessories
- Face protection
- Film marker, Hand switch, Spot compression paddle
- 18x24cm Bucky device with compression paddle
- Collimation Device(18x24 & Spot plate)

Options
- 24x30cm Bucky Device Set
- 1.5X or 1.8X Magnification Device Set
**Prominent Technology in Mammography**

MX-600 is a high performance mammography system with economic feasibility that has been loved by many hospitals and clinics, worldwide.

**ASP (Auto Standard Positioning)**
It provides convenient imagery filming by processing so-called “standard picturing”, which films automatically up/down and in/out section in order.

**Automatic Collimation**
A fully automatic collimation prevents malfunctioning and makes operation easier.

**SID 650mm**
It provides convenient positioning for patient with expanded free space.

**7 Inch LCD Touch Panel**
It helps to operate device easily with GUI touch panel

**100mA High-Definition Inverter**
A generator of high-definition inverter type provides stable high-definition image by exposing low radiation.
DMX-600
Digital Mammography

Full-Field Digital Mammography System
DMX-600 provides you with convenient diagnosis circumstance of excellent image quality, comfort and satisfaction as well by advanced and dedicated technology for digital mammography..

Excellent & High resolution Image quality
- Innovative and accurate technology of Crystalline Silicon CMOS active pixel detector with higher contrast, higher resolution, brilliant images and economic maintenance cost.
- High performance of dual target X-ray tube for dose reduction.
- High output power of HF Generator with stability and efficiency.
- Stable hardware with the best reproducibility.
- Automatic Collimation
- A fully automatic collimation prevents malfunctioning and makes operation easier.

Large F.O.V. (Field Of View) by Multi-format technology
- Optimally suited for screening and diagnosis with the financial advantages.
- Patent Application No.: 10-2011-0139676
- Available large F.O.V. to 23x23cm for almost patient.

Smart Software user alike
- Customized and dedicated acquisition workstation.
- Perfect PACS accessibility with full DICOM capability.
- Extremely fast saving and transferring images for quick access and optimized workflow.

Product Specification

Generator
- Type: High Frequency Inverter (40kHz)
- Radiographic rating:
  - Large focus 22-39kV/1-600mAs
  - Small focus 22-35kV/1-100mAs

Tube
- Focal spot size: 0.1/0.3mm
- Anode heat capacity: 300KU (Molybdenum)
- Filtration: Mo/Al

Radiographic Stand
- Up/Down movement: 720-1420mm (Motorized)
- Rotating movement: ±180˚ (Motorized)
- Auto Standard Positioning (ASP)
- SID: 650mm

Image Detector
- Indirect (CMOS) 23X23 (sensor size: 23X15) / 75um

Automatic Exposure Control (AEC)
- Type: Solid state detector
- Mode: 3modes (Full/Semi/Manual)
- Density adjustment: 19steps

Collimator: Auto

AWS: DICOM / Print / Store / Worklist

Monitor: 23’ LCD Monitor, 2MP(1920X1080)

Accessories
- Face protection
- Compression paddles(24X30 cm & Spot)
- Hand switch
- Lead Glass Protection(0.5pb of lead Acryl protection)

Options
- DMX-600 (F) Large Sensor Model

Full-Field Digital Mammography System
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ROSE-M (RSM-2430C)  
Flat Panel Detector for Analog Mammography

World First Cassette Type  
Mammo Digital Upgrade Solution

- High AEC compatibility
- No system modification required
- Fast image acquisition (Preview 2sec., Full 9sec.)
- High quality image with 76μm pixel pitch and Truview-Art
- Mobile Examination Bus application

Easy Upgrade
perfect AEC Calibration

Specialized mammography software  
Designed and perfected by radiologists for user convenience

FLAT PANEL DETECTOR
- 2430 WIRED TYPE, CsI Direct deposition
- Pixel pitch : 76μm
- Resolution : 3,840 x 3,072
- A/D Conversion : 16 bits
- MTF : 65 @ 3 lp/mm
- Preview time : 2 sec, Image display : 8-9 sec
- Weight : 1.2 kg
- Overall dimension : 327.5 x 253.7 x 14.2 mm

STANDARD PACKAGE
- RSM 2430C Mammo Flat Panel Detector
- Software CD : RCONSOLE, RCALI, Map Data, Manual
- Software / Hardware Dongle for license
- RSM SSU02 : System Synchronization Unit
- Acryl (260X340X40mm, Calibration)
- Acryl Bag (260X340X40mm)
- AC Power Cable
- RSM 2430C POE Cable 6M
- LAN Cable (2M, 10M)
- LAN Card (PCI-E Type)
SUPiA made by Signers offers such a better clinic environment with no chemicals, ideal space, high resolution image quality and affordability.

- Extremely simple design for cassette locking, IP gripping and IP transfer
- No damage or scratch on image plate during scanning & erasing
- No cut-off image during winter or cold period
- Flip covers preventing dust from scanner inside

Rigid Type
- No damage or scratch on image plates during scanning & erasing
- Scanning & Erasing without roller
- No cut-off image during winter and cold period

Durability
- Extremely simple structure design
- Strong aluminum base plate
- Flip covers preventing dust from inside scanner

Fast Scan & Erase

<table>
<thead>
<tr>
<th></th>
<th>14 x 17&quot;</th>
<th>10 x 12&quot;</th>
<th>18 x 24cm (50µ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>High resolution throughput (80µ)</td>
<td>56&quot; (64 IPs/hour)</td>
<td>41&quot; (87 IPs/hour)</td>
<td>48&quot; (75 IPs/hour)</td>
</tr>
<tr>
<td>Standard resolution throughput (160µ)</td>
<td>38&quot; (94 IPs/hour)</td>
<td>28&quot; (127 IPs/hour)</td>
<td></td>
</tr>
</tbody>
</table>

Barcode System
- Automatically recognising cassette sizes(14x17", 10x12", 18x24cm) by barcode reader
SONOST-2000
Ultrasound Bone Mineral Densitometry (BMD)

Easy, Quick, Simple & Safe measurement.

SONOST-2000 is a dry mode ultrasound bone densitometry that boasts a quick measuring speed of 15 seconds, easy operation and high durability. Its compact design makes it portable enough to use with a laptop anywhere.

- Features
  - Compact design
  - Portable (Using laptop)
  - Quick measuring speed (15 sec.)
  - High durability
  - Simple installation and use
  - Easy to clean and low maintenance
  - Comprehensive result and trend report

- Measurement Site: Calcaneus (Heel)
  Specially designed calf supporter, foot guide and foot positioner for the accurate measurement

- Easy replacement of balloon and easy maintenance by water tray

- Simple replacement process for the balloon

<table>
<thead>
<tr>
<th>System</th>
<th>Measurement method</th>
<th>Measurement site</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>QUS (Quantitative Ultrasound)</td>
<td>Calcaneus</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performance</th>
<th>Measurement time</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min. 15 sec.</td>
<td>Estimated heel BMD and Bone Quality index (BQI) Obtained from measured Broadband Ultrasound Attenuation (BUA) and Speed Of Sound (SOS)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Estimated index in vivo</th>
<th>SOS (C.V.%)</th>
<th>BUA (C.V.%)</th>
<th>BQI (C.V.%)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.2</td>
<td>1.5</td>
<td>1.5</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>QC Check</th>
<th>Daily QC phantom</th>
</tr>
</thead>
</table>

| Result display | Measurements are displayed as raw data, T-score, Z-score and % expected and graphically plotted against normative data curves |

<table>
<thead>
<tr>
<th>Dimensions and Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension</td>
</tr>
<tr>
<td>Weight</td>
</tr>
</tbody>
</table>
SONOST-3000 Ultrasound Bone Mineral Densitometry (BMD)

**Easy, Quick, Simple & Safe measurement.**

SONOST-3000 is a portable stand-alone quantitative ultrasound (QUS) BMD with an embedded PC, colorful touch screen and thermal printer.

- **Features**
  - Portable, Waterless probe
  - Built-in computer and thermal printer
  - 7” TFT LCD color touch screen
  - Automatic positioning probes
  - Quick scanning speed (10 sec.)
  - Scan site: Calcaneus
  - Easy to clean and low maintenance

- **Measurement Site:** Calcaneus (Heel)
- **High scan speed**

- **Portable device with Window-based embedded PC**

- **An external monitor and a keyboard can be connected through USB and VGA port**

- **SONOST-3000’s algorithm for a temperature compensation function offers more accurate result by taking the nearby temperature into consideration at the time of the measurement**

---

**System**

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**Performance**

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**Result display**

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**Dimensions and Weight**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>300 x 620 x 390 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>12 kg</td>
</tr>
</tbody>
</table>
Most easy to measure multi-site scan with quick scanning speed.

EXA-3000 is especially designed for scanning forearm and calcaneus of patient by DXA (Dual X-ray Absorptiometry) technology.

- **Features**
  - Quick scanning speed: 5 sec.
  - Multi-site scan: Forearm, Calcaneus
  - Precise measurement with DXA technology
  - Easy operation, Most comfortable design
  - Low radiation
  - Reliable result
  - Trend report

- **By DXA with a cone beam technology, you can diagnose accurately with a low level of radiation dose.**

- **The easy and user-friendly interface of EXA-3000 offers you with the special result report suggesting a follow-up test and relevant treatment**

- **You can easily change the position of the measuring sites with the lifter. As a result, you can measure the two different areas, calcaneus and forearm, with one device.**

### System

<table>
<thead>
<tr>
<th>System</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-ray system</td>
<td>Stationary anode X-ray tube</td>
</tr>
<tr>
<td>Scanning method</td>
<td>Cone beam</td>
</tr>
</tbody>
</table>

### Performance

- **X-ray source**: Stationary anode X-ray tube
- **X-ray detector**: CCD detector
- **Scan sites**: Calcaneus, Forearm
- **Scan time**: Calcaneus: 5 sec., Forearm: 5 sec.
- **Reproducibility**: ≤ 1% C.V.

### Dimensions and Weight

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>670 x 410 x 373 mm</td>
<td>27.45 kg</td>
</tr>
</tbody>
</table>

### Optional Lifter

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>654 x 480 x 887 mm</td>
<td>36 kg</td>
</tr>
</tbody>
</table>
EXA-PRESTO
Cutting edge design of pDXA Bone Mineral Densitometry (BMD)

The art of beauty & gorgeous design of peripheral DXA system.

EXA-PRESTO is the portable pDXA with unique and compact design and it performs quick measuring of speed and more precise measurement with special designed positioner with low radiation level and it gives you easy operation with conventional work-station and well as laptop computer.

- Quick scanning speed: 5 sec.
- Multi-site scan: Forearm
- Precise measurement with DXA technology
- Easy operation, Most comfortable design
- Low radiation
- Reliable result, Trend report
- 3D image analysis

- Double Energy X-ray Absorptiometry (DXA) enables an accurate and swift measuring process
- Cone beam technology helps an accurate diagnosis within a short scanning time and with the low radiation doses.
- A specially designed hand positioner helps the precise positioning of an arm according to the arm length of each patient, which naturally results in the enhancement of the measuring accuracy.

Double Energy X-ray Absorptiometry (DXA) enables an accurate and swift measuring process
Cone beam technology helps an accurate diagnosis within a short scanning time and with the low radiation doses.
A specially designed hand positioner helps the precise positioning of an arm according to the arm length of each patient, which naturally results in the enhancement of the measuring accuracy.

<table>
<thead>
<tr>
<th>Measurement Method</th>
<th>Pdxa (Peripheral Dual Energy X-ray Absorptiometry)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scan Site</td>
<td>Forearm</td>
</tr>
<tr>
<td>Scan Time</td>
<td>5 sec.</td>
</tr>
<tr>
<td>Measurement Parameter</td>
<td>BMD, T-Score, Z-Score, BMC, Ratio of T-Score and Z-Score, FRAX</td>
</tr>
<tr>
<td>Dimension &amp; Weight</td>
<td>364 X 321 X 633 mm 18.6 kg</td>
</tr>
</tbody>
</table>
**EXCELLUS**

Half Body DXA Bone Mineral Densitometry (BMD)

The most accurate & precise DXA for body fat, lean and bone mass.

EXCELLUS is the brand new concept of conventional body composition system. The new body analyzer can quickly and easily measure half body composition of patient, especially Gynoid and Android regions with medical-grade DXA (Dual X-ray Absorptiometry) technology. And it can also scope fat mass and muscle mass in specific site of body with the Osteosys's specialized function of B-Scope (Body-Scope)

- **Features**
  - Half body DXA
  - Fan beam technology
  - Scan site: Half body, AP spine, Femur (Dual femur), Forearm, Lateral spine, LVA
  - AP spine, Dual femur and Forearm, Lateral BMD
  - Body composition & Assessment
  - With scan area: 800 x 480 mm
  - Scan time: AP spine (23 sec.), Femur (20 sec.)
  - Swing arm for space application
  - 650mm, comfortable bed height

---

**Product Specification**

<table>
<thead>
<tr>
<th>Measurement Type</th>
<th>Half body DXA (Half body composition and Assessment)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement Method</td>
<td>Narrow Fast Fan-Beam</td>
</tr>
<tr>
<td>Scan Site</td>
<td>Half body, AP Spine, Femur (Dual Femur), Forearm, Lateral Spine, LVA, Orthopedics</td>
</tr>
<tr>
<td>Measurement Parameter</td>
<td>BMD, T-Score, Z-Score, BMC, Area, BMI, B-Scope, Color Mapping (BCM, RCM, OCM), FRAX, Half Body BMD, Half body composition (FAT/Lean/BMC), HA (Hip Analysis), Dual Femur</td>
</tr>
<tr>
<td>Dimension</td>
<td>1900 X 800 X 1230 mm</td>
</tr>
</tbody>
</table>
PRIMUS
Whole Body DXA Bone Mineral Densitometry (BMD)

State-of-Art DXA whole body scanning system.

PRIMUS is the best one stop solution for the measurement of bone mineral densitometry alongside body composition and various assessments. Patients lie still on a table while a machine arm passes over their entire body, technicians can get information of BMD, lean body mass and fat mass for the whole body and individual regions. It helps us keep the body in balance especially fat and muscle.

Features
- Whole body DXA
- Fan beam technology
- Scan site: Whole body, AP spine, Femur (Dual femur), Forearm, Lateral spine, LVA
- Body composition: Fat mass, Lean mass, Total weight
- Assessment: Orthopedics, Pediatrics, Hip analysis, FRAX, Color mapping
- Whole body scan area: 2020 x 580mm
- Scan time: AP spine (30 sec.), Femur (25 sec.), Whole body (around 7 Min.)
- Drop-dead gorgeous design

Measurement Type
Whole body DXA
(Total body composition and Assessment)

Measurement Method
Narrow Fast Fan-Beam

Scan Site
Whole body, AP Spine, Femur, Forearm, Lateral Spine, LVA, Orthopedics

Scan Time
AP Spine: 30 sec (±2 sec)
Femur: 25 sec (±2 sec)
Forearm: 23 sec (±2 sec)

Measurement Parameter
BMD, T-Score, Z-Score, BMC, Area, BMI, B-Scope, Color Mapping (BCM, RCM, OCM), FRAX Total Body BMD, Total body composition (FAT/Lean/BMC), HA (Hip Analysis), Dual Femur

Precision & Accuracy
≤1.0% C.V.

QC Check
Daily QC Phantom

Dimension
2784 X 1045 X 1258 mm (Standard)
2290 X 1045 X 1258 mm (SB)
M-30  
**DEXXUM-T**  
Central DXA Bone Mineral Densitometry (BMD)

The most compact & Space-saving Central DXA Design

DEXXUM T, the Central dual energy x-ray absorptiometry bone mineral densitometry can be installed regardless of the location due to its compact design concept. It is the quickest way to undertake measurement for patients with the most comfortable posture.

- **Features**
  - Central DXA (Dual energy X-ray Absorptiometry)
  - Pencil beam technology
  - Scan site: AP spine, Femur (Dual femur), Forearm
  - Scan area: 580 x 480mm
  - Scan time: AP spine (85 sec.), Femur (65 sec.)
  - Space-saving design (Tri fold type patient table)
  - 650mm, The most comfortable bed height

<table>
<thead>
<tr>
<th>Product Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement Type</td>
</tr>
<tr>
<td>Measurement Method</td>
</tr>
<tr>
<td>Precision &amp; Accuracy</td>
</tr>
<tr>
<td>Measurement Parameter</td>
</tr>
<tr>
<td>Dimension</td>
</tr>
</tbody>
</table>
E-CUBE INNO goes where you go

ALPINION’s E-CUBE inno introduces more innovative technology. The E-CUBE inno is a HCU (hand carried unit) recognized for image uniformity, deep penetration, and strong durability. The HCU is built around ALPINION’s in-house technology to provide users a rapid and accurate diagnosis, regardless of space limitations and with guaranteed performance.

Never stop for life-saving situation

• Fast Boot-up time
A fast boot-up time is essential for patient treatment under emergency situations. The E-CUBE inno promises instantaneous use in critical moments.

• Intuitive workflow, Xpeed™
ALPINION’s Xpeed™ introduces one-touch optimization technology that facilitates an efficient workflow to activate a B-mode through a one-button process. This helps save diagnostic time through efficient, easy and rapid use.

Optimal image performance for high-risk diagnosis

• THI (Tissue Harmonic Imaging)
The E-CUBE inno utilizes THI to enhance image contrast and spatial resolution. It decreases noise interference to provide easily-recognized images.

• SRI (Speckle Reduction Imaging)
ALPINION’s unique SRI technology removes artifacts and enhances tissue edges for a clear diagnosis of the microscopic musculoskeletal structures.

• SCI (Spatial Compounding Imaging)
The SCI provides clearer images by improving the contrast resolution through multi-angle compounding beam projection.

E-CUBE INNO Design

Designed for Durability
The solid durable design provides consistent imaging performance. In addition, the semi-glossy exterior prevents dust contamination that can interfere with diagnosis.

Micro-pinless connector and dust cover
The E-CUBE inno utilizes a micro-pinless connector to prevent any subtle interference that would degrade ultrasound images. It also has a transducer dust door that prevents dust accumulation and guarantees a stable imaging performance.

Intelligent and EA SY-TO -USE key grouping for any emergent situations
ALPINION’s meticulous attention-to-detail includes intelligent and intuitive user keys that enable a quick and easy diagnostic environment.
The innovative portable system

The advantages of a cart-based system made the innovative portable system, E-CUBE i7. To overcome the shortcomings in image quality of a portable system, ALPINION built the E-CUBE i7 around a cart-based system's architecture. Thanks to this powerful and stable architecture, the E-CUBE i7 delivers remarkably excellent and uniform image performance throughout its lifetime.

Imaging Technologies
- Advanced Spatial Compounding Imaging (SCI)
- Harmonic Imaging (FTHI/PITHI)
- Speckle Reduction Imaging (SRI/FullSRITM)
- Tissue Doppler Imaging

Software Technologies
- Needle VisionTM
- XpeedTM (Auto Image Optimization)
- Auto IMT measurement
- CW
- Panoramic Imaging

High-frequency enhanced linear transducer
The E-CUBE i7 features a high-frequency linear transducer, the hockey stick-shaped IO8-17T. The IO8-17T is ideal for imaging for superficial, nerve blocks, and vascular procedures. IO8-17T’s small footprint allows easier access to tight spots and its excellent resolution in the near field provides extremely detailed anatomical information for your patients.

Speed
The embedded SSD not only enhances the E-CUBE i7’s operational speed, but also its stability. From boot-up to initializing a scan, the time is less than 60 seconds.

Efficiency
The E-CUBE i7’s extended transducer connections up to three probes enables you to be ready for a range of scans carrying with different types of probes.

Optimal Clinical Environments
A full color backlit LED keyboard was designed with any clinical environmental setting. Also, with advantage of H/W design, the E-CUBE i7 is almost silent at 31dB when running, which is equivalent to the sound of a library.

Complete cardiac solution
The system supports a complete suite of cardiac solutions enabling the flexibility to scan a variety of patient bodytypes from pediatrics to adult phased array transducers with ECG module.
Core value with core technology

The E-CUBE 5 combines more compact and smarter solutions with powerful performance. The outstanding image quality results from ALPINION’s refined acoustic technology that perfectly manages and handles ultrasound signals. And ALPINION’s unique software packages for multiple applications enhance diagnostic confidence and efficiency.

Optimal Imaging Suite™
ALPINION’s core imaging technology set creates optimized images by effectively decreasing artifacts and enhancing the edge of organs.
You can experience clearer images with technologies such as SCI, FCI, FTHI, PITHI, SRI and FullSRI™

FleXcan™ Architecture
ALPINION’s software driven imaging platform ensures stable imaging performance and uniform image quality.

Auto IMT
Auto IMT easily and quickly determines the thickness of the near and far carotid walls with the touch of a single button.

Xpeed™
Xpeed™ optimizes images in B-mode, Color Flow and Doppler modes with one button operation.

Application specific measurement package
Diagnostic efficiency is doubled through an onboard measurement package.

DICOM 3.0 Connectivity

General Imaging
Excellent 2D, Color and Doppler image quality with the convex transducer.

Musculoskeletal
Great contrast resolution with the linear transducer.

Women’s Health
Enhanced image quality for fetus, uterus and breast by various transducer range including endocavity, endovaginal, convex and linear. Tissue Harmonic Imaging and DICOM structured reports support users’ confident diagnosis.
All-in-One Solution for Top Performers

Embedded with ALPINION’s core imaging technology and imaging platform, the E-CUBE 7 provides clinicians with excellent 2D, Color Flow and CW/PW Doppler performance. The E-CUBE 7 is the only system in its class that provides high featured transducers like single crystal convex and phased array.

Optimal Imaging Suite™
ALPINION’s core imaging technology set creates optimized images by effectively decreasing artifacts and enhancing the edge of organs. You can experience clearer images with technologies such as SCI, FCI, FTHI, PITHI, SRI and FullSRI™

FleXcan™ Architecture
ALPINION’s software driven imaging platform ensures stable imaging performance and uniform image quality.

Auto IMT
Auto IMT easily and quickly determines the thickness of the near and far carotid walls with the touch of a single button.

Xpeed™
Xpeed™ optimizes images in B-mode, Color Flow and Doppler modes with one button operation.

Application specific measurement package
Diagnostic efficiency is doubled through an onboard measurement package.

DICOM 3.0 Connectivity

<table>
<thead>
<tr>
<th>General Imaging</th>
<th>Musculoskeletal</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="General Imaging" /></td>
<td><img src="image2.png" alt="Musculoskeletal" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cardiology</th>
<th>OB/GYN</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3.png" alt="Cardiology" /></td>
<td><img src="image4.png" alt="OB/GYN" /></td>
</tr>
</tbody>
</table>
Continuous Innovation-Superior and Reliable

The ALPINION E-CUBE series continues to evolve through unique and reliable technological breakthroughs. The E-CUBE 9 DIAMOND integrates ALPINION’s core imaging technologies to provide uniform and fundamentally excellent image quality across the whole product lifetime.

Optimal Imaging Suite™
ALPINION’s integrated post-processing technology set (Optimal Imaging Suite), embedded in the E-CUBE 9 DIAMOND, creates optimized images for each application by effectively decreasing artifacts and enhancing the borderline of each organ.

FleXcan™ Architecture
ALPINION’s unique ultrasound imaging platform (FleXcan Architecture) is a software driven structure that ensures stable imaging performance, easy software upgrades and uniform image quality throughout the whole product lifetime.

Crystal Signature
ALPINION’s unique acoustic engineering produces a superior beam-field pattern that provides a uniform image performance. ALPINION’s specialized single crystal technology produces a characteristically sharp and deep elevation beam focus. The innovative single crystal technology is characterized by a higher energy conversion efficiency than conventional piezo-ceramic materials that provides greater uniformity and sensitivity. The focused beam pattern, produced by ALPINION’s single crystal technology (Crystal Signature), results in high-resolution image, wide-bandwidth images, and deep penetration.

• Auto IMT
Carotid scanning observes early stage arteriosclerosis. ALPINION’s Auto IMT software enables accurate, automatic and precise measurements of the thickness of the upper and lower intima-media through a single line near the intima.

• Live HQ
The combination of qualified 3D/4D transducers with strong performance reliability of geometrical accuracy enables ALPINION’s Live HQ™ software to render a realistic fetal shape. The innovative illumination effect enhances the diagnostic confirmation of a morphological examination.

• CUBE Strain
ALPINION’s strain imaging enables the quantitative and objective evaluation of myocardial contractions. CUBE Strain detects velocity gradients and helps clinicians analyze regional myocardial function.

• Xpeed
Xpeed optimizes images in B-mode, color flow and Doppler mode with one button operation.
Touch your daily practice

To enhance exam efficiency, E-CUBE 11 has been re-designed to simplify and streamline day-to-day workflow. Our intuitive, tablet-like touchscreen interface is designed to reduce reach and button pushes. It also enables you to focus more on your patients with quick responses and precise key selection.

Elastography
- Strain elastography: an emerging set of ultrasound to demonstrate relative tissue stiffness
- Additional information to describe pathologies and help to reduce unnecessary procedures
- Real-time feedback on the compression quality ranging from 1 to 6, helping you monitor the compression technique

Stress Echo / CUBE Strain™ / Auto IMT

Stress Echo
- Streamlines workflow of Stress Echocardiogram combined with treadmill test to provide diagnostic confidence

CUBE Strain
- Echocardiographic strain and strain-rate imaging: a non-invasive method to assess myocardial function
- 2D speckle tracking technology allowing angle-independent analysis for more accurate assessment

Auto IMT
- Allows you to automatically measure intima-media thickness of carotid arteries
- Enables more reliable and reproducible assessment

Volume Master™
(3D/4D rendering technology)
- Enables you to obtain reproducible planes and better anatomical views which are not possible with 2D scanning
- Multi Planar Rendering, Cube CT, and Multi Slice View provide the clinical benefits of CT or MRI

LIVE HQ™
- Volume rendering tool to show more realistic images
- Helps you to better understand the anatomical characteristics
Confident Diagnosis, Confident Decisions

The E-CUBE 15 EX provides progressive and versatile diagnostic solutions with exceptional performance and excellent image quality that enhance diagnostic confidence. The E-CUBE 15 EX offers extensive shared service capabilities for vascular, cardiac, abdominal, pediatric/fetal, musculoskeletal, urology, prostate, and Ob/Gyn practices.

Elastography
• Strain elastography: an emerging set of ultrasound to demonstrate relative tissue stiffness
• Additional information to describe pathologies and help to reduce unnecessary procedures
• Real-time feedback on the compression quality ranging from 1 to 6, helping you monitor the compression technique

Stress Echo / CUBE Strain™ / Auto IMT

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• Multi Planar Rendering, Cube CT, and Multi Slice View provide the clinical benefits of CT or MRI

LIVE HQ™
• Volume rendering tool to show more realistic images
• Helps you to better understand the anatomical characteristics
Generator
- Type: High Frequency Inverter (40kHz)
  - kV range: 60-90
  - mA range: 4-12

Tube
- Focal spot size: 0.5 mm
- Stationary Anode
- Target Material: Tungsten
- Target Angle: 5 degrees

Collimator
- Exposure Field Size (HxW, mm)
  - Panorama: 150 x 4.8

Image Receiver
- CdTe Line sensor
- Resolution: 64 x 1500 pixels

Image Management S/W
- TRIANA (DICOM 3.0)

Standard Accessories
- PC: (Server/ Desktop in one set), Monitor: 19"
- Diagnostic Software: TRIANA
- Hand Switch, Bite, TMJ / Sinus support, Bite cover
- Stainless Ball (for Calibration/ mm)

Options
- CUST (Cubic Semi Tomography)

Panoramic Imaging
By choosing a sensor, which improves the image quality while keeping radiation exposure to a minimum, Genoray has shown that it puts patient’s safety first.

The Different Detector Types
High-Definition images distinguish themselves from the old indirect conversion type of a CCD sensor. This should be the only way you view images

Multi-Focus Function
Multi-focus function enables to overcome operator's mistake from patient's faulty positioning and re-exposing X-ray. By reconstructing image with software way, the panoramic images layer can be corrected by multi-focus function.

Exposure Programs
Standard panoramic, orthogonal panoramic, bitewing panoramic, child panoramic, TMJ lateral double, horizontal & vertical X-ray segmentation, TMJ PA double, TMJ LAT-PA, TMJ LAT-PA double, sinus lateral and sinus PA
New Concept/Multi-functional Imaging System
Meet the convergence of new technologies to create a stable technology to meet the challenges and hopes for a new world.

Genoray strives to fulfill a commitment to meet the every changing challenges in the Dental imaging industry through advances in technology. Always creating technology of tomorrow for you.

Panoramic Imaging
By choosing a sensor, which improves the image quality while keeping radiation exposure to a minimum, Genoray has shown that it puts patient’s safety first.

Cephalometric Imaging
When compared to the standard scanning method, PAPAYA PLUS has the shortest scan time out there. Among patient discomfort, image's swing, and distortion, they are reduced along with the short scan time.

High Resolution Cephalometric Technology
It is enough only 4 second for scanning cephalo image on fast mode. This reduces motion artifacts.

Mid-hole for Ceph.
The optimized mechanical structure is designed for symmetrical balance, enhanced safety and durability.

Product Specification

Generator
• Type: High Frequency Inverter (40kHz)
  : kV range: 60-90
  : mA range: 4-12

Tube
• Focal spot size: 0.5 mm
• Stationary Anode
• Target Material: Tungsten
• Target Angle: 5 degrees

Collimator
• Exposure Field Size (HxW, mm)
  : Panorama- 150 x 4.8 / Cephalo: 240 x 4.8

Image Receptor
• CdTe Line sensor
• Resolution: 64 x 1500 pixels

Cephalometric Image Management S/W
• TRIANA (DICOM 3.0)

Standard Accessories
• PC: (Server/ Desktop in one set), Monitor: 19”
• Diagnostic Software: TRIANA
• Hand Switch, Bite, TMJ / Sinus support, Bite cover
• Stainless Ball (for Calibration/ mm)

Options
• CUST (Cubic Semi Tomography)
**D-03 PAPAYA 3D**
3D CT + Panoramic Imaging

**Generator**
- Type: High Frequency Inverter (40kHz)
  - kV range: 60-90
  - mA range: 4-12

**Tube**
- Focal spot size: 0.5 mm
- Stationary Anode
- Target Material: Tungsten
- Target Angle: 5 degrees

**Collimator**
- Exposure Field Size (HxW, mm)
  - Panorama: 150 x 4.8

**Image Receptor**
- CMOS sensor
- Resolution: 64 x 1500 pixels

**Image Management S/W**
- TRIANA (DICOM 3.0)

**Standard Accessories**
- PC: (Server/ Desktop in one set), Monitor: 19"
- Diagnostic Software: TRIANA
- Hand Switch, Bite, TMJ / Sinus support, Bite cover
- Stainless Ball (for Calibration/ mm)

**Combination Imaging System**
Papaya 3D combines 3D CT and Panoramic and Cephalometric (optional), to meet all diagnostic needs.

The versatile imaging capability provides the user with accurate information for implant imaging.

**3D CT, Panoramic Imaging**
The versatile imaging capability provides the user with accurate information for implant planning.
- 7.7 sec Fast Scan for 3D image
- Dedicated three sensors for each mode

Automated sensor switching for each scanning mode.
Auto-swing system positions the appropriate sensor without manual intervention.

The structure is optimized for safety, stability, and durability.
- Balance prevents position errors during scan
- Stability reduces installation requirements

**Multi-FOV Selection (4x5, 14x14)**
Multi-F.O.V. selection enables accurate scanning whilst keeping dose levels to a minimum.
- FOV 4x5, 7x7, 8x8, 14x8, 14x14
PAPAYA 3D-PLUS
Dental 3D CT Imaging System
3D CT+ Panoramic + Cephalometric Imaging

Product Specification

Generator
- Type: High Frequency Inverter (40kHz)
  - kV range: 60-90
  - mA range: 4-12

Tube
- Focal spot size: 0.5 mm
- Stationary Anode
- Target Material: Tungsten
- Target Angle: 5 degrees

Collimator
- Exposure Field Size (HxW, mm)
  - Panorama: 150 x 4.8 / Cephalo: 240 x 4.8

Image Receptor
- CMOS sensor
- Resolution: 64 x 1500 pixels

Cephalometric

Image Management S/W
- TRIANA (DICOM 3.0)

Standard Accessories
- PC: (Server/ Desktop in one set), Monitor: 19"
- Diagnostic Software: TRIANA
- Hand Switch, Bite, TMJ / Sinus support, Bite cover
- Stainless Ball (for Calibration/ mm)

3D CT, Panoramic Imaging
The versatile imaging capability provides the user with accurate information for implant planning.
- 7.7 sec Fast Scan for 3D image
- Dedicated three sensors for each mode

Automated sensor switching for each scanning mode.
Auto-swing system positions the appropriate sensor without manual intervention.

The structure is optimized for safety, stability, and durability.
- Balance prevents position errors during scan
- Stability reduces installation requirements

Multi-FOV Selection (4x5, 14x14)
Multi-F.O.V. selection enables accurate scanning whilst keeping dose levels to a minimum.
- FOV 4x5, 7x7, 8x8, 14x8, 14x14

Combination Imaging System
Papaya 3D combines 3D CT and Panoramic and Cephalometric, to meet all diagnostic needs.

The versatile imaging capability provides the user with accurate information for implant imaging.
3D Volume Rendering
Various volume rendering options such as Gray, X-ray, MIP and etc provide 3D image visualization.

MPR (Multi-Planar Reformatting)
MPR mode provides three plain view (axial, coronal and sagittal) on one screen for focused area diagnosis.

Dental Reformatting
Using panoramic, cross-sectional, and longitudinal 2D view, you can plan your ‘perfect’ implant positioning.

Curved MPR
Possible to reconstruct the sectional images which is via any curves from Panoramic, Cross-sectional, Longitudinal.

3D Stitching
By stitching multiple CT slice image which has smaller FOV, it creates a big CT slice image

Implant Planning
Multiple layout support and nerve implementation enables accurate implant planning.

3D reconstruction viewer
Triana is dental image software simulating implant scheme quicker and more accurately through visualization of the 3D image from the acquired dental image. Triana reconstructs section scans of acquired dental image, undergo two dimension analysis and gives you complete control for manipulation.

TRIANA
Digital Image Management S/W
**PORT-X II**

Camera Type Portable X-ray (FDA)

---

**Portable X-ray system**

New paradigm of Intra-Oral X-ray system is now at hand. Port-X II makes your dental clinic full of ease and comfort.

---

**Features**

Small does of radiation keeps patients and dentists away from radiation

- High performance Tube and HFG makes sharp and clear images
- Use with digital sensor as well as chemical film
- Rechargeable Battery

**Display Graphic LCD**

User can view the operation through graphic LCD with high quality

**High Frequency Inverter**

Stable output of X-ray radiation, Excellent image quality.

---

**Product Specification**

**Generator**

- Type: High Frequency Inverter
- Power output 180W
- Tube Voltage 60kV

**Tube**

- Anode Angel 20°
- Focal Spout 0.8mm

**Installation**

- Tube Current 2mA
- Heat Capacity 8.5KHU

**Control**

- Exposure Time Set 56 steps (0.01~2.0 sec.)

**Power Requirement**

- 22.2 VDC

**Inherent Filtration**

- Al equivalent 1.8 mmAl

**Battery Capacity**

- Number of exam 100 per full charge

**Weight**

- Main body 5.18lb (2.35kg)

**Dimension**

- Main body 7.75” x 5.78” x 5.70” (19.7cm x 14.7cm x 14.5cm)
Compact Outside, Smart Inside
New paradigm of Intra-Oral X-ray system is now at hand. Port-X III makes your dental clinic full of ease and comfort.

Features
Small does of radiation keeps patients and dentists away from radiation
- High performance Tube and HFG makes sharp and clear images
- Use with digital sensor as well as chemical film
- Rechargeable Battery

Display Graphic LCD
User can view the operation through graphic LCD with high quality

High Frequency Inverter
Stable output of X-ray radiation, Excellent image quality.

Product Specification

Generator
- Type: High Frequency Inverter
- Power output: 180W
- Tube Voltage: 60kV

Tube
- Anode Angle: 20°
- Focal Spot: 0.8mm

Installation
- Tube Current: 2mA
- Heat Capacity: 8.5KHU

Control
- Exposure Time Set: 56 steps (0.01~2.0 sec.)

Power Requirement
- 22.2 VDC

Inherent Filtration
- Al equivalent: 1.8 mmAl

Battery Capacity
- Number of exam: 100 per full charge

Weight
- Main body: 5.18lb (2.35kg)

Dimension
- Main body: 7.75" x 5.78" x 5.70" (19.7cm x 14.7cm x 14.5cm)
PORT-VIEW
CMOS Dental Sensor

Digital Intra-Oral Sensor
New paradigm of Intra-Oral X-ray system is now at hand. PortView makes your dental clinic full of ease and comfort.

High-Resolution Imaging
- High end CMOS Resolution; Best Penny Test Guaranteed
- High-Resolution; 19 micron pixel provides outstanding image
- Clear Image; - High performance x-ray conversion layers for uncompromised image quality

Reliable
- Easy; Plug sensor directly to PC
- Protected Against Fluids/Contaminants; Sealed cord
- Safe Bitewing; Vertical bitewings provide robust, bounded strain relief
- Easy Cabling; USB cords can be extended up to 10 feet

Ergonomic
Rounded Corners; provides comfort to patients

Wide Range of Exposure
Automatic electronic gain control allows wide range of x-ray compatibility

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<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>SIZE 1</th>
<th>SIZE 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiographic Field</td>
<td>19.95mm X 30.02mm</td>
<td>25.99mm X 36.00mm</td>
</tr>
<tr>
<td>Physical Size</td>
<td>24.35mm X 36.73mm</td>
<td>30.49mm X 42.80mm</td>
</tr>
<tr>
<td>Sensor Plate Thickness</td>
<td></td>
<td>5.4mm</td>
</tr>
<tr>
<td>Pixel Size</td>
<td>19 MICRONS</td>
<td></td>
</tr>
<tr>
<td>Resolution</td>
<td>26.3 line pair/mm theoretical, &gt;20 line par/mm actual</td>
<td></td>
</tr>
<tr>
<td>Dynamic Range</td>
<td></td>
<td>12-bit (0 to 4095)</td>
</tr>
<tr>
<td>Interface</td>
<td>USB 2.0, from sensor plate to computer</td>
<td></td>
</tr>
<tr>
<td>Cord Length</td>
<td>3 meters (approximately 10 feet)</td>
<td></td>
</tr>
</tbody>
</table>
Experience the Benefits of Papaya-CR Digital Imaging

The full-featured Papaya-CR Dental Reader from Imaging rapidly and affordably delivers high-quality digital images for busy dental practices, optimizing chair side time with patients.

- Compact & Affordable
- Elegant Design & Streamlined Operation
- Unique LCD Color Touch Screen Panel
- Improving Efficiency for Dental Practices
- Built-in Erase Function
- Unmatched Flexibility to Help your practice grow.

## Product Specification

### Supported IP Sizes

<table>
<thead>
<tr>
<th>Radiographic Field</th>
<th>Size</th>
<th>Standard</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (22x31mm)</td>
<td>343x484 pixels</td>
<td>628x885 pixels</td>
<td></td>
</tr>
<tr>
<td>1 (24x40mm)</td>
<td>375x625 pixels</td>
<td>685x1143 pixels</td>
<td></td>
</tr>
<tr>
<td>2 (31x41mm)</td>
<td>474x640 pixels</td>
<td>886x1711 pixels</td>
<td></td>
</tr>
<tr>
<td>3 (27x54mm)</td>
<td>421x843 pixels</td>
<td>771x1542 pixels</td>
<td></td>
</tr>
<tr>
<td>4 (48x54mm)</td>
<td>750x843 pixels</td>
<td>1370x1542 pixels</td>
<td></td>
</tr>
</tbody>
</table>

### Selectable Pixel Size

- High: 35µm / Standard: 64µm
- Sampling Pixel Pitch (35µm): 14.3 lp/mm
- Readout time: 4.1~7.2 sec.
- Resolution: Data Capture: 16-bits per pixel, 65,000 gray tones
- Eraser: Embedded
- Dimensions (HxWxD): 14.4”x4.7”x12.5” / 265x120x318mm
- Weight: 12.1 lbs. (5.5kg)
- System Configuration: Tabletop
- Interface: USB 2.0 high speed (480 Mbps) / Ethernet (100 Mbps)
- QuantorDent Imaging S/W: Image file formats: DICOM 3.0, TIFF, BMP, JPEG, DICOM Send, Embedded Viewer

- Window Level, Multi Frequency Image Processing,
- Zoom, Cropping, Mark, User defined LUT,
- Supporting dental chart and dentition
- Power Requirements: 100~240V / 50~60Hz, 30W, UPS required
- Regulatory Approvals: FDA 510(k), CE (0120), UL, Cul, FCC, KFDA

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Easy-to-use Imaging Software

FireID RFID Reader

Hygienic Bags