The AeroDR1417 portable detector is lightweight FPD weighing as little as 2.9 kg (6.3 lbs) and supports wireless networking which transmits captured images to the console. AeroDR1717 and AeroDR1012 provide wider clinical applications.

- **14×17 inch Wireless Flat Panel Detector, Scintillator Csi**
- **Weight 2.9 kg**

After exposure, a preview image immediately appears on the display of the CS-7 console in less than two seconds. The CS-7 has a user-friendly graphic interface adding new and powerful proprietary functions. GUI design can be modified to customer preferences flexibly, succeeding the conventional console design.

**Revolutionary Auto-Positioning Allows the Operator to Focus On Patient Care**

The auto-positioning feature is interfaced with the APRs. This function moves the ceiling-mounted X-ray tube support to any desired position at the press of a single button and can automatically set the X-ray tube angle. Effortless tube positioning allows the operator to focus on patient care. Naturally, manual operation is also possible to make fine positioning corrections extremely simple.

**APRs Synchronized with the X-Ray High Voltage Generator**

Radiography parameters and techniques can be changed beside the patient as well as on the wall-mounted console in the control room. The operator can prepare for radiography without leaving the patient. This sophisticated synchronization of the X-ray tube support and X-ray high voltage generator effectively exploits the convenience of dual consoles.

**Quick Preview and Smart GUI Enhance Work Flow**

After exposure, a preview image immediately appears on the display of the CS-7 console in less than two seconds. The CS-7 has a user-friendly graphic interface adding new and powerful proprietary functions. GUI design can be modified to customer preferences flexibly, succeeding the conventional console design.

**Bucky Unit Automatically Follows Irradiation**

Easily synchronize the longitudinal travel of the table's Bucky unit with the X-ray tube support position. In addition, the focal point of the X-ray tube unit moves up and down in conjunction with the vertical positioning of the X-ray Bucky stand and X-ray Bucky table.

**Naturally, manual operation is also possible to make fine positioning corrections extremely simple.**

**Ceiling-Mounted X-Ray Tube Support for Versatile Positioning**

X-ray tube support vertical range of 1,600 mm ensures sufficient SID when examining supine patients and low focal point radiography of standing patients. This support also rotates on the vertical and horizontal axis in addition to fixed positioning at any desired angle, enabling fast positioning at complex angles for orthopedic applications.

**Light Weight Wireless FPD**

The AeroDR1417 portable detector is lightweight FPD weighing as little as 2.9 kg (6.3 lbs) and supports wireless networking which transmits captured images to the console. AeroDR1717 and AeroDR1012 provide wider clinical applications.

- **AeroDR1417**
  - 14×17 inch Wireless Flat Panel Detector, Scintillator Csi
  - Weight 2.9 kg
- **AeroDR1717**
  - 17×17 inch Wireless Flat Panel Detector, Scintillator Csi
  - Weight 3.6 kg
- **AeroDR1012**
  - 10×12 inch Wireless Flat Panel Detector, Scintillator Csi
  - Weight 1.7 kg

**Manual Operation**

Pressing a single button on the remote control smoothly moves the ceiling mounted X-ray tube support to pre-registered positions. Movement stops immediately after the remote control button is released. Up to two remote control units can be used.

**Auto Synchroization**

**Bucky Unit**

Ceiling-Mounted X-Ray Tube Support

1,600 mm

Wide range stroke

**Sophisticated Functions Make System Operation Even Easier**

Screens are synchronized through communication.

**Study List**

Study View

Image View
Next-Generation Collimator Reduces X-Ray Dose to the Patients

Automatic Beam Hardening Filter
When the APR is selected for the region being imaged, the collimator filter also switches. Using the filter preset for each APR, such as the extremities or abdomen, minimizes unnecessary exposure to obtain high-quality radiographic images at the optimal X-ray dose.

Area Dosimeter
This dosimeter measures dose information and transfers it to the X-ray high-voltage generator. The dose information can be displayed on the DR operators console, sent to PACS in the DICOM header and included on printed images.

Confirm X-Ray Beam Projection Field Immediately Before Exposure
When controlling radiography operations from the control room, the irradiation field lamp automatically turns on before exposure to allow confirmation of the region to be imaged.

Auto field size selection
The exposure field size of the collimator is automatically selected in response to the image size set on DR system.

Patient Information Display
The patient information (Patient Name, ID, Sex and Age) which is input through CXDI console is displayed on the touch screen of ceiling tube mount. The operators easily recognize and confirm the patient during the positioning.

Click-Stop Collimator Rotation
When rotating the collimator relative to the X-ray tube, the collimator can be click-stopped in 3 positions, 0 degrees and ±45 degrees, allowing quick adjustment of collimation. (The collimator can also be quickly returned to the original (0°) position.)

Cushioning Gently Protects Patients
If a patient suddenly sits up after an examination, they could potentially hit their head on the instrument. Therefore, the bottom of the X-ray tube support and collimator edge is covered with rubber cushioning material to carefully protect patient.

Easy-to-Operate, Fully Featured, Intelligent X-Ray High Voltage Generator

Color LCD Touch Panel Allows Intuitive Operation

Patient Care Concept
Color-Coded Status Indicator
The console panel indicates the status of the X-ray generator using color perimeter display with audible sound. The hand switch also lights up to indicate ‘Ready Status’.
This advanced feature allows the operator to concentrate on patient care:
- Infant and frail elderly patients who need constant attention
- Split-second timing is required for patients who have difficulty holding their breath
- Quick positioning and image capture when required

Illumination Color and Alarm Sound
When Preparation for Exposure Is Complete
The LCD screen and Illumination color can change according to the Bucky table or X-ray tube settings selected. Different alarm sounds can also be specified for various events, such as when preparation for exposure is complete.

Advanced APR Allows 800 Different Radiography Parameter Configurations

Examination Regions
Maximum 10 regions

Radiography Techniques
Maximum 20 techniques

Seven Exposure Directions
Advanced APR (Anatomical Programs)
Up to 800 Anatomical Programs can be registered on the system. Registering the conditions as programs associated with examination area and technique allows conditions to be set up smoothly. Each technique selection has 10 anatomical regions that can be selected. Each anatomical region has 20 user-definable associated techniques. Furthermore, up to 7 different directions can be stored in each technique key; each time one direction is taken, the exposure conditions can be automatically changed according to the next direction. This feature is particularly effective for inspections of areas requiring exposure from several different directions, such as for orthopedic surgery.

Displays Exposure Back-Log of 512 Cases
Up to 512 cases can be archived and displayed as the exposure back-log. The radiography parameters used to obtain the results can be reset.
**X-Ray Tube Support**

**CH-200**
- Ceiling-mounted tube support
- Color LCD touch screen monitor
- Auto positioning function (Option)
- Auto tracking function (Option)
- Auto size sensing collimator (Option)
- Longitudinal travel: 2500 mm
- Lateral travel: 1400 to 2700 mm (selectable)
- Vertical travel: 1600 mm
- Tube angulation around the horizontal axis: +120° to -180°
- Vertical rotation: ±180°

**CH-200M**
- Ceiling-mounted tube support
- Longitudinal travel: 2500 up to 4450 mm (selectable)
- Lateral travel: 1400 to 2700 mm (selectable)
- Vertical travel: 1600 mm
- Tube angulation around the horizontal axis: +120° to -180°
- Vertical rotation: ±180°

**FH Series**
- **FH-20HR**: Floor-mounted tube support
- **FH-21HR**: Floor/Wall or Floor/
  Ceiling-mounted tube support
- Longitudinal travel: 2500 mm
- Lateral travel (telescopic arm): 250 mm
- Tube angulation around the horizontal axis: ±180° continuous
- Column rotation for lateral tabletop radiography: ±18°

**Bucky Stand**
- **BR-120/BR-120T/BR-120M**
  - Vertical travel range: 1550 mm
  - Grid is removable
  - Size sensing cassette tray (BR-120/BR-120T)
  - Tilting bucky unit (BR-120T)

**Wireless FPD**

**AeroDR Series**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>AeroDR1417</th>
<th>AeroDR1717</th>
<th>AeroDR1012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purpose</td>
<td>General Radiography</td>
<td>General Radiography</td>
<td>General Radiography</td>
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<tr>
<td>Scintillator</td>
<td>Cs (Cesium Iodide)</td>
<td>Cs (Cesium Iodide)</td>
<td>Cs (Cesium Iodide)</td>
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<tr>
<td>Weight</td>
<td>2.9 kg</td>
<td>3.6 kg</td>
<td>1.7 kg</td>
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<tr>
<td>Dimensions (W x D x H)</td>
<td>383.7 x 460.2 x 15.9 mm</td>
<td>459.8 x 460.2 x 15.9 mm</td>
<td>383.7 x 350.3 x 15.9 mm</td>
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<tr>
<td>Pixel Size</td>
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<td>Image Field</td>
<td>1,084 x 2,048 pixels (4.8 million pixels)</td>
<td>2,428 x 2,428 pixels (5.8 million pixels)</td>
<td>1,084 x 1,080 pixels (2.3 million pixels)</td>
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<td>WLAN Standard</td>
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<td>Dynamic Range</td>
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<tr>
<td>Charging Time (Empty to Full)</td>
<td>30 minutes with battery charger</td>
<td>30 minutes with battery charger</td>
<td>30 minutes with battery charger</td>
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<tr>
<td>Operating time</td>
<td>5.5 hours / 200 images</td>
<td>4.8 hours / 175 images</td>
<td>4 hours / 946 images</td>
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<tr>
<td>Battery duration in standby status</td>
<td>Approx. 16 hours</td>
<td>Approx. 16 hours</td>
<td>Approx. 7.6 hours</td>
</tr>
</tbody>
</table>

**Bucky Tables**

**BK-200**
- Heavy duty Bucky table
- Height range: 535 mm to 850 mm
- Max. lifting weight: 295 kg
- Tabletop floating range: 1.108 mm (long), 250 mm (transverse)
- Cassette size: 6.5” x 8.5” to 14” x 17”
- Bucky unit movement range: 400 mm
- Grid is removable

**BK-120MK**
- Height-adjustable Bucky table
- Height range: 535 mm to 850 mm
- Max. lifting weight: 200 kg
- Tabletop floating range: 1.100 mm (long), 250 mm (transverse)
- Cassette size: 6.5” x 8.5” to 14” x 17”
- Bucky unit movement range: 350 mm
- Grid is removable

**BK-12HK**
- Bucky table
- Tabletop floating range: 1.108 mm (long), 250 mm (transverse)
- Tabletop height: 700 mm
- Cassette size: 6.5” x 8.5” to 14” x 17”
- Bucky unit movement range: 350 mm
- Grid is removable

**Control Station**

**CS-7**

<table>
<thead>
<tr>
<th>Specifications</th>
<th>CS-7</th>
</tr>
</thead>
</table>
| Image Processing | Automatic Gradation Processing (CH/Processing)
Frequency Processing (F/Processing)
Equalization Processing (E/Processing)
Hybrid Processing (H/Processing)
Hybrid Smoth Processing (HS/Processing) |
| DICOM Support | Basic Greyscale Print Management (SCU) Storage (SCU) Study/Procedure Management Modality Performed Procedure Step Greyscale Standard/Display Function (print output) |