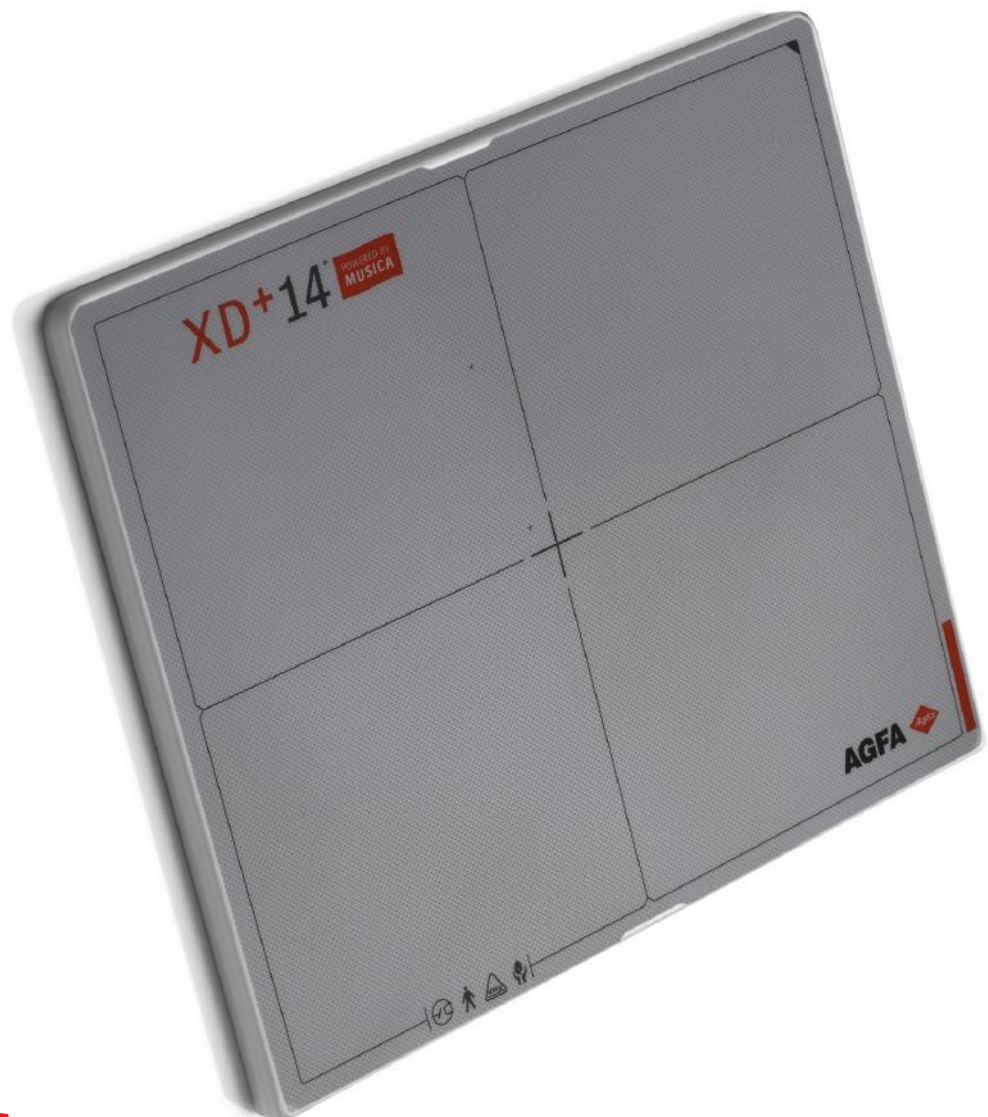


Dura-line XD 14 and XD⁺ 14

Robust, cost-efficient, wireless flat panel detector

Versatile, robust and cost-effective, Dura-line XD 14 and XD⁺ 14 wireless DR detectors provide exquisite image quality, with a 14 x 17" (36 x 43 cm) field of view, choice of 1 or 2 batteries for extended battery autonomy, and a Cesium Iodide scintillator.



Technical Specifications

COMMERCIAL NAME: XD 14 AND XD+ 14

DETECTOR

- **Model:**
 - XD 14 scintillator type A (FXRD-3643VAW)
 - XD+14 scintillator type B (FXRD-3643VAW PLUS)
- **Image Sensor:** TFT: a-Si (Amorphous Silicon)
- **X-ray Scintillator Type:** CsI (Cesium iodide)
- **Pixel Pitch:** 140µm
- **Field of View:** 36cm x 43cm (14" x 17")
- **Active Area (H x V):** 358.4mm x 430.08mm
- **Active Array:** 2560 x 3072 pixels
- **Effective Area:** 355.04mm x 426.72mm
- **Effective Array:** 2536 x 3048 pixels
- **Grayscale:** 16 bit
- **Spatial Resolution:** Min. 3.5 lp/mm
- **Image Acquisition Time (Wired):** Up to 3 sec.
(Set exposure time to 500ms / except exposure time)
- **Image Acquisition Time (Wireless):** Up to 3 sec.
(IEEE802.11ac, MiMO 3x3, 5GHz, 80MHz)
(Exposure time is set to 500ms, except exposure time)
- **Cycle Time:** Min. 4 sec.
(with optimal wired / wireless environment, exposure time is set to 500ms, excluding software processing time)
- **X-ray Synchronous Control:**
 - AED (Auto Exposure Detection)
 - DR Trigger (External Line Trigger)
- **IPX Rating:** IP67
- **Power Supply:**
 - Powered from SCU via tether interface cable: DC 24V, Max. 1.0A
 - Powered via AC-DC adapter: DC 18V, Max. 4.44A
 - Powered via 2 battery packs: DC 9 ~13.2V, Max. 78.54Wh
- **Power Consumption:**
 - Max. 24W (without battery charged) - -
 - Max. 80 W (when charging battery)
- **Operating Time Battery:**
 - One battery pack: 7.5 hours
(image acquired every 100 seconds), 8 hours (standby)
 - Two battery packs: 15 hours
(image acquired every 100 seconds), 16 hours (standby)
- **Dimensions (H x W x D):**
384.0 mm x 460.0mm x 15.0mm
- **Weight:**
 - Model XD 14: One battery pack: 2.95kg
Two battery packs: 3.15kg
 - Model XD+ 14: One battery pack: 3.1kg
Two battery packs: 3.3kg

- **Load limit:**
 - At Surface: 400kg
 - At Point: 200kg
- **Image Transmission:**
 - Wired: Gigabit Ethernet (1000BASE-T) via Power over Ethernet (PoE)
 - Wireless: IEEE 802.11n / ac (2.4GHz / 5GHz), 3 antennas

WIRELESS COMMUNICATION

- **Wireless standard:** IEEE 802.11n/ac
- **Frequency range:**
 - 2.412 ~ 2.472GHz (13 Channels)
 - 5.18 ~ 5.24GHz (4 Channels)
 - 5.745 ~ 5.805GHz (4 Channels)
- **Data transmission rate:**
 - Max. 300Mbps (IEEE802.11n, MIMO 2x2, 5GHz, 40MHz)
 - Max. 1300Mbps (IEEE802.11ac, MIMO 3x3, 5GHz, 80MHz)
- **Modulation:** BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM
- **Transmission power:**
 - 2.4GHz: Max. 19dBm (per chain)
 - 5GHz: Max. 18dBm (per chain)
- **Security:** WPA2-PSK
- **Antenna:** Dual Band Antennas (3EA, In-built)

ENVIRONMENTAL USE

- **Temperature**
 - Operation: 0 ~ +40°C
 - Storage & Transportation: -15 ~ +55°C
- **Humidity**
 - Operation: 5 ~ 90% (Non-condensing)
 - Storage & Transportation: 5 ~ 90% (Non-condensing)
- **Atmospheric pressure**
 - Operation: 700 ~ 1060 hPa
 - Storage & Transportation: 500 ~ 1060 hPa
- **Shock**
 - Operation: 20G
 - Storage & Transportation: 30G
- **Vibration**
 - Operation: 2G
 - Storage & Transportation: 5G
- **Drop Limit**
 - Operation: 1,000mm
 - Storage & Transportation: 1,000mm

DURA-LINE FLAT PANEL DETECTOR

BATTERY PACK

- Model: FXRB-04A
- Type: Lithium Ion Polymer
- Nominal Voltage: DC +11.55V
- Nominal Capacity: 3,400mAh
- Number of Cells: 3S1P (3 Series 1 Parallel)
- Battery Life: Approx. 800 times
(One time standard: Fully charged and then fully discharged)
- Dimensions (H × W × D):
189.0mm × 89.0mm × 6.65mm (max.)
- Weight: 185g (max.)

BATTERY CHARGER, CAN CHARGE UP TO 2 DETECTOR BATTERIES

- Model: FXRC-04A
- Nominal Voltage: DC +24V
- Dimensions (H × W × D): 230.0mm × 304.0mm × 15.5mm
- Weight: 450gr

CRADLE CHARGER, CAN CHARGE UP TO 2 DETECTORS

- Model: FXRR-01A
- Dimensions (H × W × D): 159.0mm × 410.0mm × 168.0mm
- Weight: 4.04kg



DQE SPECIFICATIONS:



DURA-LINE FLAT PANEL DETECTOR

ORDER CODES (ABC CODES)

■ MAXXM	XD 14 DETECTOR (FXRD-3643VAW)
■ MAX1S	XD+ 14 DETECTOR (FXRD-3643VAW PLUS)
■ MA3YA	BATTERY CHARGER DURALINE (FXRC-04A)
■ MAX87	BATTERY PACK DURALINE (FXRB-04A)
■ MAX4Y	CRADLE CHARGER DURALINE (FXRR-01A)
■ MAX63	MINI-SCU BOX DURALINE (FXRS-04A)
■ MAX51	SCU-LITE DURALINE (FXRP-02A)
■ MAX75	TETHERED CABLE XD
■ MA3W5	XD/XD+ 14 CLICK ON HANDLE
■ MA3TY	XD/XD+ 14 GRID R 10:1, 132 L/INCH
■ MA3RU	XD/XD+ 14 GRID, R 6:1, 132 L/INCH
■ MA3SW	XD/XD+ 14 GRID, SD R:6-1, 132 L/INCH

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