

# Dura-line XD 10 and XD<sup>+</sup> 10

Robust, cost-efficient, wireless flat panel detector

Versatile, robust and cost-effective, Dura-line XD 10 and XD<sup>+</sup> 10 wireless DR detectors provide exquisite image quality, with a 10 x 12" (25 x 32 cm) field of view and a Cesium Iodide scintillator.



## Technical Specifications

### COMMERCIAL NAME: XD 10 AND XD+ 10

#### DETECTOR

- **Model:**
  - XD 10 scintillator type A (FXRD-2530VAW)
  - XD+ 10 scintillator type B (FXRD-2530VAW PLUS)
- **Image Sensor:** TFT: a-Si (Amorphous Silicon)
- **X-ray Scintillator Type:** CsI (Cesium iodide)
- **Pixel Pitch:** 124µm
- **Field of View:** 25cm x 32cm (10" x 12")
- **Active Area (H x V):** 253.952mm x 317.44mm
- **Active Array:** 2048 x 2560 pixels
- **Effective Area:** 250.976mm x 314.464mm
- **Effective Array:** 2024 x 2536 pixels
- **Grayscale:** 16 bit
- **Spatial Resolution:** Min. 4.0 lp/mm
- **Image Acquisition Time (Wired):** Up to 2.5 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. 15W (without battery charged)
  - Max. 50W (when charging battery)
- **Operating Time Battery:**
  - 7 hours (image acquired every 100 seconds),  
8 hours (standby)
- **Dimensions (H x W x D):**  
287.0mm x 350.0mm x 15.0mm
- **Weight:**
  - Model XD 10: 1.95kg
  - Model XD+ 10: 2.15kg

- **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

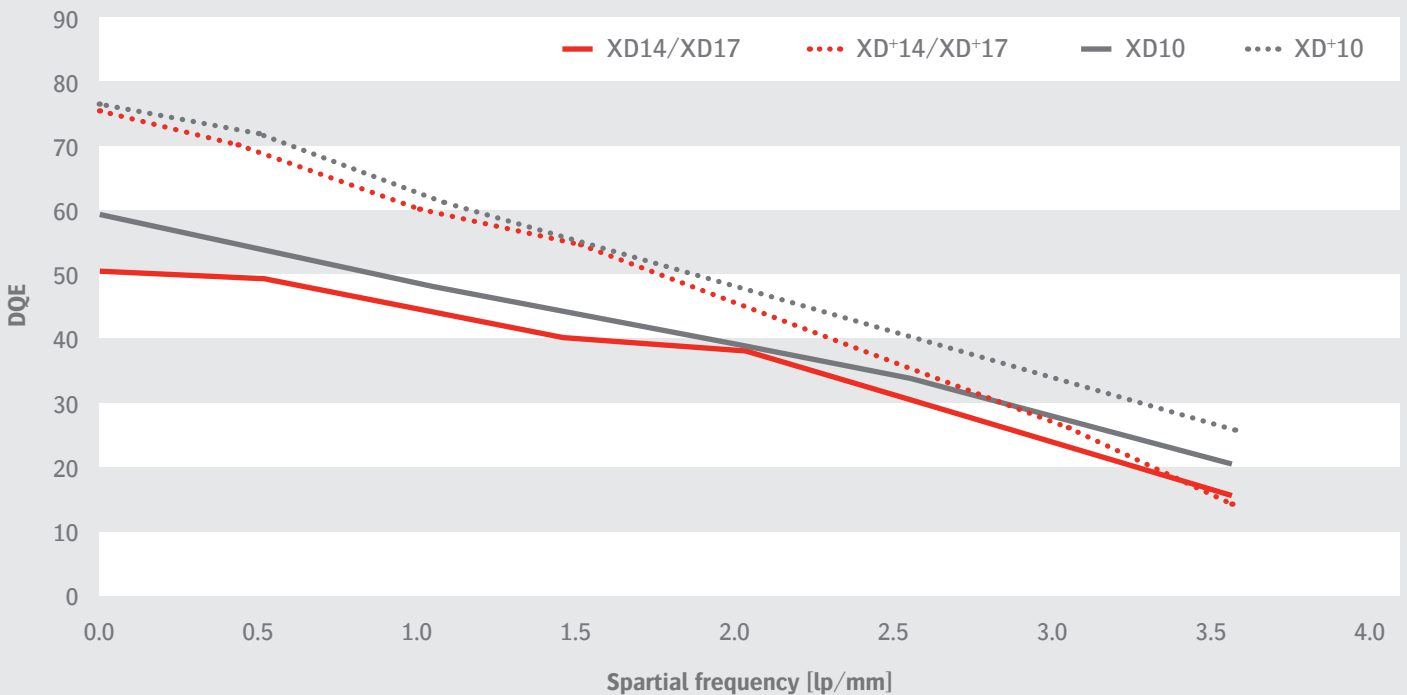
- Model: FXRC-04A
- Nominal Voltage: DC +24V
- Dimensions (H × W × D): 230.0mm × 304.0mm × 15.5mm
- Weight: 450gr

## 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)

■ MAXZQ	XD 10 DETECTOR (FXRD-2530VAW)
■ MAX3W	XD+ 10 DETECTOR (FXRD-2530VAW 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

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