

Overview

The Focus 35C Detector is a cassette-size, wireless x-ray flat panel detector based on amorphous silicon thin-film transistor technologies. It is developed to provide the highest quality of radiographic images with an active matrix of 2304 × 2800 with 150 um pixel pitch. The detector supports wireless communication between the panel and the workstation and is powered by an internal battery.

Features

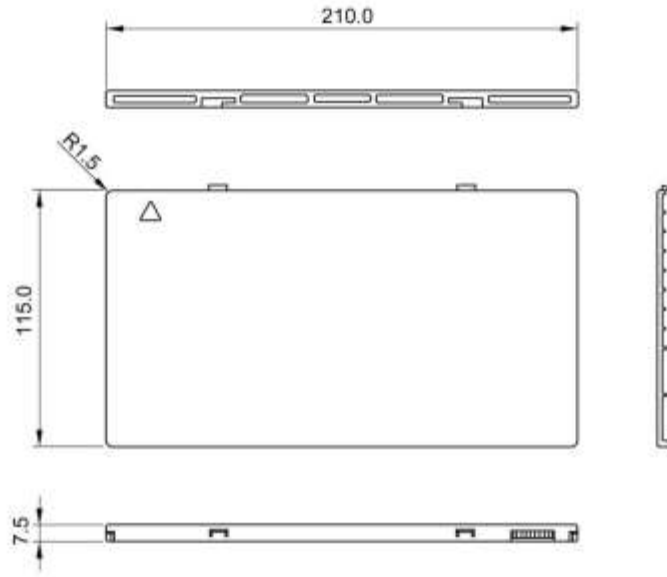
- Wireless static flat panel detector used for general radiography
- Cassette-size
- Sync-shot exposure trigger
- CsI scintillation screen
- Easy-to-change cable and easy-to-update firmware
- Battery recycling

Product Specifications

Detector



Item	Specifications
Model	Focus 35C
Image Sensor	a-Si (amorphous silicon) TFT
Pixel Size	150 μm
Active Array	2304 x 2800
Active Area (H x V)	345.6 x 420.0 mm (13.6 x 16.5 in.)
Gray Scales	16 bit
Spatial Resolution	3.3 Lp/mm
Image Acquisition Time (Wireless) Both AP Mode and Client Mode	Preview acquisition time: 3 sec. Processed acquisition time: 5 sec.
Cycle Time	Min. 8 sec.
Power Consumption	Max. 18 W
Dimension (L x W x H)	460.0 x 384.0 x 15.0 mm (18.1 x 15.1 x 0.6 in.)
Weight (with one battery)	3.43 kg (7.56 lb)
Image Transfer	Wireless: IEEE802.11a/b/g/n/ac
Data Transmission Rate (Wireless)	802.11b: Max. 11 Mbps 802.11a/g: Max. 54 Mbps 802.11n: Max. 300 Mbps (MIMO 2 x 2) 802.11ac: Max. 867 Mbps(MIMO 2 x 2)



Item	Specifications
Model	Battery-KV
Rated capacity	Typ. 4180 mAh @ Discharge 0.2C
Nominal voltage	10.8 V
Charge voltage	12.6 ± 0.05 V
Discharged end voltage	9 V
Charging method	CC-CV
Operating temperature	Charge 0–60 °C (32–140 °F) Discharge 0–60 °C (32–140 °F)
Storage temperature	≤3 month -20 °- +45 ° (-4–113 °F) ≤6 month -20°- +35 ° (-4–95 °F)
Relative humidity	5 %~95 %
Dimension (L x W x H)	210 x 115 x 7.5 mm
Weight	0.28 kg (0.62 lb)

Battery Charger



Item	Specifications
Model	Charger-Combo
Simultaneous Charging	1 Battery Pack
Full Charging Time	≤ 3 hr
Rated Power Supply	90~264 V (ac)
Dimension (L x W x H)	240.0 x 184.0 x 38.0 mm (9.4 x 7.2 x 1.52 in.)
Weight	0.55 kg (1.2 lb)

Power Supply

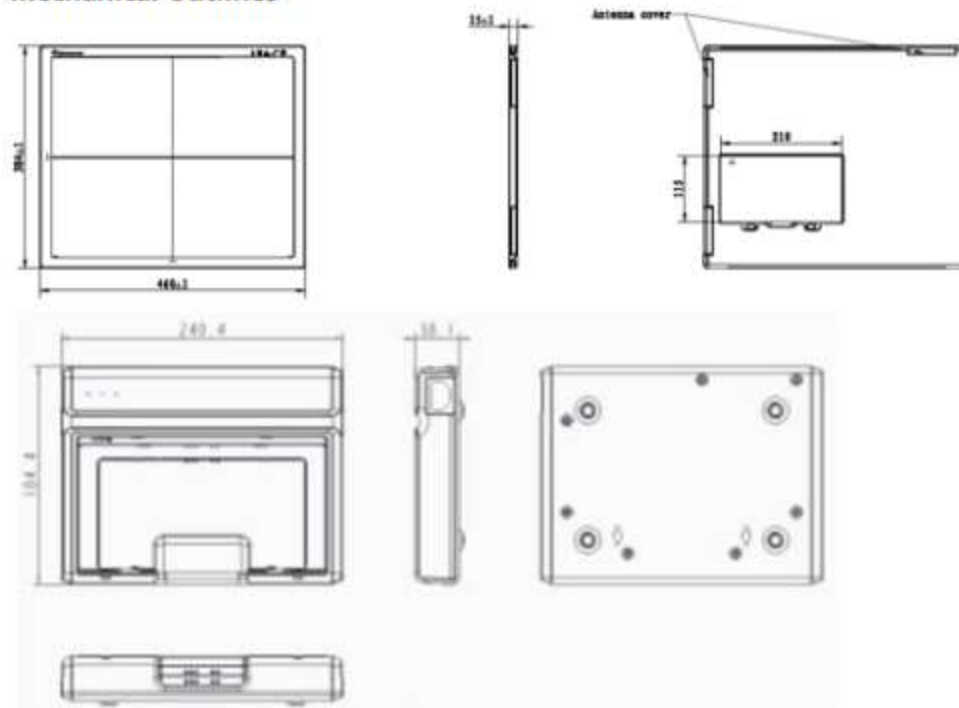
Item	Specifications
DC Power	24V (dc), 0.75A
Battery Package	10.8V (dc), 1.6A

The product must be used with the approved adapter and CB certificate number SG PSB-MD-00191.

Wireless Communication

Item	Specifications
Wireless Standard	IEEE 802.11 a/b/g/n/ac
Frequency Range	2.412~2.472 GHz: ch1~ch13 5.18~5.22 GHz: ch36~ch48 5.745~5.85 GHz: ch149~ch165
Data Transmission Rate	802.11b: Max. 11 Mbps 802.11a/g: Max. 54 Mbps 802.11n: Max. 300 Mbps (MIMO 2x2) 802.11ac: Max. 867 Mbps(MIMO 2x2)
Modulation	802.11b: CCK, DQPSK, DBPSK 802.11a/g/n: 64 QAM, 16 QAM, QPSK, BPSK 802.11ac: 256 QAM, 64 QAM, 16 QAM, QPSK, BPSK
Transmission Power	Max.17 dBm
Security	WPA, WPA-PSK, WPA2, WPA2-PSK, WEP 64 bit & 128 bit
Antenna	2 dual band inner antenna

Mechanical Outlines



Use Environment

	Temperature	Temperature Change	Humidity	Atmospheric Pressure	Pressure Change
Operating	5–35 °C (41–95 °F)	< 1k/min	10 %–90 % RH	700–1060 hPa	<10 kp/min (1 kp=1.0197E-5Pa)
Storage	-20–55 °C (-4–131 °F)	< 1k/min	5 %–95 % RH	700–1060 hPa	<10 kp/min (1 kp=1.0197E-5Pa)

Focus 35C detectors shall operate at a specified altitude of not more than 3000.0 m (9842.5 ft). The environment specific is only for the detector.