

Product Description

The PaxScan® 4336Wv4 is a light weight, wireless flat panel detector designed for digital radiographic systems. The PaxScan 4336Wv4 fits standard 14"x17" bucky trays and its wireless communication enables easy migration between table, above the table, chest stand, and mobile cart applications. The PaxScan 4336Wv4 works with commercially available Access Points, or as a stand-alone Access Point. The receptor SDK allows for direct integration into existing systems.

Technical Specifications

Receptor Type . . . Amorphous Silicon with TFT/PIN diode Technology
Conversion Screen Csl, DRZ+

Pixel Area

Total 42.7 (v) x 34.4 (h) cm (16.8 x 13.5")
Active (DRZ+) 42.4 (v) x 34.1 (h) cm (16.7 x 13.4")
Active (Csl) 42.4 (v) x 33.9 (h) cm (16.6 x 13.3")

Pixel Matrix

Total 3,072 (v) x 2,476 (h)
Active (DRZ+) 3,052 (v) x 2,456 (h)
Active (Csl) 3,032 (v) x 2,436 (h)
Pixel Pitch 139 µm
Limiting Resolution 3.6 lp/mm
Automatic Exposure Detection (AED) via vTrigger

Main Functionalities

Cycle Time @ 550ms 5.6 sec (MSR2, RCT)
(X-ray Window)
X-ray window 350-3500 ms

Image Quality

	GADOX (typical)	CSI (typical)
DQE @ 0 lp/mm	39%	78%
DQE @ 1 lp/mm	28%	58%
DQE @ 2 lp/mm	18%	42%
DQE @ 3 lp/mm	8%	24%
DQE @ Nyquist	4%	14%
MTF @ 1 lp/mm	56%	57%
MTF @ 2 lp/mm	24%	28%
MTF @ 3 lp/mm	12%	16%
MTF @ Nyquist	7%	11%
Sensitivity	0.6 LSB/nGy	0.86 LSB/nGy
Pixel Noise (1000ms)	9.2 LSB	8.7 LSB
Memory Effect	0.001 (@ 60sec)	0.004 (@ 60sec)

Dose Range

	DRZ+	Csl
Maximim Linear Dose	84 µGy	58 µGy
NED	0.56 µGy	0.36 µGy

Energy Range Standard 40 - 150 kVp
Fill Factor 60%
Scan Method Progressive
Data Output Wireless
A/D Conversion 16-bit
Exposure Control Inputs: Prepare, Expose-Request
Outputs: Expose-OK

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Patient Contact

Surface Temperature rated to not exceed 42 degrees C
Weight Limit
Uniform load across entire carbon fiber surface 150 kg
Concentrated 40mm diameter load at the center of the imager 100 kg
AED will not false trigger due to mechanical impacts.

Software

The PaxScan 4336Wv4 embeds the M-series Varex Imaging Smart Panel (VSP) software within the receptor. Developers interface with the receptor through VSP COMM which resides on the workstation. The integrator experience is simplified through the new M-series software interface. An onboard Control Panel is used to manage receptor settings and configuration. The ViVA™ sample imaging application is included. VSP COMM is Windows® 7 (64 bit), Windows 8.1 (64-bit) and Window® 10 compatible.

Computer Requirements

RAM 2.00 GB
CPU 1 GHz or faster processor (32-bit or 64-bit)

Power

Power Consumption Idle - 4.3 watts
Acquisition - 8.1 watts
Image Transfer - 10.0 watts

Battery

Lithium polymer smart battery prevents over charging
Charge capability 1600 images over 8 hrs
Expected Life 500 cycles of charge/discharge
Battery Charge 12 hours in standby mode

Wireless

Wireless Modes STA or AP 802.11 a/g/n/ac, 2x2 MIMO
Minimum Signal Strength Required >-80 dBm
or no image will be acquired

Mechanical

Weight (values are typical) (includes battery)
DRZ+ 2.9 kg ± 0.25 kg
Csl 3.0 kg ± 0.25 kg
Housing Material Aluminum
Sensor Protection Material Carbon fiber plate

Environmental

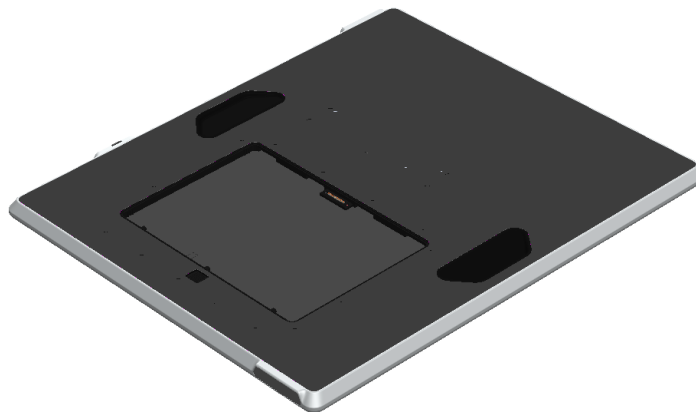
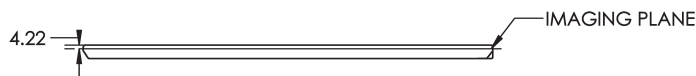
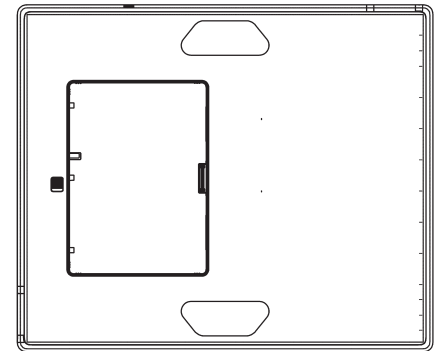
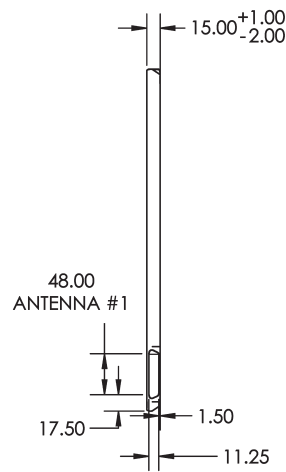
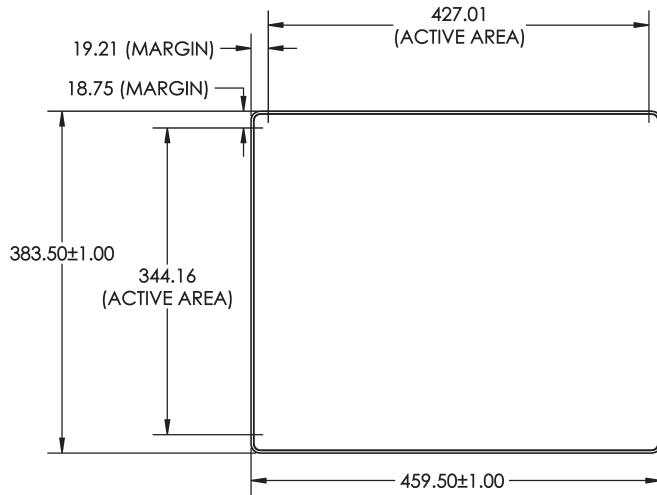
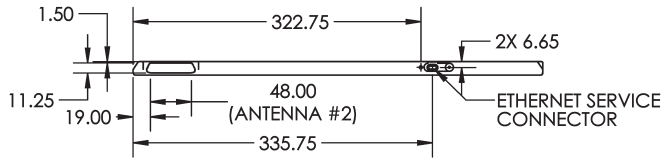
Shock High-shock tolerance
Water Resistant IP54
Temperature Range - Operating (at back cover) 10°C to 35°C (max.)
(Ambient) - Storage -20°C to +70°C
Humidity - Operating & Storage (non-condensing) 10% to 90%
Atmospheric Pressure - Operating & Storage 70 kPa to 106 kPa

Regulatory

U.S. ANSI/AAMI ES 60601-1:2012
Canada CAN/CSA C22.2 No. 60601-1:14
EU IEC/EN 60601-1:2012

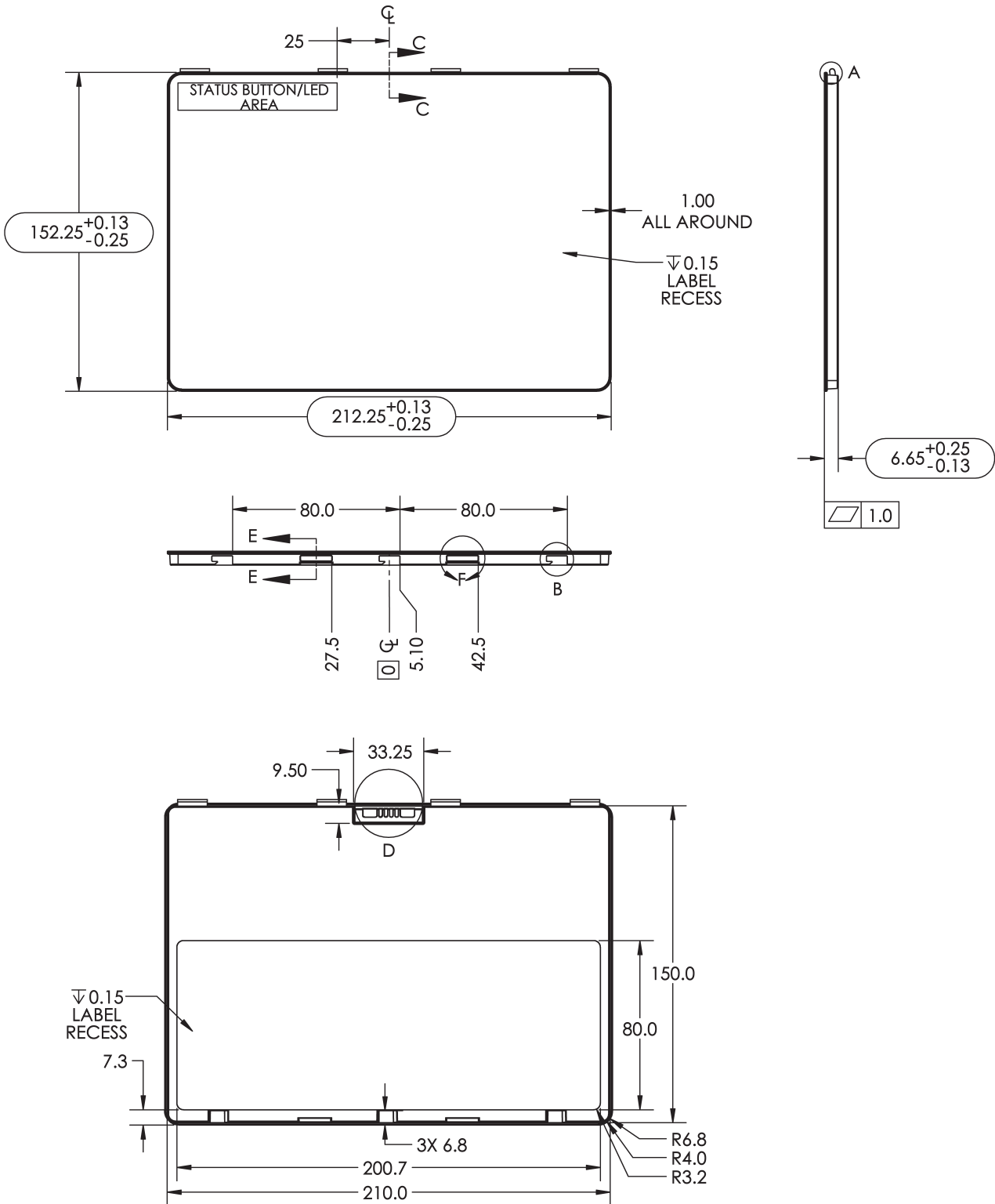
Dimensions are for reference only

Dimensions are in mm



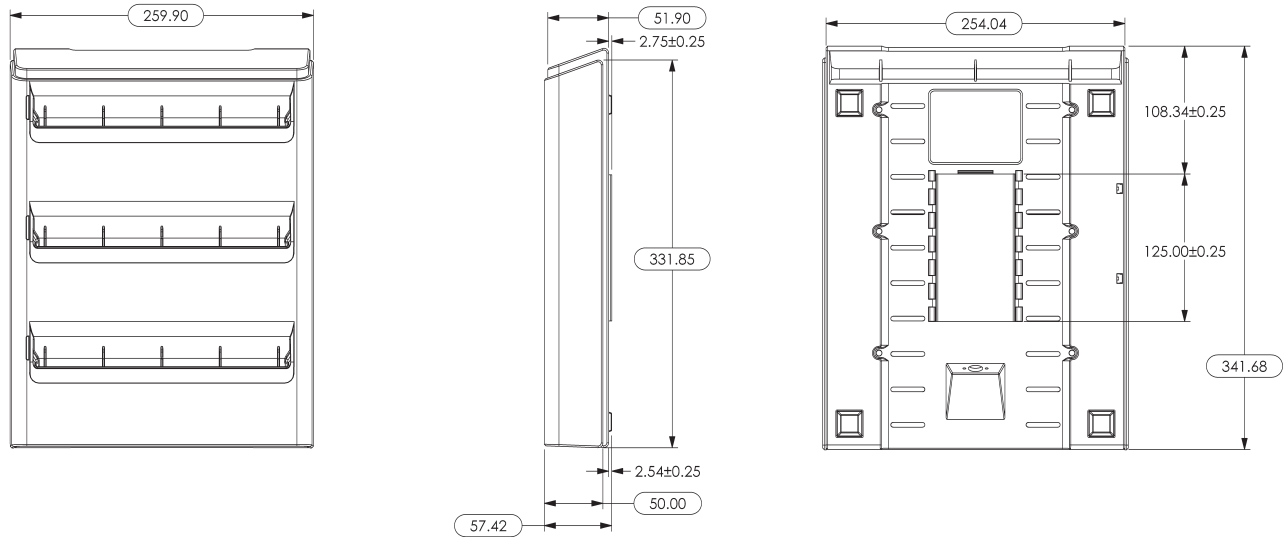
Dimensions are for reference only

Weight - 0.77 lbs (.35 kg) (nominal)



Battery Charger (Optional)

Weight - 1.33 kg (nominal)



Single Bay Charger (Optional)

Weight - 0.3 kg (nominal)

