EIZO®

Diagnostic Monitor

RadiForce® RX840





8MP RadiForce® RX840

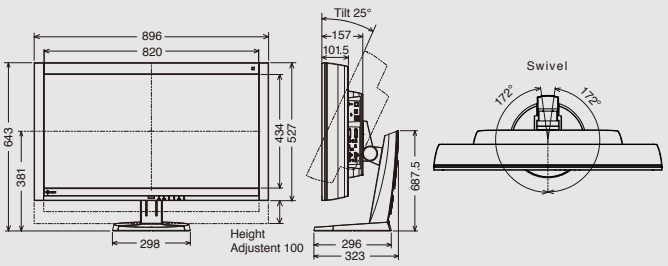
Within its 36.4-inch screen size, RadiForce RX840 is capable of displaying 8 megapixels (4096 x 2160 native resolution) of information volume without the obtrusive bezels. The monitor gives plenty of room to display all necessary imaging applications or windows at once.

- LED backlight for a brightness warranty of 5 years or 25,000 hours at the recommended brightness of 400 cd/m^2.
- Hybrid Gamma function automatically distinguishes between monochrome and color images on the same screen and displays them at their ideal brightnesses and color tones.
- Grayscale tones adjusted at the factory to meet DICOM Part 14 standard for optimum viewing of medical DICOM images.
- Integrated Front Sensor housed within the front bezel measures grayscale tones according to a user-determined schedule and calibrates to the DICOM Part 14 standard.
- Integrated presence sensor unites convenience with energy savings by ensuring that the monitor automatically conserves power when it is not in use.
- Digital Uniformity Equalizer (DUE) function for optimum brightness uniformity.
- CAL Switch function offers eight user-selectable mode settings for accurate viewing of any type of medical image.

Cabinet Color	Black
Panel Type	TFT Color LCD Panel
Panel Size	92 cm / 36.4" (923 mm diagonal)
Display Size (H x V)	817.1 x 430.9 mm
Pixel Pitch	0.1995 x 0.1995 mm
Native Resolution	4096 x 2160
Display Colors	10-bit colors (DisplayPort) : 1.07 billion (maximum) colors 8-bit colors: 16.77 million from a palette of 68 billion colors
Viewing Angles (H,V)	176°, 176°
Brightness (typical)	700 cd/m^2
Recommended Brightness for Calibration	400 cd/m^2
Contrast Ratio (typical)	1000: 1
Response Time (typical)	25 ms (On/Off)
Scanning Frequency (H, V)	31 - 140 kHz, 29.5 - 30.5 Hz (2048 x 2160, 1920 x 2160), 59 - 61 Hz, (VGA Text: 69 - 71 Hz) Frame synchronous mode: 29.5 - 30.5 Hz, 59 - 61 Hz
Dot Clock	DVI-D: 310 MHz, DisplayPort: 290 MHz
Input Terminals	DVI-D (dual link) x 2, DisplayPort x 2
USB Ports / Standard	1 upstream, 2 downstream / Rev. 2.0
Power Requirements	AC 100 - 120 V, 200 - 240 V: 50 / 60 Hz
Power Consumption / Save Mode	350 W / Less than 6 W
Power Management	DVI DMPM, DisplayPort 1.1a
Sensor	Backlight Sensor, Integrated Front Sensor, Presence Sensor, Ambient Light Sensor
OSD Languages	English, French, German, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese

Net Weight (With Stand / Without Stand)	30.9 kg (AC adapter included) / 23.2 kg
Hole Spacing	VESA standard 200 x 200 mm
Certifications and Standards*	CE (Medical Device Directive), EN60601-1, UL60601-1, CSA C22.2 No. 601-1, IEC60601-1, VCCI-B, FCC-B, Canadian ICES-003-B, C-tick, RoHS, CCC, GOST-R
FDA 510(k) Clearance	Pending (for General Radiography)
Supplied Accessories	AC power cord, AC adapter, dual link signal cable (DVI-D ~ DVI-D) x 2, signal cable (DisplayPort ~ DisplayPort) x 2, USB cable, Utility Disk (RadiCS LE, ScreenManager Pro for Medical, user's manual), 4 screws for mount option, warranty card
Warranty	Five Years

Dimensions (Unit: mm)



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