JPI Animal Health

DynaVue DUO

Technical Specifications





Highlighted Features

- Low Dose, High Frequency Generator For X-ray and Live X-ray Video
- Integrated thermal camera for patient assessment support
- 4-Way Floating Patient Positioning Table with 220 lb Weight Capacity
- Image processing engine, delivering improved detail and contrast across soft tissue and bone in a single acquisition
- Compact Unit with Wheels for Convenient Positioning
- Switching Between X-ray and Live X-ray Video Mode Mid-exam

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X-ray Features

Power	10 kw (15 kW Inverter)
mA	10 mA - 160 mA
Exposure	10-200 msec
Focal Spot	0.3 - 0.6 mm
RAD Duty Cycle	3 min (max 100 mA @ 0.33 s, 100kV)

LVX Features

Power	3.8 kw
mA	1 mA - 20 mA
Exposure	10 minutes
Focal Spot	0.3 mm
Pulse	10 ms / pulse
FLO Duty Cycle	5 min (max 20 mA @ 10 s, 100kV)

Specification — Value

Camera

Color Camera Resolution	4208 × 3120 @ 60 FPS
Color Camera FOV	81° diagonal 69° horizontal 54° vertical
Stereo Pair Resolution	640 × 480 @120 FPS
Stereo Pair FOV	86° diagonal 73° horizontal 58° vertical

Specification — Value

Infrared Camera

Infrared Camera FOV	56.0°(H)x42.2°(V)
Infrared Camera Resolution (Pixels)	256×192 @12µm
NETD	<= 40mK @25°C
Frame Rate	25 Hz

3D Stereo Camera

Multi-point 3D depth mapping

Automatic patient thickness measurement

Automatic X-ray technique setting

Power

Input Voltage	220/110 VAC (±10%), 50/60 Hz
Automatic Voltage Regulator	Same voltage
Power Requirements	Dedicated single outlet 15 A at 220 V or 30 A at 110 V, grounded
Power Consumption	2.2 kW max / 25 W idled
kVp	40 – 110 kVp (1kVp steps)

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Specification	Value
IGZO Dynamic Panel	
Scintillator	CsI:Tl
Sensor type	IGZO TFT switch, a-Si photodiode
DQE	>72% at 1 lp/mm (CsI)
MTF	>77% at 0.5 lp/mm (CsI)
Grayscale	65,536
Image Acquisition Time	4 sec
RAD frame rate	1 FPS
Operating Environment	10–40 °C, 30–85% RH, 70–106 kPa
Pixel Resolution (RAD)	3052 x 3052 - Active
Pixel Pitch (RAD)	140 µm
Spatial Resolution (RAD)	3.4 lp/mm
Pixel Resolution (FLO)	1516 x 1516 (2 x 2 Binning) - Active
Pixel Pitch (FLO)	280 µm (2 x 2 Binning)
Spatial Resolution (FLO)	1.7 lp/mm
Frames Per Second Max	Max 30 FPS (2 x 2 Binning)
Active Image Size	427 x427 mm
Bit Depth	16 Bit

