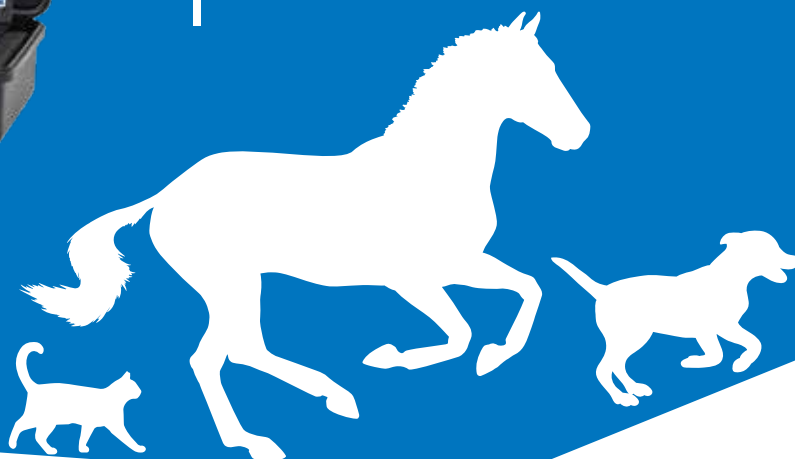




KONICA MINOLTA

AeroDR HD

WHEN DETAILS MATTER



medivet
ANIMAL X-RAY



AeroDR HD Technical Specifications

PRODUCT NAME	AeroDR HD 1012 HQ	AeroDR HD 1417 SL	AeroDR HD 1717 HL
Detection method	Indirect Conversion	Indirect Conversion	Indirect Conversion
Scintillator	CsI (Cesium Iodide)		
Pixel size	100µm*		
Inside Access Point	Yes (Aero Link)		
Inside Memory	Up to 100 images (Aero Storage)		
Weight	1,5 kg	1,8 kg	2,3 kg
Battery Type	Lithium Ion Capacitors		
External dimensions (WxDxH)	282 x 333 x 15 mm	384 x 460 x 15 mm	460 x 460 x 15mm
Charging time	20 min or less	15 min or less	30 min or less
Image area size	245,6 x 296,8 mm	348,8 x 425,6 mm	424,8 x 424,8 mm
Auto Exposure Detection (AED)	Available (AeroSync)		
Durability			
• Point load	180 kg @ ø 40 mm		
• Surface load	400 kg @ effective image area overall		
• Water resistance	IPX6 including power cell		
• Drop resistance	MIL-STD-810G		
Housing material	Carbon Monocoque Design		
Communication	Dedicated wired Ethernet connection / Wireless LAN (IEEE 802.11a/n (1) compliant)		
Cycle time	Ca. 5s (wired)	Ca. 6s (wired)	Ca. 6s (wired)
• 100 microns	Ca. 5s (wireless)	Ca.7s (wireless)	Ca. 7s (wireless)
Battery Performance	Up to 145 exposures and 3,9 hours(100µ)	Up to 147 exposures and 4,1 hours(200µ)	Up to 217 exposures and 6,0 hours(100µ)
(Exposure linkage with X-ray unit)	Up to 165 exposures and 4,5 hours(200µ)		Up to 276 exposures and 7,6 hours(200µ)
Usable grid frequency	60lp/cm, 40lp/cm, 34lp/cm		
A/D conversion	16 bit (65.536 gradients)		
Encryption	Wireless encryption method: AES / Authentication method: WPA2-PSK		

* Default pixel size is 100µm, but can be set to 200µm to save storage space

Waterproof

The AeroDR HD is waterproof (IPX6) even after the detector was dropped from a height of 1,2 m. This makes the detector very suitable for more extreme environments like trauma departments, ICU and disaster relief operations where it is more likely to be exposed to liquids and body fluids.



High Performance Capacitor

The AeroDR HD is powered by a Lithium-ion capacitor for high performance and safety. Both the AeroDR HD 1417 and AeroDR HD 1717 charge from 0 to 100% within 30 minutes or less. The AeroDR HD 1012 even charges within 20 minutes or less.

Rapid Cycle time

The AeroDR HD can handle large image data and provide short cycle times even though the image is taken by 100 micron pixels.

Load resistance

The world's highest load resistance of 400 kg and a 130 kg bending resistance; to withstand demanding conditions during bedside exams.

Updated Image Processing

Konica Minolta's new image processing enhances images in the low density part.

