

LG Digital X-ray Detector



Superior Image Quality for Diagnostic Confidence

Highly Sensitive CsI AED* Detector with 16bit AD Conversion (Data Input & Output) *Auto Exposure Detection











Light yet Durable _____

IP41: Water Resistance & Dustproof



Solids Level 4Protected against objects of size 1mm or larger



Liquids Level 1Protected against dripping liquids, such as blood and bodily fluids

Magnesium & Carbon-fiber Body

With a super strong body that combines carbon-fiber with magnesium, The LG DXD is not only lightweight, but also exceptionally strong.

Product Weight

17HK700G-W 17HK701G-W 14HK701G-W Including Battery







Maximum Load Weight

17HK700G-W & 17HK701G-W 14HK701G-W



Uniform load 150kg (331lb) Point load 100kg (220lb)

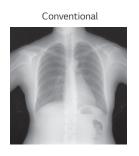
Acquisition Workstation Software(AWS) for LG DXD

Multi-layer Image Processing (MLP)

Multi-layer image processing embedded in AWS provides well-balanced visualization at each frequency level. Its contrast enhancement processing functions such as detail contrast, sharpen and de-noise improve tissue visibility within an image.











Specification _____

Digital X-ray Detector

A60mm x 460mm x 15.5mm	Model Name		17HK700G-W (Wired)	17HK701G-W (Wired / Wireless)	14HK701G-W (Wired / Wireless)
Sacratical Dimension / Weight Sacratical Dimension Sacratical Dimensio	External Dimension / Weight		460mm x 460mm x 15.5mm	460mm x 460mm x 15.5mm	384mm x 460mm x 15.2mm
Intended Use					Alla T
TFT Type				3.4kg, 7.5lb (Icld. Battery)	2.95kg, 6.5lb (Icld. Battery)
Scintillator Csl	Intended Use		General Radiography		
Name	TFT Type		A-si		
Name	Scintillator		Csl		
MTF	Pixel Size		140 <i>µ</i> m		
MTF	I A	X-ray Sensitive Pixel	3072 x 3072 pixels	3072 x 3072 pixels	2500 x 3052 pixels
DQE DQE @ 0.1 lp/mm (Typ) 72% A/D Conversion 16bit Data Output 16bit Communication Wireless Wired Wireless Wired / Wireless Wired / Wireless AED (Auto Exposure Detection) Support Cycle Time 8sec. 8sec. (Wired) / 11sec. (Wireless) 8sec. (Wired) / 11sec. (Wireless) Full Image 3sec. 3sec. (Wired) / 6sec. (Wireless) 3sec. (Wireless) 3sec. (Wireless) 150kg, 331lb Local (Point Load) : 100kg, 220lb Resistance Rating P41 Sensor Protection Plate Carbon Fiber Plate Operating Time - (Typ.) 240 shots / 6.0hrs. (Condition : Interval Time 90sec.) Duration in Standby Status - (Typ.) 13hrs. (Typ.) 13hrs.	iiiiage Area	X-ray Sensitive Area	430.08 x 430.08 mm	430.08 x 430.08 mm	350 x 427.28 mm
A/D Conversion Data Output Type Wired Wired / Wireless EE802.11a/b/g/n/ac, 2.4GHz / 5GHz Support Support Cycle Time 8sec. 8sec. (Wired) / 11sec. (Wireless) 8sec. (Wired) / 11sec. (Wireless) 8sec. (Wired) / 6sec. (Wireless) Full (Uniform Load) : 150kg, 331lb Local (Point Load) : 100kg, 220lb Resistance Rating Sensor Protection Plate Carbon Fiber Plate (Typ.) 240 shots / 6.0hrs. (Condition :Interval Time 90sec.) Duration in Standby Status - (Typ.) 13hrs. (Typ.) 13hrs.	MTF	MTF @ 0.5lp/mm	(Тур.) 89%		
Data Output Type Wired Wired / Wireless EE802.11a/b/g/n/ac, 2.4GHz / 5GHz Support S	DQE	DQE @ 0.1lp/mm	(Тур.) 72%		
Type Wired Wireless Wired / Wireless Wired / Wireless Wired / Wireless Wireless - IEE802.11a/b/g/n/ac, 2.4GHz / 5GHz IEE802.11a/b/g/n/ac, 2.4GHz / 5GHz AED (Auto Exposure Detection) Cycle Time 8sec. 8sec. (Wired) / 11sec. (Wireless) 8sec. (Wired) / 11sec. (Wireless) Full Image 3sec. 3sec. (Wired) / 6sec. (Wireless) 3sec. (Wired) / 6sec. (Wireless) Full (Uniform Load) : 150kg, 331 lb Local (Point Load) : 100kg, 220lb Resistance Rating IP41 Sensor Protection Plate Operating Time - (Typ.) 240 shots / 6.0hrs. (Condition : Interval Time 90sec.) Duration in Standby Status - (Typ.) 13hrs. (Typ.) 13hrs.	A/D Conversion		16bit		
Communication Wireless AED (Auto Exposure Detection) Cycle Time Bsec. Bsec. (Wired) / 11sec. (Wireless) Full Image Maximum Load Weight Durability Resistance Rating Sensor Protection Plate Operating Time Duration in Standby Status - (Typ.) 240 shots / 6.0hrs. (Condition :Interval Time 90sec.) Time Asec. (Wireless) Battery - (Typ.) 13hrs. IEE802.11a/b/g/n/ac, 2.4GHz / 5GHz Bsepontal IEE802.11a/b/g/n/ac, 2.4GHz / 5GHz Bsec. (Wired) / 11sec. (Wireless) Bsec. (Wirel) / 11sec. (Wireless) Bsec. (Directon Files) / 11sec. (Wirele	Data Output		16bit		
AED (Auto Exposure Detection) Cycle Time 8sec. 8sec. (Wired) / 11sec. (Wireless) Full Image 3sec. 3sec. (Wired) / 6sec. (Wireless) Full (Uniform Load) : 150kg, 331lb Local (Point Load) : 100kg, 220lb Resistance Rating Sensor Protection Plate Operating Time Operating Time Duration in Standby Status - Support Support 8sec. (Wired) / 11sec. (Wireless) 8sec. (Wireless) 8sec. (Wireless) 1coal (Point Load) : 10okg, 220lb 1coal (Point Load) : 10okg, 220		Туре	Wired	Wired / Wireless	Wired / Wireless
Cycle Time 8sec. 8sec. (Wired) / 11sec. (Wireless) Full Image 3sec. 3sec. (Wired) / 6sec. (Wireless) Sec. (Wired) / 6sec. (Wireless) Full (Uniform Load) : 150kg, 331lb Local (Point Load) : 100kg, 220lb Resistance Rating IP41 Sensor Protection Plate Operating Time Operating Time Duration in Standby Status - (Typ.) 240 shots / 6.0hrs. (Condition : Interval Time 90sec.) (Typ.) 13hrs. (Typ.) 13hrs.	Communication	Wireless	-	IEE802.11a/b/g/n/ac, 2.4GHz / 5GHz	IEE802.11a/b/g/n/ac, 2.4GHz / 5GHz
Full Image 3sec. 3sec. (Wired) / 6sec. (Wireless) 3sec. (Wireless) Full (Uniform Load) : 150kg, 331lb Local (Point Load) : 100kg, 220lb Resistance Rating IP41 Sensor Protection Plate Operating Time Operating Time Duration in Standby Status - (Typ.) 240 shots / 6.0hrs. (Condition : Interval Time 90sec.) (Typ.) 13hrs. (Typ.) 13hrs.		AED (Auto Exposure Detection)	Support		
Durability Maximum Load Weight Cocal (Point Load): 150kg, 331lb Local (Point Load): 100kg, 220lb Resistance Rating IP41 Sensor Protection Plate Carbon Fiber Plate (Typ.) 240 shots / 6.0hrs. (Condition: Interval Time 90sec.) Duration in Standby Status Full (Uniform Load): 150kg, 331lb Local (Point Load): 100kg, 220lb (Typ.) 240 shots / 6.0hrs. (Condition: Interval Time 90sec.)	Cycle Time		8sec.	8sec. (Wired) / 11sec. (Wireless)	8sec. (Wired) / 11sec. (Wireless)
Durability Resistance Rating Sensor Protection Plate Operating Time Duration in Standby Status Local (Point Load): 100kg, 220lb Local (Point Load): 100kg, 220lb Carbon Fiber Plate (Typ.) 240 shots / 6.0hrs. (Condition: Interval Time 90sec.) (Typ.) 13hrs. (Typ.) 13hrs.	Full Image		3sec.	3sec. (Wired) / 6sec. (Wireless)	3sec. (Wired) / 6sec. (Wireless)
Durability Resistance Rating Sensor Protection Plate Operating Time Duration in Standby Status Local (Point Load): 100kg, 220lb 1P41 Carbon Fiber Plate (Typ.) 240 shots / 6.0hrs. (Condition: Interval Time 90sec.) (Typ.) 13hrs. (Typ.) 13hrs.	Durability	Maximum Load Weight	Full (Uniform Load) : 150kg, 331lb		
Resistance Rating Sensor Protection Plate Carbon Fiber Plate Operating Time Operating Time Duration in Standby Status - (Typ.) 240 shots / 6.0hrs. (Condition:Interval Time 90sec.) (Typ.) 13hrs. (Typ.) 13hrs.			Local (Point Load) : 100kg, 220lb		
Operating Time Operating Time Operating Time Time (Typ.) 240 shots / 6.0hrs. (Condition: Interval Time 90sec.) Operating Time (Typ.) 240 shots / 6.0hrs. (Condition: Interval Time 90sec.)		Resistance Rating	IP41		
Battery Duration in Standby Status - (Condition : Interval Time 90sec.) (Condition : Interval Time 90sec.) (Condition : Interval Time 90sec.) (Condition : Interval Time 90sec.)		Sensor Protection Plate	Carbon Fiber Plate		
Duration in Standby Status - (1yp.) Tanks. (1yp.) Tanks.	Battery	Operating Time	-		
Charging Time - 3hrs. 3hrs.		Duration in Standby Status	-	(Typ.) 13hrs.	(Typ.) 13hrs.
		Charging Time	-	3hrs.	3hrs.

Acquisition Workstation Software

Installation Requirement	OS	Microsoft Windows 7, 10(64 bit)	
	DB	MariaDB	
	Processor Options	Intel CPU Desktop 6th gen i7 or above	
	RAM	8GB	
	HDD	2TB	

LG Electronics Inc.

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