LG Digital X-ray Detectors
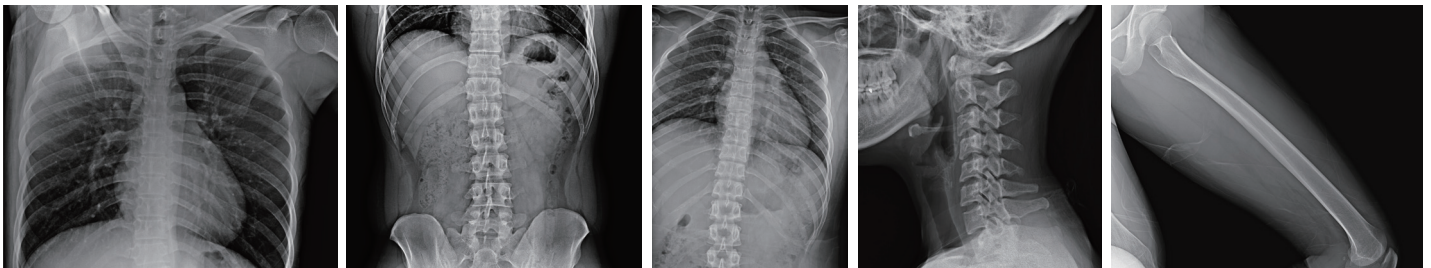
LG | Business Solutions

17HK700G-WP
17HK701G-WP | 17HK701G-WP

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 4
Protected against objects of
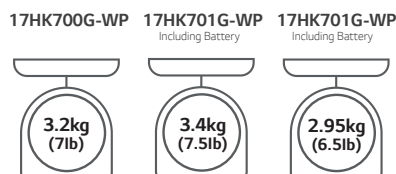size 1mm or larger

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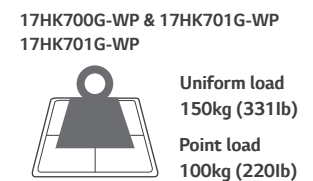such as blood and bodily fluids

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-WP	17HK701G-WP Including Battery	17HK701G-WP Including Battery
3.2kg (7lb)	3.4kg (7.5lb)	2.95kg (6.5lb)

Maximum Load Weight

17HK700G-WP & 17HK701G-WP
17HK701G-WP

Uniform load
150kg (331lb)

Point load
100kg (220lb)

Acquisition Workstation Software(AWS) for LG DXD

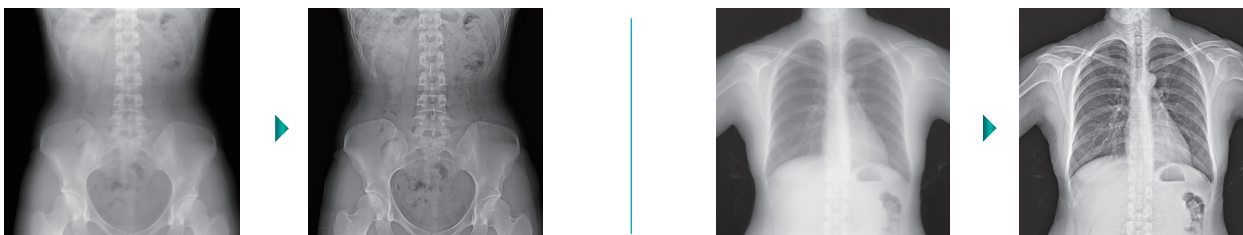### Multi-layer Image Processing (MLP)

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.
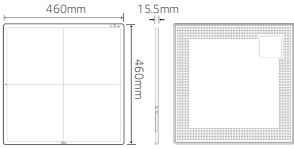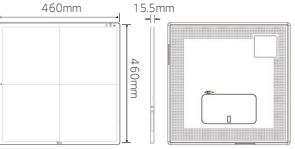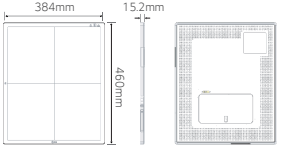
Conventional   MLP   Conventional   MLP

Digital X-ray Detector

Model Name		17HK700G-WP (Wired)	17HK701G-WP (Wired / Wireless)	14HK701G-WP (Wired / Wireless)
External Dimensions / Weight		18.1" x 18.1" x 0.6" 460mm x 460mm x 15.5mm 3.2kg, 7lb	18.1" x 18.1" x 0.6" 460mm x 460mm x 15.5mm 3.4kg, 7.5lb (Icld. Battery)	15.1" x 18.1" x 0.6" 384mm x 460mm x 15.2mm 2.95kg, 6.5lb (Icld. Battery)
Intended Use		General Radiography		
TFT Type		A-si		
Scintillator		CsI		
Pixel Size		140 μm		
Image Area	X-ray Sensitive Pixel	3072 x 3072 pixels	3072 x 3072 pixels	2500 x 3052 pixels
	X-ray Sensitive Area	16.9" x 16.9" 430.08 x 430.08 mm	16.9" x 16.9" 430.08 x 430.08 mm	13.8" x 16.8" 350 x 427.28 mm
MTF	MTF @ 0.5lp/mm	(Typ.) 89%		
DQE	DQE @ 0.1lp/mm	(Typ.) 72%		
A/D Conversion		16bit		
Data Output		16bit		
Communication	Type	Wired	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)	Support		
Cycle Time		8sec.	8sec. (Wired) / 11sec. (Wireless)	8sec. (Wired) / 11sec. (Wireless)
Full Image		2 sec (Typ).	Wired: 2 sec / Wireless: 2.5 sec (Typ)	Wired: 2 sec / Wireless: 2.5 sec (Typ)
Durability	Maximum Load Weight	Full (Uniform Load) : 300 kg, 661 lb		
		Local (Point Load) : 100kg, 220lb		
	Resistance Rating	IP53		
	Sensor Protection Plate	Carbon Fiber Plate		
Battery	Operating Time	-	(Typ.) 240 shots / 6.0hrs. (Condition : Interval Time 90sec.)	(Typ.) 240 shots / 6.0hrs. (Condition : Interval Time 90sec.)
	Duration in Standby Status	-	(Typ.) 13hrs.	(Typ.) 13hrs.
	Charging Time	-	3hrs.	3hrs.

Acquisition Workstation Software

Installation Requirement	OS	Microsoft Windows 7, 8.1, 10 (64 bit)
	DB	MariaDB
	Processor Options	Intel CPU Desktop sixth gen i7 or above
	RAM	8GB
	HDD	512GB