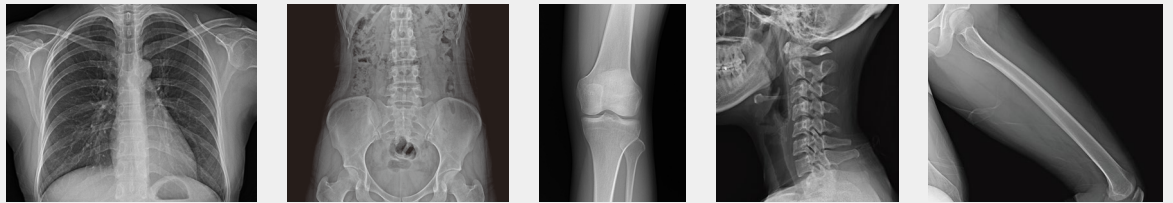# Digital X-ray Detector

| 17HK700G-W | 17HK701G-W | 14HK701G-W |

Superior Image Quality for Diagnostic Confidence

Highly Sensitive CsI AED* Detector with 16bit A/D Conversion (Data Output)

*Auto Exposure Detection

Light yet Durable

IP53: Water Resistance & Dustproof

Solids Level 5
Protected against objects of dust; complete protection against contact.

Liquids Level 3
Protected against spraying water at any angle up to 60° from the vertical shall.

Magnesium & Carbon-fiber Body

With a super strong body that combines carbon-fiber with magnesium, the LG Digital X-ray Detector is not only lightweight but also exceptionally strong.

Product Weight

17HK700G-W	17HK701G-W Including Battery	14HK701G-W Including Battery
3.2kg (7lb)	3.4kg (7.5lb)	2.95kg (6.5lb)

Maximum Load Weight

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

Full (Uniform load)
300 kg (661 lb)

Local (Point load)
100 kg (220 lb)

Create a More Efficient Workflow

Access Point Mode*
Access Point Mode maximizes the efficiency and portability of the LG Digital X-ray Detector with a built-in access point that allows the device to transmit images to the workstation desktops or laptops directly.

2 sec (Wired) & 2.5 sec (Wireless) for Full Images
The LG Digital X-ray Detector delivers image previews in just 2 sec (Wired) and 2.5 sec (Wireless) for improved efficiency.

Auto Save on the Digital X-ray Detector**
The device can store up to 200 image sheets locally for continued use even in emergency situations when a Wi-Fi connection is not available. These images can then be transmitted once a connection has been established.
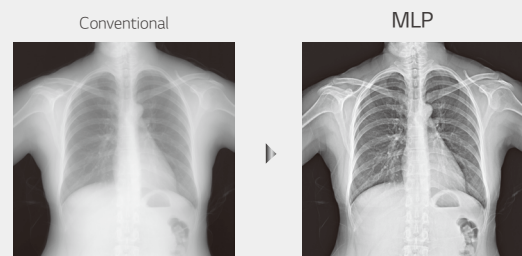
*Access Point Mode, Auto Save on the Digital X-ray Detector : Only for 17HK701G-W, 14HK701G-W
** When 200 sheets have been used, the first image will be erased in the event of continued use, in a first-in, first-out method.

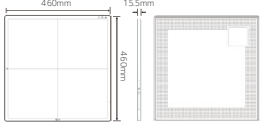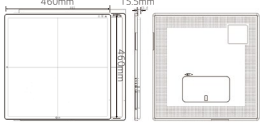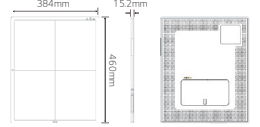## Acquisition Workstation Software(AWS) for LG DXD

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

Specification

Digital X-ray Detector

Model	17HK700G-W (Wired)	17HK701G-W (Wired / Wireless)	14HK701G-W (Wired / Wireless)
Dimension / Weight	460 mm x 460 mm x 15.5 mm	460 mm x 460 mm x 15.5 mm	384 mm x 460 mm x 15.2 mm
	3.2 kg	3.4 kg	2.95 kg
Application	Human, Veterinary		
TFT Type	A-Si		
Scintillator	CsI		
Pixel Pitch	140 μm		
Image Area — Number of Pixels	3072 x 3072 pixels	3072 x 3072 pixels	2500 x 3052 pixels
Image Area — TFT Active Area	430.08 x 430.08 mm	430.08 x 430.08 mm	350 x 427.28 mm
MTF — MTF @ 0.5lp/mm (Typ.)	89%		
DQE — DQE @ 0.1lp/mm (Typ.)	72%		
A/D Conversion	16 bit		
Data Output	16 bit		
Communication — Type	Wired	Wired / Wireless	Wired / Wireless
Communication — WLAN	-	IEEE802.11a/b/g/n/ac 2.4 GHz / 5 GHz	IEEE802.11a/b/g/n/ac 2.4 GHz / 5 GHz
Communication — Auto Exposure Detection	Yes		
Cycle Time	8 sec	8 sec (Ethernet) / 11 sec (WLAN)	8 sec (Ethernet) / 11 sec (WLAN)
Full Image Transfer (Typ.)	2 sec	2 sec (Wired) / 2.5 sec (Wireless)	2 sec (Wired) / 2.5 sec (Wireless)
Auto Save	-	Up to 200 images	Up to 200 images
Access Point Mode	-	Yes (Integrated)	Yes (Integrated)
Durability — Maximum Load Weight	Full (Uniform Load) : 300 kg, 661 lb		
	Local (Point Load) : 100 kg, 220 lb		
Durability — Watertightness	IP53		
Durability — Sensor Protection Plate	Carbon Fiber Plate		
Battery — Operation Time	-	(Typ.) 240 shots / 6.0 hrs (Condition : Interval Time 90 sec)	(Typ.) 260 shots / 6.5 hrs (Condition : Interval Time 90 sec)
Battery — Duration in Standby Status (Typ.)	-	13 hrs	13 hrs
Battery — Charging Time	-	3 hrs	3 hrs
Accessories — Cable	Power Cord, Main Cable 7 m (LAN Cable, Sync Cable Option)		
Accessories — Other	-	Battery Charger	
	-	Bundle Battery	
	Control Box		

Acquisition Workstation Software

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

LG Electronics Inc.
https://www.lg.com/global/business/virtual-showroom/medical-display