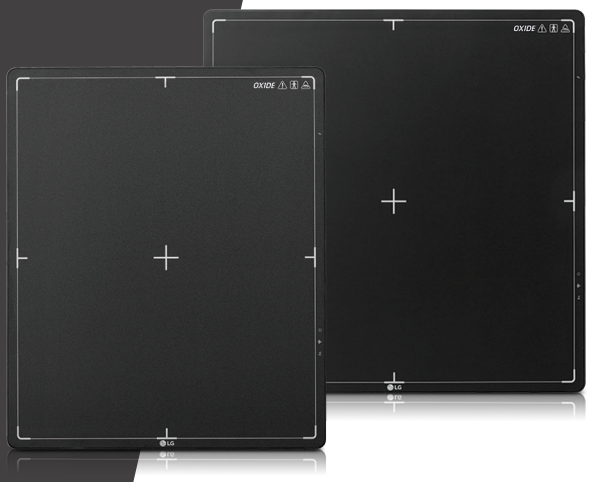


LG Business Solutions

Oxide TFT Digital X-Ray Detectors

17HQ901G | 14HQ901G

High Image Quality

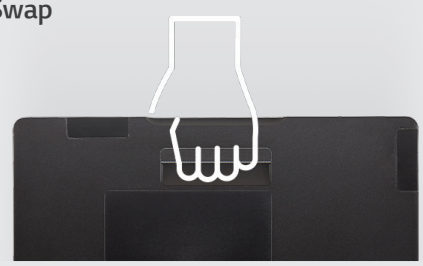
Get Clear Images with Oxide TFT



Enhanced Portability for Added Convenience

Improved Design (Handle | 4-side chamfer) | Long Battery Life | Hot Swap

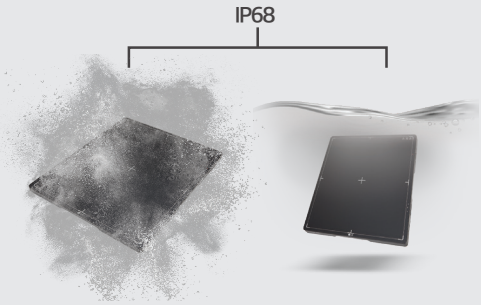
LG Digital X-ray Detector, upgraded from its previous 14/17HK701G design, comes with a rear-sided handle, sculpted handgrips and chamfers for increased portability and convenience. It also features up to 8 hours[1] of operating life and is equipped with Hot Swap built-in, removable batteries, which allow the device to maintain power for up to 1 minute when removed to ensure virtually seamless use.



1) Measured by irradiating image at a 90-second cycle (consisting of stand by mode, x-ray exposure, and image acquisition), obtaining approximately 320 shots. Actual battery usage time and performance may vary depending on network connectivity and application use.

IP68: Water Resistant & Dust-Tight | Load Weight

The LG Digital X-ray Detector is IP68 rated[2] and therefore protected against harmful contaminants such as water, dust and humidity. Its Level 6 dust-tight rating means that the device is protected against the ingress of dust, while its Level 8 water resistance rating means that it can withstand submersion for up to 30 minutes. This reduces the risk of malfunction even when used outdoors. Additionally, LG DXD with Oxide TFTs have a 400kg load capacity and a 200kg point weight.[3]



2) Tested under controlled laboratory conditions with an IP68 rating. Water resistant up to 1 meter for 30 minutes. Dry before using. Do not charge while wet.
3) Max uniform load and max point load when tested for 60 seconds.

Fast and Convenient Diagnosis Processing

SW Grid

LG SW Grid[4], which is supported via Acquisition Workstation Software (sold separately), estimates and corrects scatter radiations, reducing the need for a physical grid when using the device. Although no physical grid is used, SW Grid image quality is comparable to that of images processed using a grid.

4) Supported functions may differ depending on the region.



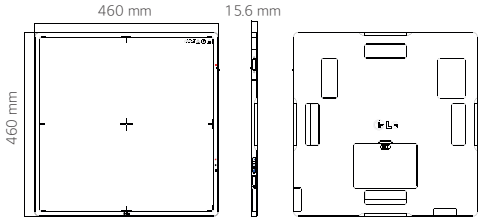
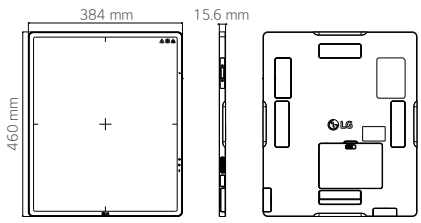
[Non Grid X-ray Image]



[After Image Processing with SW Grid]

Specification

Digital X-ray Detector

Model		17HQ901G (17 x 17-inch)	14HQ901G (14 x 17-inch)
Dimension / Weight (Including battery)		460 mm x 460 mm x 15.6 mm	384 mm x 460 mm x 15.6 mm
			
		3.6 kg (8 lbs)	3.0 kg (6.6 lbs)
Intended Use		General Radiography	
TFT Type		Oxide	
Scintillator		CsI	
Pixel Pitch		140 ㎛	
Image Area	Number of Pixels	3072 x 3072 pixels	3072 x 2560 pixels
	TFT Active Area	430.08 × 430.08 mm	358.40 x 430.08 mm
MTF	MTF @ 0.5lp/mm (Typ.)	84%	
A/D Conversion		16 bit	
Data Output		16 bit	
Communication	Type	Wired / Wireless	
	WLAN	IEEE802.11a/b/g/n/ac, 2.4GHz/5GHz	
	Auto Exposure Detection	Yes	
Cycle Time		4.5 sec (Wired) / 5 sec (Wireless)	
Full Image Transfer (Typ.) *Without window time		1.5 sec (Wired) / 2 sec (Wireless)	
Durability	Maximum Load Weight	Full (Uniform Load) : 400 kg (881.8 lbs)	
		Local (Point Load) : 200 kg (440.9 lbs)	
	Watertightness	IP68	
	Sensor Protection Plate	Carbon Fiber Plate	
Battery	Operation Time	300 shots / 7.5 hrs (Typ.) (Condition : Cycle time 90 sec)	320 shots / 8.0 hrs (Typ.) (Condition : Cycle Time 90 sec)
	Charging Time	3 hrs (Typ.)	
	Hot Swap	Yes (1 Min)	
Accessories	Cable	Power Cord, Main Cable 7 m (LAN Cable, Sync Cable Option)	
	Other	Battery Charger	
		2 x Battery Packs	
		Control Box	

Acquisition Workstation Software

Installation Requirement	OS	Microsoft Windows 10 (64 bit)
	DB	MariaDB
	Processor Options	Intel CPU Desk 6th gen i5 or above
	RAM	8 GB
	HDD	512 GB

LG Electronics Inc.
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