



# a-Si TFT Digital X-Ray Detectors

17HQ701G | 14HQ701G | 10HQ701G



## Outstanding Image Quality<sup>1)</sup>

Get Clear Images with a-Si TFT



1) The product images shown are for illustration purposes only and may not be an exact representation of the product.

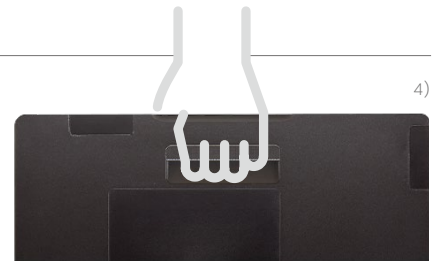


## Increased Portability and Durability

Improved Design (Handle | Side Chamfer)<sup>2)</sup> | Lightweight

LG Digital X-ray Detector models 17HQ701G, 14HQ701G, and 10HQ701G weigh 3.7kg, 3.2kg, and 1.9kg<sup>3)</sup>, respectively, and feature rear-sided handles with sculpted handgrips and chamfers for added portability.

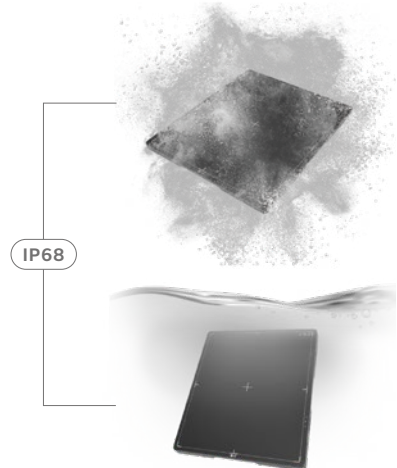
- 2) The 10HQ701G consists of a 3-sided chamfer handle and the 14 / 17HQ701G consist of a 4-sided chamfer handle.
- 3) Listed weight specifications refer to the product with battery included.
- 4) The image is shown for illustrative purposes only and may not be an exact representation of the product.



## IP68: Water Resistant & Dust-tight | Enhanced Load Weight

The LG Digital X-ray Detector is IP68 rated and therefore protected against water and dust. 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<sup>5)</sup>. Additionally, LG DXDs with a-Si TFT now come engineered with a 400kg load capacity and a 200kg point weight<sup>6)</sup>, a noticeable improvement over previous models.<sup>7)</sup>

- 5) According to the Ingress Protection (IP) Rating System, an IP68 means protection against solid foreign objects Level 6 (Dust-tight: no ingress of dust), and protection against liquids Level 8 (Immersion beyond 1 m: Protected against immersion in water with a depth of more than 1 meter.) This product has been tested under controlled laboratory conditions and received an IP68 rating. Under these conditions, product is water resistant up to 1 meter for 30 minutes. Dry before using. Do not charge while wet. Level of water resistance may change over time or with exposure to excessive amounts of liquid.
- 6) Maximum uniform load and maximum point load when tested under laboratory conditions for 60 seconds. Results may differ during actual usage.
- 7) Maximum Load Weight for 14HK701G / 17HK701G / 17HK700G models  
- Full (Uniform Load): 300kg / Local (Point Load): 100kg

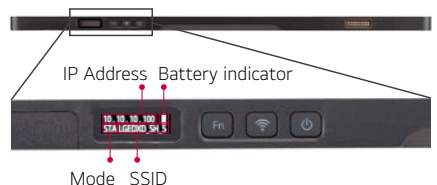


## Simplified Workflow

Reduced Image Transfer Times | Extended Battery Life | Hot Swap | OLED Display

LG Digital X-ray Detector delivers 1.5 sec, 2 sec, and 2.5 sec<sup>8)</sup> transfer speeds for wired connections and wireless connections, respectively. Its bright OLED display lets users monitor device status in real time and make necessary adjustments. It also features 7.5 hours on average<sup>9)</sup> of battery life, which allows for up to 300 X-ray images on a single charge and can hold power for up to a minute, providing virtually uninterrupted use when swapping out batteries.

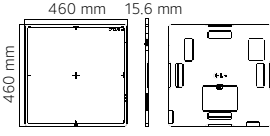
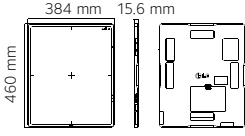
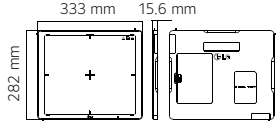
- 8) Full Image Transfer (Typ.): 17HQ701G is 1.5 sec (Wired) / 2.5 sec (Wireless).  
10 / 14HQ701G is 1.5 sec (Wired) / 2 sec (Wireless).
- 9) Measured by irradiating images during a 90-second cycle (consisting of standby mode, x-ray exposure, and image acquisition), obtaining approximately 300 shots. Actual battery usage time and performance may vary depending on network connectivity and application usage.



# Digital X-Ray Detector with a-Si TFT

## 17HQ701G | 14HQ701G | 10HQ701G

### Specification

		17HQ701G (17 x 17-inch)	14HQ701G (14 x 17-inch)	10HQ701G (10 x 12-inch)
<b>Model</b>				
<b>Dimension</b>		460 x 460 x 15.6 mm	384 x 460 x 15.6 mm	282 x 333 x 15.6 mm
<b>Weight (Including battery)</b>		3.7 kg (8.2 lbs)	3.2 kg (7.1 lbs)	1.9 kg (4.2 lbs)
<b>Intended Use</b>		General Radiography		
<b>TFT Type</b>		a-Si		
<b>Scintillator</b>		CsI		
<b>Pixel Pitch</b>		140 μm		
<b>Image Area</b>	Number of Pixels	3,072 x 3,072 pixels	2,500 x 3,052 pixels	2,048 x 1,792 pixels
	TFT Active Area	430.08 x 430.08 mm	350.0 x 427.28 mm	286.72 x 250.88 mm
<b>MTF</b>	MTF @ 0.5 lp/mm (Typ.)	84%		
<b>A/D Conversion</b>		16 bit		
<b>Data Output</b>		16 bit		
<b>Communication</b>	Type	Wired / Wireless		
	WLAN	IEEE802.11 a/b/g/n/ac, 2.4 GHz / 5 GHz		
	Auto Exposure Detection	Yes		
<b>Cycle Time</b>		4.5 sec (Wired) / 5 sec (Wireless)		
<b>Full Image Transfer (Typ.)</b> * Without window time		1.5 sec (Wired) / 2.5 sec (Wireless)	1.5 sec (Wired) / 2 sec (Wireless)	
<b>Durability</b>	Maximum Load Weight	Full (Uniform Load): 400 kg (881.8 lbs) Local (Point Load): 200 kg (440.9 lbs)		
	IP Rating	IP68		
	Drop (IEC60601-1 Test Condition)	1.5 m		
	Sensor Protection Plate	Carbon Fiber Plate		
<b>Battery</b>	Operation Time	300 shots / 7.5 hrs (Typ.) (Condition: Cycle Time 90 sec)		
	Charging Time	3 hrs (Typ.)		
	Hot Swap	Yes (1 Min)		
<b>Accessories</b>	Cable	Power Cord, Main Cable 7 m (LAN Cable, Sync Cable Option)		
	Other	Battery Charger		
		2 x Battery Packs		
		Control Box		

### Acquisition Workstation Software

<b>Accessories</b>	OS	Microsoft Windows 10, 11 (64 bit)
	Database	Maria DB
	CPU	Intel CPU Desk 6 th gen i5 or above
	RAM	8 GB
	HDD	512 GB



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