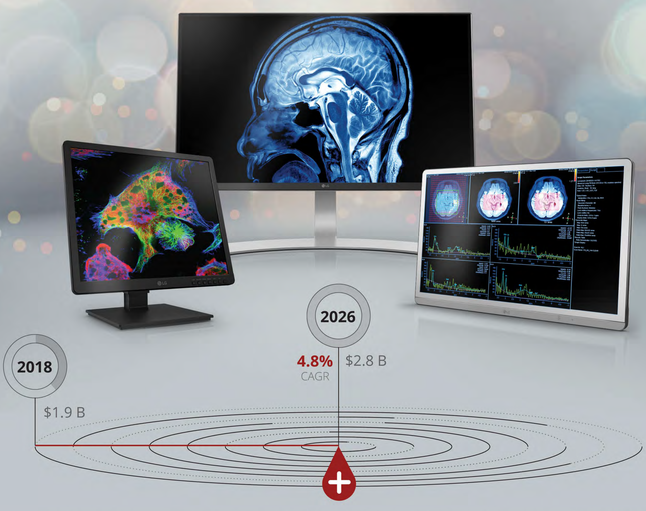
LG MEDICAL DISPLAYS

Assisting Medical Professionals from Diagnosis to Procedure



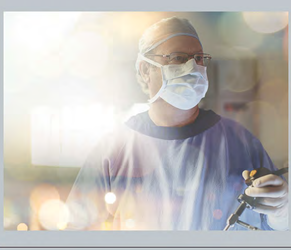
The global medical display market size was valued at $1.9 Billion in 2018 and is expected to reach $2.8 Billion in 2026 with a CAGR of 4.8% during the forecast period.[1] Medical professionals such as surgeons, radiologists, and information technology specialists recognize the vital role these specialized medical-grade displays play in diagnosing patients accurately by delivering precise images for better detection.

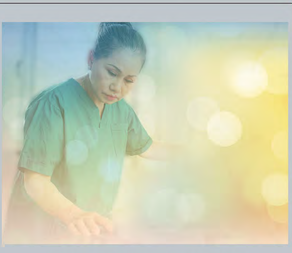
DIAGNOSTIC MONITORS

Diagnostic monitors are used by medical professionals to view images during diagnosis. LG diagnostic monitors deliver DICOM calibrated brightness levels and are DICOM Part 14 compliant, allowing doctors to discern the fine detail in patients' medical images. An internal backlight sensor provides stable image quality while remote & self-calibration combine to ensure consistent medical images, giving medical professionals confidence in their diagnostic analysis and decision making, while also improving workflow.

SURGICAL MONITORS

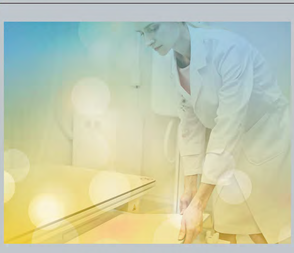
Designed for surgeons who require extreme accuracy to perform procedures without incident, surgical displays deliver images with sRGB 115% (Deep Red) for precise color expression, especially red. These displays are engineered to work in demanding surgical theater environments, and incorporate dustproof and water resistance (IP35/IP32) as added protection against unexpected contact with various substances, as reliability is critical.





CLINICAL REVIEW MONITORS

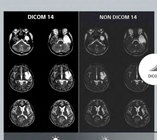
Clinical review monitors are used by various medical professionals to review medical images, provide referrals, and other activities that support the patient diagnosis. They are DICOM Part 14 compliant and deliver a consistent grayscale so that doctors can double-check data between compliant monitors with confidence.



DIGITAL X-RAY DETECTORS

Designed to deliver diagnostic accuracy and superior image quality, Digital X-Ray Detectors are capable of providing high resolution and clear image quality very quickly to make a highly accurate, timely diagnosis. Advanced 16bit image processing and ideal pixel pitches of 140㎛ deliver high-resolution images.

FOCUS ON LG FEATURES



DICOM PART 14

The Digital Imaging and Communications in Medicine (DICOM) specifies a uniform standard for grayscale display that allows for more precise diagnosis by enabling observers to discern all possible shades of gray in images viewed on medical displays.

BRIGHTNESS STABILIZATION

A sensor measures the backlight brightness stability and compensates for brightness fluctuations caused by aging for a consistently stable display during the usage period. Drift correction quickly stabilizes the brightness level of the monitor upon startup for highly accurate images.

READER MODE & FLICKER-SAFE

LG's Reader Mode reduces blue light while Flicker-Safe technology reduces flickering to almost zero, to allow doctors to view images more comfortably for extended periods.

DYNAMIC SYNC MODE

Low input lag and quick response times deliver sharp images in real-time so surgeons can perform procedures smoothly and without hesitation.

* Dynamic Sync Mode is only available to 60Hz inputs source.

SELF-CALIBRATION

Remote software allows calibration and quality assurance to be managed remotely and to improve image quality and consistency, to maintain accurate values while increasing productivity and efficiency by reducing additional operating costs or human resources.

115% OF SRGB ENHANCING DEEP RED

sRGB 115% (Deep Red) enhances the deep red color spectrum to reveal more precise color expression of red tones.

ENHANCED SERVICE FOR HIGH QUALITY PRODUCTS

LG ENHANCED SERVICE PLANS help protect commercial displays purchased for the hospitality, health care, and digital signage sectors with extended service coverage that brings peace of mind.

QUICKSWAP[2] (ADVANCED EXCHANGE) minimizes device downtime by offering accelerated return shipping and delivery with Next Business Day or 2nd Business Day options.

WHITE-GLOVE QUICK SWAP[2] (ADVANCED EXCHANGE) pairs clients with an LG authorized technician who will meet you on-site for the removal, reinstallation, and return of products.

Visit https://www.lg.com/us/business/medical-monitors for more information.

[1] https://www.alliedmarketresearch.com/medical-display-market
[2] Available at an additional cost.

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