

## Surgical Display Solutions

27"

32"4K

55"4K



**Double Black Imaging** is pleased to offer you surgical displays which will enhance both new and existing surgical environments. These displays have been engineered to accept a wide variety of video signals, enabling your facility to easily work with legacy equipment, the latest in source technology, and everything in between.

These displays have been designed for one purpose and one purpose only: to provide physicians with a crystal clear picture during delicate procedures. The images provided are both smooth and artifact-free. This group of displays will handle multiple signal inputs and offer features such as touch screen technology in a variety of screen sizes.

The flexibility, quality and reliability of these displays will make them a welcome addition to your surgical space. These displays will mount securely to booms and yokes, as they are built to withstand the daily rigors of use in the OR. They perform well when needed, even after being moved around, bumped, adjusted and cleaned repeatedly.



### About Double Black Imaging and our Image Systems Display Division

We are proud to be the largest U.S. based medical display supplier and calibration software developer of displays used in diagnostic imaging. Our surgical solutions take advantage of our expertise in displays used in healthcare settings.

Our team has a renowned history of providing the industry's finest customer service, continually acknowledged by thousands of healthcare and I.T. professionals who put their trust in us every day.

We are dedicated to developing innovative imaging solutions that greatly improve image quality and usability. Making imaging more efficient and reducing healthcare costs are the cornerstones of what DBI stands for.



Specifications	C27	C32 4K	C55 4K
Panel Type	27" TFT LCD (LED)	32" TFT LCD (LED)	55" TFT LCD (LED)
Aspect Ratio	16:9	16:9	16:9
Resolution	1920x1080	3840x2160	3840x2160
Brightness	800 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
Contrast Ratio	1000:1 Typical	1350:1 Typical	1100:1 Typical
Display Colors	1.07 Billion	1.07 Billion	1.07 Billion
Response Time	14ms	8 ms	8 ms
Pixel Pitch	0.3114(W)mm x 0.3114(H)mm	0.1845(W)mm x 0.1845(H)mm	0.315(W)mm x 0.315(H)mm
Viewing Angle	R/L 178°, U/D 178°	R/L 178°, U/D 178°	R/L 178°, U/D 178°
Backlight	LED	LED	LED
Dimensions (mm) WxHxD	673x425x 75.2 mm	773 x 478 x 75.2 mm	1278 x 756 x 82.5 mm
Dimensions (inch) WxHxD	26.49 x 16.73 x 2.96"	30.43 x 18.82 x 2.96"	50.31x 29.76 x 3.25"
Weight (kg)	8.73 kg	11.80 kg	36.65 kg
Weight (lbs)	19.25 lbs	26.01 lbs	80.80 lbs
VESA Mounting	100x100, 100x200mm	100 x 100mm, 100 x 200mm	M8 600x400
Power Supply	AC/DC Adaptor (AC 100-240V, DC 24V 6.6A)	AC/DC Adaptor (AC 100-240V, DC 24V 6.6A)	SMPS (AC 100 ~240V)
IP Rating	IP33- overall, IP44- front only	IP33 overall, IP44 -front only	IP33-overall, IP42- front only
Input Signal	2 x DVI (Single Link) 1 x VGA 1 x SD/HD/3G-SDI 1 x Component (RGBS, YPbPr)	1 x HDMI 2.0 2 x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G) 2 x SDI (12G)	1 x HDMI 2.0 2 x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G) 2 x SDI (12G)
Output Signal	1 x DVI (Single Link) 1 x SD/HD/3G-SDI (BNC)	1x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G), 2 x SDI	1x DP 1.2 (SST) 1 x DVI (single link) 4 x SDI (3G), 2 x SDI (12G)
GPIO Port	Swap, PIP/PBP1/PBP2/Select, Record Indicator		
Certifications	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDR(EU) 2017/745 Class I Medical Device	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDR(EU) 2017/745 Class I Medical Device	ANSI/AAMI ES60601-1(UL60601-1), CAN/CSA C22.2 No. 60601-1, FCC Class B, EN60601-1, EN60601-1-2, CE, MDR(EU) 2017/745 Class I Medical Device

**Features Include:**



- Specifically designed for displaying surgical images
- Flush-front glass for cleaning and sterilization
- Longer life, cool temperature LED backlight
- Manufactured with medical-grade quality and reliability
- Calibrated for surgical color and gray scale reproduction
- Extensive video connections allows for device compatibility
- Fast, near-zero latency for instantaneous image display
- Calibrated for clinical color and gray scale reproduction
- Surgeon confidence is strengthened with clear visualization

**Hassle-Free Services & Support**

Overcome technical challenges with our team of experienced engineers and technicians. Whether it's a simple answer or on-site troubleshooting, we can help any time, every time. Accurate and consistent presentation of images is a critical requirement for radiology displays.



**DBI Service Desk**  
Comprehensive  
Technical Support



**Hot Swap**  
Extended Warranty &  
Advanced Replacement Program

[www.doubleblackimaging.com/servicedesk](http://www.doubleblackimaging.com/servicedesk)