



**DOUBLE BLACK**  
**I M A G I N G**

Healthcare

Surgical Suite

Display Solutions

## Surgical Display Solutions

26"

27"

32"4K

55"4K

58"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.

**image**systems  
A division of Double Black Imaging

Specifications	C26SF	C27SF	C32SF 4K
Panel Type	26" TFT LCD (LED)	27" TFT LCD (LED)	32" TFT LCD (LED)
Aspect Ratio	16:9	16:9	16:9
Resolution	1920x1080	1920x1080	3840x2160
Brightness	500 cd/m <sup>2</sup>	800 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>
Contrast Ratio	1500:1 Typical	1000:1 Typical	1350:1 Typical
Display Colors	1.07 Billion	1.07 Billion	1.07 Billion
Response Time	10ms	14 ms	8 ms
Pixel Pitch	0.30(W)mm x 0.30(H)mm	0.3114(W)mm x 0.3114(H)mm	0.1845(W)mm x 0.1845(H)mm
Viewing Angle	R/L 178°, U/D 178°		R/L 178°, U/D 178°
Backlight	LED	LED	LED
Dimensions (mm) WxHxD	640x 402x 78 mm	673x425x 75.2 mm	773 x 478 x 75.2 mm
Dimensions (inch) WxHxD	25.20 x 15.83 x 3.07"	26.49 x 16.73 x 2.96"	30.43 x 18.82 x 2.96"
Weight (kg)	8.44 kg	8.73 kg	11.80 kg
Weight (lbs)	18.61 lbs	19.25 lbs	26.01 lbs
VESA Mounting	8-M4, 100x100, 100x200mm	100 x 100mm, 100 x 200mm	
Power Supply	AC/DC Adaptor (AC 100-240V, DC 24V 6.6A)	AC/DC Adaptor (AC 100-240V, DC 24V 6.6A)	AC/DC Adaptor (AC 100-240V, DC 24V 6.6A)
IP Rating	IP33- overall, IP44- front only	IP33 overall, IP44 -front only	IP33-overall, IP44- front only
Input Signal	1 x DVI-D 1 1 x DVI-D 2(fiber optional) 1 x VGA (D-sub) 1 x SD/HD/3G-SDI (BNC) 1 x C-Video (BNC) 1 x S-Video (Y/C) (2 x BNC) 1 x Component (RGBS,YPbPr) (5 x BNC)	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)
Output Signal	1 x DVI-D 1 x SD/HD/3G-SDI (BNC)	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 (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)

Specifications	C55SF 4K	C58SF 4K
Panel Type	55" TFT LCD (LED)	58" TFT LCD (LED)
Aspect Ratio	16:9	16:9
Resolution	3840x2160	3840x2160
Brightness	500 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>
Contrast Ratio	1100:1 Typical	4000:1 Typical
Display Colors	1.07 Billion	1.07 Billion
Response Time	8 ms	9.5 ms
Pixel Pitch	0.315(W)mm x 0.315(H)mm	0.33075(W)mm x 0.334(H)mm
Viewing Angle	R/L 178°, U/D 178°	R/L 176°, U/D 176°
Backlight	LED	LED
Dimensions (mm) WxHxD	1278 x 756 x 82.5 mm	1358 x 822 x 105 mm
Dimensions (inch) WxHxD	50.31x 29.76 x 3.25"	53.46 x 32.36 x 4.13"
Weight (kg)	36.65 kg	43.41 kg
Weight (lbs)	80.80 lbs	95.70 lbs
VESA Mounting	M8 600x400	M8 600x400mm
Power Supply	SMPS (AC 100 ~240V)	SMPS (AC 90-270V)
Enclosure Rating	IP30- overall, IP42- front only	IP20 overall, IP42 front only
Input Signal	1 x HDMI 2.0 2 x DP 1.2 (SST) 1 x DVI (single link) 4 (Quad) x SDI (3G) 2 x SDI (12G)	1 x HDMI 2.0 2 x DP 1.2 (SST) 1 x DVI (single link) 2 x DVI (dual link)
Output Signal	1 x DP 1.2 (SST) 1 x DVI (single link) 4 (Quad) x SDI (3G) 2 x SDI (12G)	1 x DVI (single link) 1 x DP 1.2 (SST)
External Control	RS232C	RS232C
GPIO Port	Swap, PIP/PBP1/PBP2 Select, Record Indicator	Swap, PIP/PBP1/PBP2/PIP3/ Select, Record Indicator
Hand Remote	Yes	Yes
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

**Features Include:**

- Ultra-high resolution (3840 x 2160 pixels)
- Image mirror/rotate, overscan, freeze
- PIP/PBP/TRIPLE/QUAD
- High brightness, high contrast LCD technology
- DICOM mode for diagnostic quality viewing in a surgical grade display

**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)