Display Solutions Optimized for Breast Imaging

Ideal for use with multi-modality imaging, including Mammography and Tomosynthesis, Double Black Imaging's line of Breast Imaging Displays provide clear, crisp images for diagnostic imaging.

Our Gemini Series color LED backlit display systems double the resolution and eliminate the gap between screens in multi-head display configurations. Allowing the eye to glide between images uninterrupted increases productivity and user efficiency. Our N-Series 5MP Mammo systems provide dual-head displays angled inward for increased user comfort.

The entire fleet of Double Black Imaging Breast Imaging displays are equipped with built in front sensors for hands-free automatic DICOM 3.14 calibration, backlight sensors to maintain stability over time, ambient light sensors, auto-report generation, and non-conformance alerts via the web.

Additional user friendly features include auto-dimming capability, image pinpointing, cursor wrap, and cursor genie functions – improving workflow and enhancing the user experience.

About Double Black Imaging and our Image Systems Display Division

We are proud to be the largest display supplier and calibration software developer, creating 100% of our software and performing 100% display system integration in the USA.

Our team has a renowned history of providing the industry's finest customer service, continually acknowledged by thousands of users and IT Professionals who put their trust in us every day.

We are dedicated to developing innovative imaging solutions that greatly improve image quality and stability. Making imaging more efficient and reducing cost of ownership are DBI Cornerstones.

Gemini 12MP

N Series 5MP Dual Display System

DOUBLE BLACK
I M A G I N G

Automatic DICOM Calibration with CFS ™

Active Monitoring
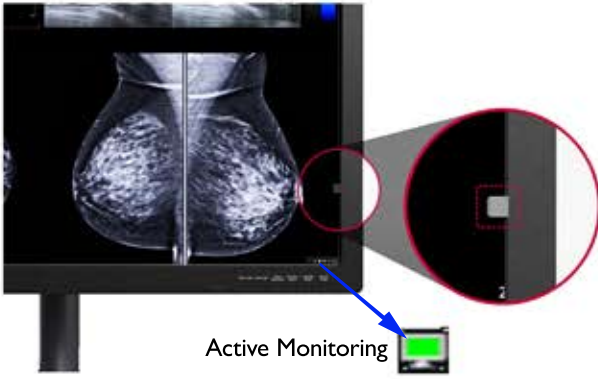
Built in front sensors eliminate the need for bulky photometers and manual, time-consuming calibration and conformance testing. All DBI displays are bundled with the CFS™ Calibration software suite for automatic DICOM calibration, conformance testing, report generation, MQSA testing, reporting, and non-conformance alerts via the web.


Lighting to Reduce Eye Strain

Each Double Black Imaging Breast Imaging system is equipped with private ambient lights to illuminate the reading station desk and/or wall.
The adjustable built in lighting system allows the radiologist to work effectively and comfortably while reducing fatigue and eye strain.
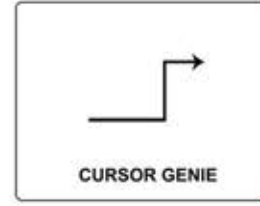
Productivity Tool Kit

The inclusive CFS Productivity toolkit consists of several utilities designed to improve User workflow, enhance visual clarity, reduce distraction, minimize hand strain, fatigue, frustration, and ultimately diminish visual strain.

AUTO DIM FEATURE
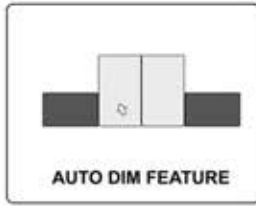
Eliminates distractions and eye strain from bright neighboring monitors

CURSOR GENIE

Saves time and the frustration of a user's cursor getting stuck in the corners of a display

PINPOINT
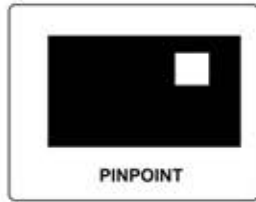
Enables the user to concentrate on key areas of interest

CURSOR WRAP
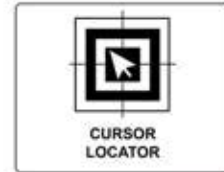
Allows the user to quickly move between screens in a multi-display environment, reducing hand strain

CURSOR LOCATOR

Rapidly locates the cursor and allows the user return to work quickly without frustration

Ergonomically Designed

Each display is ergonomically designed to reduce strain and fatigue caused by long hours at the workstation. This stand allows users to freely adjust the tilt, height, and swivel.
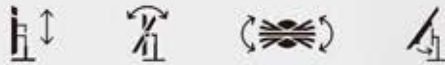
Display base and design differ between models

Breast Imaging Displays - Technical Specifications

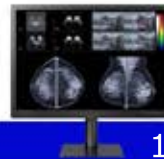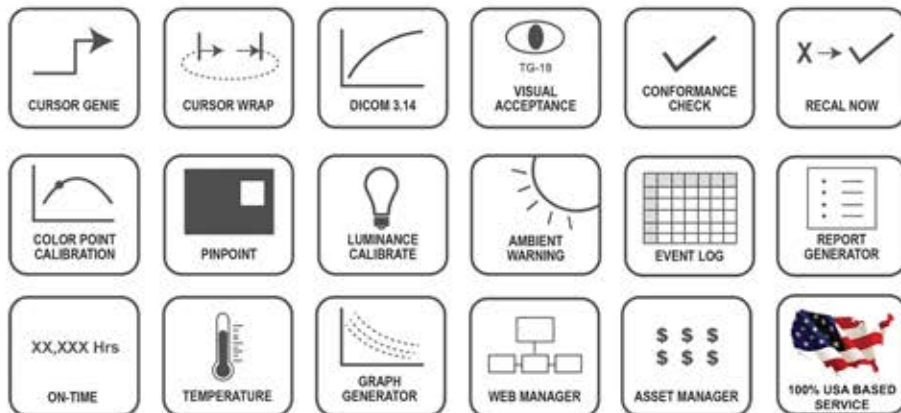| Specifications	5MP Color	12G
Size and Aspect Ratio	21.3" / 4:3 Aspect Ratio	31" / 3:2 Aspect Ratio
Active Display Area H x V	13.30 x 16.63"	25.75 x 17.125"
Resolution	2048 x 2560 (5MP)	4200 x 2800 (12MP)
Brightness	1150 cd/m²; 420-500cd/m² Calibrated	1080 cd/m²; 420-600cd/m² Calibrated
Contrast Ratio	2000:1	1500:1
Look Up Table	14-bit LUT	
Response Time	14 rising; 11ms falling Typ.	14ms (Off); 5ms (Fast Setting)
Pixel Pitch	0.165 x 0.165 mm	0.1554 x 0.1554 mm
Built In Sensors	Front Sensor, Backlight Sensor, Ambient Light Sensor, Temperature Sensor (5MP), Presence Sensor (12MP)	
Tilt/Swivel/Height Adjustment	-3 to 15º; +/- 20º; 110mm	-5 to 15o; +/- 15o; 110mm
Panel Technology	TFT AMLCD IPS Color, LED Backlit	
Viewing Angle	178º Typ.	
Video Input / USB	DisplayPort, DVI-D, USB (1 up, 3 down)	DisplayPort (2), USB (1 up, 3 down)
Power Supply	External for Added Reliability. AC Input to power brick: 100-240V	
Power Consumption	75w max/ Power save ~2w	80w max/ Power save <0.3w
Operating Temperature	0º to 40ºC (32º to 104ºF)	
Operational Humidity	15% - 80%	
Storage Temperature	-20º to +60ºC (-4º to + 140ºF)	
Weight w/ stand (approx)	24.3 lbs w/stand; 16 lbs w/o stand	30.9 lbs w/stand; 23.6 w/o stand
Dimensions (W x H x D) w/stand full height	15.4" x 20.5" x 13.7" w/stand 15.4" x 18.75" x 10" w/o stand	27.7"x 26.1" x 11 w/stand 27.7" x 19.7" x 3.3" w/o stand
Mounting Options	100 x 100 mm VESA	
Safety & Emissions	All: EN60601-1, ANSI/AAMI ES 60601-1, CAN/CAS C22.2 No. 60601, IEC/EN 60601-1, FDA 510(k) for Mammo/Tomo. 5MP: FCC Class B, VCCi, KC, ICES, C-Tick. 12MP: FCC (Part 15 Class A), RoHS, REACH, WEEE, IEC 60950-1/CISPR32/35	
Warranty	5-Year warranty with Advance Hot Swap	
PACS Application	Multi-Modality PACS, CR/DR CT MRI US DSI DSA PET/CT Image Fusion X-Ray Nuclear Medicine	
Mammography Application	Digital Mammography, Digital Breast Tomosynthesis	

Calibration Feedback System – CFS™

- ■ Our industry leading CFS™ software - Client and Web Manager
- ■ Ensures calibration and confidence to DICOM 3.14
- ■ Provides tools to enhance visibility, efficiency, workflow
- ■ Enables performance monitoring and asset management
- ■ Accurate calibration of both color and gray shades
- ■ CFS™ Software comes standard with every G-Series display

CURSOR GENIE CURSOR WRAP DICOM 3.14 TG-18 VISUAL ACCEPTANCE CONFORMANCE CHECK X→✓ RECAL NOW

COLOR POINT CALIBRATION PINPOINT LUMINANCE CALIBRATE AMBIENT WARNING EVENT LOG REPORT GENERATOR

XX,XXX Hrs ON-TIME TEMPERATURE GRAPH GENERATOR WEB MANAGER $ $ $ $ $ $ ASSET MANAGER 100% USA BASED SERVICE

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

DOUBLE BLACK IMAGING