

Coronis 5MP

Premium 5 MegaPixel diagnostic display system



5 YEAR WARRANTY



Unsurpassed image quality

Barco's Coronis 5MP display station has been engineered for very demanding medical imaging applications. The high-grade 5MP system offers unsurpassed film-like images with ultra-high resolution, high luminance and high contrast ratio.

The 21.3" LCD provides unequalled image quality without pixelization, a wide viewing angle and perfect geometry. The integrated Coronis Portrait Accelerator assures full performance in portrait mode.

Barco's state-of-the-art 5MP display system ensures low life cycle cost, user-friendliness and increased productivity. Its high resolution reduces the need for panning and roaming.



Continuous DICOM compliance

To ensure superior image accuracy and diagnostic confidence, the Coronis 5MP display system includes the unique I-Guard® technology. The compact, front-mounted I-Guard® sensor continually guards and adjusts the luminance output of the actual diagnostic viewing area at the front of the display. Barco's I-Guard® sensor truly sees what you see, ensuring consistent image quality and continuous DICOM accuracy over time and across displays.



Transparent calibration and Quality Assurance

The Coronis 5MP benefits from an innovative softcopy QA system that brings a new degree of transparency to your QA routine. Together with the intelligent I-Guard sensor, MediCal QAWeb provides an easy-to-use tool for calibration and QA, ensuring continuous diagnostic quality and maximum uptime of your workstation. Running in the background, MediCal QAWeb allows you to continue diagnoses while automated QA checks are being executed. Moreover, the system includes a secure online web service for remote, centralized image quality management.



High-speed image rendering

Coronis 5MP systems are driven by high-speed BarcoMed Coronis display controllers with AURA technology. With PCI or PCI Express performance and image download speeds up to 320 MB per second, the BarcoMed Coronis boards are the fastest display controllers in their league. They are compatible with Windows 2000 Professional, Windows XP Professional, Windows Server 2003 and Windows Vista.



Maximum protection of the LCD

All Coronis 5MP displays are equipped with a protective diagnostic front glass, which shields the panel against damage from intensive use in clinical rooms.



Complete peace of mind

Built to deliver maximum peace of mind, Coronis 5MP display systems come standard with a 5 year warranty. In addition, Barco offers an array of dedicated support services to help you reduce unscheduled downtime and keep your expenses under control. Barco's global organization is your guarantee for professional support, wherever you are, whenever you need it.

Main benefits:

- Lowest cost of ownership
- Continuous DICOM-compliant imaging thanks to integrated I-Guard® technology
- High contrast ratio and luminance for superior image quality in all environments
- Automated quality with intervention-free QA
- Available as single- and multi-head systems
- All-inclusive display system, including display controller, QA software, portrait/landscape accelerator, cables and driver
- Ergonomic design with protective front cover
- Real plug and play



Technical specifications Coronis 5MP displays

LCD PANEL

Technology:	TFT AMLCD Dual Domain IPS Grayscale, 3 subpixels per pixel
Native resolution:	2560 x 2048 / 2048 x 2560
Pixel pitch:	0.165 mm
Active screen diagonal:	540.9 mm (21.3")
Active screen area:	422.4 x 337.9 mm (16.6 x 13.3")
Viewing angle (Hor./Vert.):	170° (at 10:1 contrast)

VISUAL CHARACTERISTICS

Dark room contrast:	800:1 typical
Luminance (typical):	500 cd/m ² (145.9 fL) calibrated 700 cd/m ² (204 fL) typical
Stabilization, calibration and automated QA:	Embedded I-Guard®

ENVIRONMENTAL

Power save:	Supports DPMS
Operating temp range:	0°C to +40°C (32°F to 104°F)
Within specifications:	+15°C to +35°C (59°F to 95°F)

APPROVALS

Safety:	CE, UL60950, CSA C22.2 No 60950 (c-UL), CB, IEC 60950, DEMKO EN 60950
Emission:	EN 55022, EN 500082-1, FDA 510 k

CONNECTIVITY

Digital video input:	Dual DVI (Complying to VESA DVI)
Analo video input:	Not applicable
Display control & comm.:	DDC (complying to DDC2Bi standard), EDID
Digital video / DDC input connector:	One physical DVI connector, one cable
USB:	USB-hub with 1 up- and 2 downstream ports
Supported resolutions:	2560 x 2048 (Landscape) 2048 x 2560 (Portrait, features Portrait Accelerator) VGA boot (1 to 1 pixel mapping)

POWER REQUIREMENTS

Input:	90 to 264 VAC, 45 to 65 Hz, 72W max.
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PHYSICAL CHARACTERISTICS

Dimensions (WxHxD):	P: 408 x 592 x 217 mm (16.1 x 23.3 x 8.5") 13.5 kg (29.7 lbs)
Weight:	
Ergonomics:	Tilt & swivel base with P/L rotation 100mm VESA mounting standard AR coated front cover
Display controls:	Display on/off, backlight adjustment, OSD

Technical specifications BarcoMed Coronis display controllers

SYSTEM REQUIREMENTS

Bus:	PCI 2.2, universal signaling PCI Express® x8
Bus clock speed:	66 MHz
Bus width:	64 bit
Power consumption:	< 15 Watt
Form factor:	106 x 176 x 16 mm (4.2 x 6.9 x 0.6")
OS:	Microsoft Windows NT, 2000, XP, Vista
Platforms:	Pentium class and up

TEMPERATURE

Operational:	+10°C to +60°C (50°F to 140°F)
Storage:	-40°C to +85°C (-40°F to 185°F)

CHARACTERISTICS

Display configuration:	Single- or dual-head portrait or landscape
Graphics processor:	AURA technology
Display memory:	128 MB
LUT	10 bits in / 10 bits out
Electrical standard:	Single DVI complying to VESA DVI Rev. 1.0
VIDEO OUTPUT	
Supported resolutions:	2560 x 2048 @50 Hz 2048 x 2560 @50 Hz
Connectors:	Two DVI connectors (one per head)

EMI

FCC class B, CE, EN 55022 B, EN 61000-6, IEC 60601-1-2
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Request more information

Europe, Middle East,
Africa & Latin America
Phone: +32 56 233 557
sales.medical.eu@barco.com

North America
Phone: +1 866 302 7939
sales.medical.us@barco.com

Taiwan
Phone: +886 2 8221 6868
sales.medical.apac@barco.com

South Korea
Phone: +82 2 2175 8900
sales.medical.apac@barco.com

China
Phone: +86 21 5465 5501
sales.medical.apac@barco.com

Singapore
Phone: +65-6243.7610
sales.medical.apac@barco.com

Australia
Phone: +61 3 9646 5833
sales.medical.apac@barco.com

Japan
Phone: +81 3 3279 0771