

Coronis 5MP (MFGD-5421)

5 MegaPixel premium diagnostic grayscale display system



The high-grade Coronis 5MP display system offers unsurpassed film-like images with ultra-high resolution, luminance and contrast. The 21.3" LCD provides unequaled image quality without pixelization, a wide viewing angle and perfect geometry.

The Coronis 5MP display system includes:

- One or more 5 MegaPixel flat panel displays
- MediCal QAWeb software for automated calibration and Quality Assurance
- A BarcoMed PCIe display controller

Check the compatibility matrix for more info about alternative display controllers.

BARCO

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Technical specifications

Screen technology	TFT AM LCD Dual Domain IPS
Active screen size (diagonal)	541 mm (21.3")
Active screen size (H x V)	422 x 378 mm (16.6 x 13.3")
Aspect ratio (H:V)	5:4
Resolution	5MP (2560 x 2048)
Pixel pitch	0.1650 mm
Color imaging	No
Gray imaging	Yes
Number of grayscales (LUT in/LUT out)	1024 grey levels (10/10)
Viewing angle (H, V)	170°
Uniform Luminance Technology (ULT)	No
Per Pixel Uniformity (PPU)	No
Ambient Light Compensation (ALC)	No
Backlight Output Stabilization (BLOS)	No
I-Guard	Yes
Maximum luminance	900 cd/m²
DICOM calibrated luminance (ULT off)	500 cd/m²
Contrast ratio (ULT off)	800:1
Response time (Tr + Tf)	50 ms
Scanning frequency (H; V)	30-150 kHz; 15-80 Hz
Housing color	Gray
Video input signals	DVI-D Dual Link
Video inout terminals	NA
USB ports	1 upstream, 2 downstream
USB standard	1.1
Power requirements (nominal)	100-240V
Power consumption (nominal)	72W
Power save mode	Yes
Power management	DVI-DMPM
Dot clock	280 MHz
OSD languages	English
Dimensions with stand (W x H x D)	Portrait: 408 x 582~642 x 250 mm Landscape: 493 x 508~568 x 250 mm
Dimensions w/o stand (W x H x D)	Portrait: 408 x 493 x 114 mm Landscape: 493 x 408 x 114 mm
Dimensions packaged (W x H x D)	519 x 339 x 699 mm
Net weight with stand	13.5 kg
Net weight w/o stand	9.4 kg
Net weight packaged with stand	15.3 kg
Net weight packaged w/o stand	11.2 kg
Height adjustment range	60 mm
Tilt	-5° / +30°
Swivel	-45° / +45°
Pivot	90°
Mounting standard	VESA (100 mm)
Screen protection	Protective, non-reflective glass cover

Recommended modalities	CT, MR, US, DR, CR, NM, Film
Certifications	UL 60601-1 1ST EDITION, CAN/CSA-C22.2 NO. 601.1-M90 IEC 60601-1 2ND ED:1988 + A1:1991 + A2:1995, IEC 60950-1:2001 1ST EDITION, CE - 2004/108/EC, DEMKO - EN 60601-1, CCC - GB9254-2008 + GB4943-2001 + GB17625.1-2003, KCC, VCCI, FCC class A, FDA, VCCI, RoHs
Supplied accessories	User manual Video cable (DVI Single Link) Main cables (European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC)) External power supply
Optional accessories	NA
QA software	MediCal QAWeb
Units per pallet	NA
Pallet dimensions (W x H)	NA
Warranty	5 years