

# Technical specifications Coronis

Display	Coronis 2MP	Coronis 3MP	Coronis Color 2MP
Display product code	MDCG-2121	MDCG-3120	MDCC-2121
Display technology	SA-SFT AM LCD IPS	TFT AM LCD Dual Domain IPS	TFT AM LCD Dual Domain IPS-Pro
Active screen diagonal	540 mm (21.3")	528 mm (20.8")	540 mm (21.3")
Active screen width	432 mm (17.0")	424 mm (16.7")	432 mm (17.0")
Active screen height	324 mm (12.8")	318 mm (12.5")	324 mm (12.8")
Pixel pitch	0.270 mm (0.01063")	0.207 mm (0.00815")	0.270 mm (0.01063")
Resolution	1600 x 1200 / 1200 x 1600	2048 x 1536 / 1536 x 2048	1600 x 1200 / 1200 x 1600
Maximum luminance	900 cd/m <sup>2</sup> (262.68 fl) (typ)	1000 cd/m <sup>2</sup> (291.87 fl) (typ)	700 cd/m <sup>2</sup> (204.30 fl) (typ)
DICOM calibrated luminance	500 cd/m <sup>2</sup> (145.93 fl)	500 cd/m <sup>2</sup> (145.93 fl)	300 cd/m <sup>2</sup> (87.56 fl) (Native white, ULT off)
Contrast ratio (dark reading room)	700:1 (Typ.)	900:1 (Typ.)	1100:1 (Typ.)
Viewing angle	170°	170°	170°
Display LUT	12 bit	12 bit	30 bit color
Video input	DVI	DVI	DVI
Image stabilization	embedded I-Guard	embedded I-Guard	embedded I-Guard
Uniform Luminance Technology	Yes	Yes	Yes
Ambient Light Compensation (ALC)	Yes	Yes	Yes
Display dimensions portrait (WxHxD) (*)	369 x 559 x 285 mm 14.53" x 22.01" x 11.22"	369 x 559 x 285 mm 14.53" x 22.01" x 11.22"	381 x 565 x 285 mm 15" x 22.24" x 11.22"
Display dimensions landscape (WxHxD) (*)	477 x 504 x 285 mm 18.78" x 19.84" x 11.22"	477 x 504 x 285 mm 18.78" x 19.84" x 11.22"	489 x 510 x 285 mm 19.25" x 20.08" x 11.22"
Display weight	16,5 kg (36.4 lb)	16,5 kg (36.4 lb)	16,5 kg (36.4 lb)
Approvals	EN60601-1-2 FCC-B CE,CCC, ICES-001, KETI, PSE	EN60601-1-2 FCC-B CE,CCC, ICES-001, KETI, PSE	EN60601-1-2 FCC-B CE,CCC, ICES-001, KETI, PSE
Operational temperature range	0°C to + 40°C (32°F to 98°F)	0°C to + 40°C (32°F to 98°F)	0°C to + 40°C (32°F to 98°F)
Within spec temperature range	+15°C to +35°C (59°F to 95°F)	+15°C to +35°C (59°F to 95°F)	+15°C to +35°C (59°F to 95°F)
Power consumption	74 W (typ)	85 W (typ)	100 W (typ)

(\*) Pedestal in max position

Display controllers	BarcoMed Coronis® PCI	BarcoMed Coronis® PCIe	MXRT-5200
<b>SYSTEM REQUIREMENTS</b>			
Bus compatibility	PCI 2.2 universal signaling	PCI Express® x8, x16	PCI Express® x16 native support
Power consumption	< 15 W	< 15 W	Computer power supply of 375 W or higher recommended (assumes a fully loaded system)
Form factor	106 x 176 x 16 mm (4.2" x 6.9" x 0.6")	106 x 176 x 16 mm (4.2" x 6.9" x 0.6")	98,4 x 228,6 x 15,9 mm (3.87" x 9.0" x 0.63")
Operating system	Windows® 2000, XP, X64, Vista XPDM	Windows® 2000, XP, X64, Vista XPDM	Windows XP 32/64-bit, Server 2003, 2008, Vista XPDM, WDDM
Platforms	Intel® architectures	Intel® architectures	Intel® and AMD™ architectures
<b>CHARACTERISTICS</b>			
Graphics accelerator	Barco Aura	Barco Aura	ATI FireGL™
Display memory	128 MB	128 MB	512 MB GDDR4
Look-Up Table	10 bits in/ 10 bits out	10 bits in/ 10 bits out	24 bits in / 24 bits out
Pixel depth	10 bit	10 bit	24 bit / 30 bit (HDR mode)
Electrical standard	Single Link DVI complying to v1.0 specification	Single Link DVI complying to v1.0 specification	Dual Link DVI complying to v1.0 specification
Direct 3D HW support	na	na	Microsoft DirectX v10.0/v9.0, Vertex Shader v4.0/v3.0, Pixel Shader v4.0/v3.0
OpenGL® HW support	na	na	OpenGL® 2.1
<b>VIDEO OUTPUT</b>			
Connectors	Two DVI-D connectors	Two DVI-D connectors	Two DVI-I connectors
Supported resolutions	Up to 2560x2048 VGA at boot-up	Up to 2560x2048 VGA at boot-up	Up to 3280x2048 VGA at boot-up
<b>APPROVALS</b>			
Approvals and compliance	FCC-B, CE, EN55022 A, EN 50082-1	FCC-B, CE, EN55022 B, EN 61000-6, IEC 60601-102	FCC part 15 Class B, CE, UL-60950-1, BMSI CNS, CISPR-22/24, VCCI, CSA C22.2, EU RoHS, MIC
<b>ENVIRONMENTAL</b>			
Operational temperature	10° to 60°C (50° to 140°F)	10° to 60°C (50° to 140°F)	0° to 55°C (32° to 131°F)

## Request more information

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