

# 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	1,600 x 1,200 / 1,200 x 1,600	2,048 x 1,536 / 1,536 x 2,048	1,600 x 1,200 / 1,200 x 1,600
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

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Display controllers Coronis grayscale	BarcoMed Coronis® PCI	BarcoMed Coronis® PCIe
Bus compatibility	PCI 2.2 universal signaling	PCI Express® x8, x16
Power consumption	< 15 W	< 15 W
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")
Operating system	Windows® 2000, XP, X64, Vista XPDM	Windows® 2000, XP, X64, Vista XPDM
Platforms	Intel® architectures	Intel® architectures
Graphics accelerator	Barco Aura	Barco Aura
Display memory	128 MB	128 MB
Look-Up Table	10 bits in/ 10 bits out	10 bits in/ 10 bits out
Pixel depth	10 bit	10 bit
Electrical standard	Single Link DVI complying to v1.0 specification	Single Link DVI complying to v1.0 specification
Direct 3D HW support	na	na
OpenGL HW support	na	na
Connectors	Two DVI-D connectors	Two DVI-D connectors
Supported resolutions	Up to 2,560 x 2,048 VGA at boot-up	Up to 2,560 x 2,048 VGA at boot-up
Approvals and compliance	FCC-B, CE, EN55022 A, EN 50082-1	FCC-B, CE, EN55022 B, EN 61000-6, IEC 60601-102
Operational temperature	10° to 60°C (50° to 140°F)	10° to 60°C (50° to 140°F)

Display controllers Coronis color	MXRT-2400	MXRT-5400	MXRT-5450	MXRT-7400
Bus compatibility	PCIe Gen2 x16		PCIe Gen2 x16	PCIe Gen2 x16
Power consumption	43 W		72 W	138 W
Form factor	228,6 x 98,4 mm (9.0" x 3.87")		230.5 x 98.3 mm (9.07" x 3.87") single PCIe slot wide	281.3 x 98.5 mm (11.07" x 3.88") single PCIe slot wide
Operating system			Windows 7 - 32/64-bit	
Platforms			Intel® and AMD architectures	
Graphics accelerator			ATI FirePro	
Display memory	512 MB DDR3		1 GB GDDR5	2 GB GDDR5
Pixel depth			32-bit pixels (supports 8-bit and 10-bit per color channel)	
Electrical standard			Dual Link DVI complying to v1.0 Display Port (DP) complying to v1.1a	
Direct 3D HW support			Microsoft® DirectX v11.0, Vertex Shader 5.0, Pixel Shader 5.0	
OpenGL HW support			OpenGL 4.0	
Video outputs	1x DVI-I, 1x DisplayPort (DP)	1x DVI-I, 2x DisplayPort (DP)	2x DVI-I	1x DVI-I, 2x DisplayPort (DP)
Supported resolutions			Up to 2,096 x 2,800; VGA at boot-up	
Approvals and compliance			FCC Part 15 Class B, CE EN 55022 Limit B, EN 55024, UL-60950-1, BMSI CNS, CISPR- 22/24, IEC609050-1, VCCI, CSA C22.2, EU RoHS directive (2002/95/EC), Certificate of Information & Communication Equipment (Republic of Korea)	
Operational temperature			0° to 60°C (32° to 140° F)	