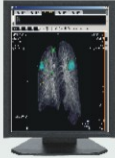


Optik View
Medical Display

Model Name	MDC1900-1LR	MDM1900-1NR	MDC2130-2SC	MDF2130-2HCF
Picture				
LCD Type	IPS / RGB	IPS / 256 grayscale	SPVA / RGB	IPS / RGB
Native Resolution	1280*1024/1024*1280	1280*1024/1024*1280	1600*1200/1200*1600	1600*1200/1200*1600
Pixel Pitch	0.294(H)*0.294(V)mm	0.294(H)*0.294(V)mm	0.270(H)*0.270(V)mm	0.270(H)*0.270(V)mm
Active Screen Area	376.3(H)*301.1(V)mm	376.3(H)*301.1(V)mm	432(H)*324(V)mm	432(H)*324(V)mm
Visual Characteristics				
Contrast	600:1	800:1	900:1	550:1
Luminance(Typical)	280cd/m²	500 cd/m² calibrated, 1000 cd/m² max	300cd/m²	300 cd/m² Calibration; 450 cd/m² max
Viewing Angle(H/V)	88/88(H) 88/88(V)	85/85(H) 85/85(V)	89/89(H) 89/89(V)	85/85(H) 85/85(V)
Grayscale Depth Support		8-bit/10-bit LUT		
Backlight Lamp Life	50K hours	50K hours	50K hours	50K hours
Connectivity				
Plug & Play	Support VESA DDC2B and DDC/CI; PC2001 compliant	Support VESA DDC2B and DDC/CI; PC2001 compliant	Support VESA DDC2B and DDC/CI; PC2001 compliant	Support VESA DDC2B and DDC/CI; PC2001 compliant
Input Signal	DVI-I, D-sub	DVI-I, D-sub	DVI-I, D-sub	DVI-I, D-sub
Sync Input	Separate sync(HSYNC/VSYNC);composite sync, Sync on Green(activated through on-screen display)	Separate sync(HSYNC/VSYNC);composite sync, Sync on Green(activated through on-screen display)	Separate sync(HSYNC/VSYNC);composite sync, Sync on Green(activated through on-screen display)	Separate sync(HSYNC/VSYNC);composite sync, Sync on Green(activated through on-screen display)
USB 2.0	N/A	USB hub with 1up and 2 downstream Port.	USB hub with 1up and 2 downstream Port.	USB hub with 1up and 2 downstream Port.
ALS(Auto Luminance Stabilizer)	No	Yes	No	No
Power				
Power Supply	Auto-ranging, 90 to 265 VAC; internal power supply	Auto-ranging, 90 to 265 VAC; internal power supply	Auto-ranging, 90 to 265 VAC; internal power supply	Auto-ranging, 90 to 265 VAC; internal power supply
Input Power	100~240 VAC	100~240 VAC	100~240 VAC	100~240 VAC
	50~60Hz	50~60Hz	50~60Hz	50~60Hz
Environmental				
Operating Temperature	0℃ to +35℃(32℉ to 95℉)	0℃ to +35℃(32℉ to 95℉)	0℃ to +35℃(32℉ to 95℉)	0℃ to +35℃(32℉ to 95℉)
Mount	VESA 100 mm	VESA 100 mm	VESA 100 mm	VESA 100 mm
Features				
Gamma Preset	Gamma 1.8, 2.0, 2.2 ; DICOM Calibration	Gamma 1.8, 2.0, 2.2 ; DICOM part 14	Gamma 1.8, 2.0, 2.2 ; DICOM part 14	Gamma 1.8, 2.0, 2.2 ; DICOM part 14
Color Preset	6500K; 7500K; 8200K; 9300K		6500K ; 7500K ; 8200K ; 9300K	6500K ; 7500K ; 8200K ; 9300K
Option	With Touch	With Touch	With Touch	With Touch
Accessories				
Graphic Card		 Matrox MED Series	 Matrox MED Series	 Matrox MED Series
Graphic Card		 Realvision SMD	 Realvision SMD	 Realvision SMD
PhotoSensor				

MDM2130-2NC	MDF2080-3CCF	MDM2130-3NCF	MDM2010-5NC
			
IPS / 256 grayscale	IPS / RGB	IPS / 256 grayscale	IPS / 256 grayscale
1600*1200/1200*1600	2048*1536/1536*2048	2048*1536/1536*2048	2560*2048/2048*2560
0.270(H)*0.270(V)mm	0.207(H)*0.207(V)mm	0.2115(H)*0.2115(V)mm	0.156(H)*0.156(V)mm
432(H)*324(V)mm	423.9(H)*318(V)mm	433(H)*324(V)mm	399(H)*319(V)mm
700:1	600:1	700:1	400:1
500 cd/m² calibrated,1000 cd/m² max	400 cd/m² calibrated,550 cd/m² max	500 cd/m² calibrated,800 cd/m² max	400 cd/m² Calibration; 850 cd/m² max
85/85(H) 85/85(V)	85/85(H) 85/85(V)	85/85(H) 85/85(V)	85/85(H) 85/85(V)
8-bit/10-bit LUT		8-bit / 10-bit / 11.5-bit LUT	8-bit / 10-bit / 11.5-bit LUT
50K hours	50K hours	50K hours	50K hours
Support VESA DDC2B and DDC/CI; PC2001 compliant	Support VESA DDC2B and DDC/CI; PC2001 compliant	Support VESA DDC2B and DDC/CI; PC2001 compliant	Support VESA DDC2B and DDC/CI; PC2001 compliant
DVI-I, D-sub	DVI-I(Dual Link)	DVI-I	DVI-I
Separate sync(HSYNC/VSYNC);composite sync, Sync on Green(activated through on-screen display) USB hub with 1up and 2 downstream Port.	Separate sync(HSYNC/VSYNC);composite sync, Sync on Green(activated through on-screen display) USB hub with 1up and 2 downstream Port.	Separate sync(HSYNC/VSYNC);composite sync, Sync on Green(activated through on-screen display) USB hub with 1up and 2 downstream Port.	Separate sync(HSYNC/VSYNC);composite sync, Sync on Green(activated through on-screen display) USB hub with 1up and 2 downstream Port.
Yes	Yes	Yes	Yes
Auto-ranging,90 to 265 VAC; internal power supply	Auto-ranging,90 to 265 VAC; internal power supply	Auto-ranging,90 to 265 VAC; internal power supply	Auto-ranging,90 to 265 VAC; internal power supply
100~240 VAC	100~240 VAC	100~240 VAC	100~240 VAC
50~60Hz	50~60Hz	50~60Hz	50~60Hz
0°C to +35°C(32°F to 95°F)	0°C to +35°C(32°F to 95°F)	0°C to +35°C(32°F to 95°F)	0°C to +35°C(32°F to 95°F)
VESA 100 mm	VESA 100 mm	VESA 100 mm	VESA 100 mm
Gamma 1.8,2.0,2.2 ; DICOM part 14	Gamma 1.8,2.0,2.2 ; DICOM part 14 6500K ; 7500K ; 8200K ; 9300K	Gamma 1.8,2.0,2.2 ; DICOM part 14	Gamma 1.8,2.0,2.2 ; DICOM part 14
With Touch			
 Matrox MED Series	 nVidia FX 4500	 Matrox MED Series	 Matrox MED Series
 Realvision SMD	 ATI FireGL 7350 Realvision	 Realvision SMD	 Realvision SMD
			

Model Name	FULL HD 42" Medical Color High Brightness / MDC4200-2CC		FULL HD 47" Medical Color High Brightness / MDC4700-2CC	8MP 56" Medical Color High Brightness
Picture				
LCD Type	MVA / RGB subpixel per pixel, color		TFT LCD MVA,RGB subpixel per pixel, color	MVA / RGB subpixel per pixel
Native Resolution	1920*1080		1920*1080/1080*1920	3840*2160
Pixel Pitch	0.4845x0.4845mm		0.543x0.543mm	0.108x0.324mm
Active Screen Diagonal	42"		47"	56"
Active Screen Area	930x523 mm		1024x568 mm	1244x699 mm
Visual Characteristics				
Darek Room Contrast	1000:1		1000:1	1200:1
Luminance(Typical)	300 cd/m² ; 500 cd/m² (max)		550 cd/m² (Typ.)	450 cd/m² (Typ.)
Viewing Angle(H/V)	88/88(H) 88/88(V)		88/88(H) 88/88(V)	88/88(H) 88/88(V)
Response Time	8ms (G-G)		8ms (G-G)	6.5ms (G-G)
Connectivity				
Digital Video Input	DVI-A/DVI-D(complying to VESA)		DVI-A/DVI-D(complying to VESA)	DVI(Dual-Dual Link)
Analog/Video Input(Optional)	VGA D-sub 15pin, S-vedio AV / YPbPr		VGA D-sub 15pin, S-vedio AV(option)	No
Display Control and Communication	DDC(complying to DDC2 Ci standard), EDID		DDC(complying to DDC2 Ci standard), EDID	
USB 2.0(Optional)	USB hub with 1up and 2 downstream Port.		USB hub with 1up and 2 downstream Port.	
Supported Resolution	Up to 1920*1080		Up to 1920*1080	Up to 3840*2160
Display Control	Display on/off,backlight adjustment,OSD		Display on/off,backlight adjustment,OSD	Display on/off,backlight adjustment,OSD
ALS(Auto Luminance Stabilizer)	Yse		Yse	Yse
HD Video	SD-SDI			
Power Requirements				
Input	90 to 264 VAC,45 to 65Hz,300W(MAX)		90 to 264 VAC,45 to 65Hz,350W(MAX)	90 to 264 VAC,45 to 65Hz,500W(MAX)
Power Save	Supports DPMS<5W		Supports DPMS<5W	Supports DPMS<5W
Environmental				
Operating Temperature	0℃ to +35℃(32℉ to 95℉)		0℃ to +35℃(32℉ to 95℉)	0℃ to +35℃(32℉ to 95℉)
Approval				
Safety	UL60950;EN60950;EN60601		UL60950;EN60950	UL60950;EN60950
EMC	CE;FCC		CE;FCC	CE;FCC
Physical Characteristics				
Dimensions(Including Tilt Stand)				
Weight				
Mount	VESA 100 mm x2		VESA 100 mm x2	VESA 100 mm x4
Features				
Gamma Preset	Gamma 1.8,2.0,2.2 ; DICOM Curve		Gamma 1.8,2.0,2.2 ; DICOM Curve	
Color Preset	6500 k ; 7500K ; 8200K ; 9300K		6500 k ; 7500K ; 8200K ; 9300K	
Controls(OSD)	Yes		Yes	Remote Control
Accessories				
Video Cables	DVI-D;VGA		DVI-D;VGA	Dual- Dual DVI
Graphics card	N/A		N/A	
Calibration Kit	N/A		N/A	N/A