

# LCD-TFT Monitors for Desktop & Point of Sale (POS) Applications



The Desktop LCD-TFT monitors series are streamlined designed and user friendly. The housing is available in black (standard version) and white (MOQ). Features of this series are the dark-tinted flat screen, an universal power supply and the extremely fine definition. The monitors are fully complied with the EMI & safety standard and the optimal solutions for banking systems and POS applications. The monitors can also be used for cash dispenser ATM, book-size IBM-PC, Industrial Numeric Control Machine, Sub-Note Book and Limited User Space.



Type	5,6" CCTV LCD Monitor	8,4" LCD-TFT POS Monitor	10,4" LCD-TFT POS Monitor	12,1" LCD-TFT POS Monitor	15" LCD-TFT POS Monitor	15" LCD-TFT Monitor
<b>Features</b>						
<b>Viewing Area</b>	5,6"	8,4"	10,4"	12,1"	15"	15" TFT Active Matrix Panel
<b>Touch Panel</b>	no	no / resistive RS2323 or USB	no / resistive RS-232 or USB	no/ resistive RS-232	resistive (5 wires)	no / resistive
<b>Pixel Pitch (mm)</b>						0,297 x 0,297
<b>Resolution</b>	320 x 234 (4:3)	800 x 600 SVGA	800 x 600 SVGA	800 x 600 SVGA	1.024 x 768 XGA	1.024 x 768
<b>Effective Display Area (mm)</b>						304,0 x 228,0
<b>Color</b>		262k	262k	262k	16.7M	16.7M
<b>Response Time(tr/ft)</b>	35mc (Tr/Tf)	10/25ms (Tr/Tf)				16ms
<b>Contrast Ratio</b>	150	500:1	400:1	200:1	500:1	400:1
<b>Brightness</b>	300 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	250 cd/m <sup>2</sup> / 200cd/m <sup>2</sup> (with Touch)	300cd/m <sup>2</sup> / 230cd/m <sup>2</sup> (with Touch)	250cd/m <sup>2</sup> / 195cd/m <sup>2</sup> (with Touch)	250 cd/m <sup>2</sup>
<b>Dimmable</b>	no	no	no	no	no	
<b>Viewing Angle</b>		H: 120° ; V: 100°	H: 130° ; V: 100°	H: 120° V: 95°	H: 140° V: 125°	H: +60° ~ -60° V: +60° ~ -40°
<b>Backlight</b>						
<b>Lamp Life</b>						
<b>Input Signal</b>	Video Composite	VGA RGB Analog	VGA RGB Analog	VGA RGB Analog	VGA RGB Analog	
<b>Input Connector</b>			15pol. D-Sub	15pol. D-Sub	15pol. D-Sub	
<b>Scan Frequency</b>		H: 31,5 ~ 48,KHz V: 56 ~ 75Hz	H: 31,5 ~ 48,1KHz V: 56 ~ 75Hz (800x600 56/60Hz only)	H: 31,5 ~ 48KHz V: 56 ~ 75Hz	H: 31,5 ~ 60KHz V: 56 ~ 75Hz	31 ~ 60KHz / 56 ~ 75Hz
<b>Control</b>	Power on/off, LED indicator, Source, UP (Volume increase), Down (Volume Decrease)	On/Off with LED Indicator	OSD	OSD Control with "i-touch" auto scaling	OSD Control with "i-touch" auto scaling	
<b>Power Supply</b>	AC Input: 100 ~ 240V / 1.5A, 60/60Hz	Universal AC 100 ~ 240V, 50/60Hz	AC 100~240V, 50/60Hz	Universal 100~240 V, 50/60 Hz	AC 100~240V, 50/60Hz	AC 100 ~ 240 V, 50 ~ 60 Hz
<b>Power Management</b>		VESA DPMS Standard	VESA DPMS Standard	VESA DPMS Standard	VESA DPMS Standard	
<b>Power Supply Cable</b>						AC/DC Adapter, Power Cord
<b>Consumption</b>	DC 12V/20W	12V / 15W	18W / 3W	18W / 3W	27W / 3W	30W (max.)
<b>Operating Temperature</b>	0°C~40°C	0°C~40°C	0°C~40°C	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C
<b>Storage Temperature</b>	-10°C~60°C					
<b>Sync Signal</b>						
<b>Scanning</b>						
<b>Dimension (mm)</b>	180 x 120 x 34mm (WxHxD)					405,0 x 330,0 x 145,0
<b>Net Weight(Kg)</b>	t.b.d.	1,1Kg				2,5Kg / 3,8Kg
<b>Color Case</b>		black or white	black or white	black or white	black or white	plastic silver (standard) aluminium and black (optional)
<b>Safety &amp; EMI</b>		FCC, UL, CE (CB), CCC, BSMI	FCC, UL, CE, TÜV/ GS	FCCB, ETL, ETL, CE, TÜV/GS	FCCB, ETL, ETL, CE, TÜV, CCC, BSMI	FCC, CE-B
<b>Vibration</b>						
<b>Pixel (MHz)</b>						
<b>Options</b>		Strengthen Glass TouchScreen resistive 5 wires (RS232 or USB) Stand Base	Strengthen Glass TouchScreen	Strengthen Glass TouchScreen (USB) Card Reader	Strengthen Glass TouchScreen Card Reader	
<b>Ordering Number</b>	DMXX2060	DMXX2025/2026/2027/2028	DMXX2035/2032/2033/2034	DMXX2039/ 2041/ 2048	DMXX2005/2049/2050	DMXX3514/ 3515

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Type	15" LCD-TFT Video Monitor Professional CCTV	15" LCD-TFT Video Monitor Professional CCTV	17" LCD-TFT Monitor Active Matrix	17" LCD-TFT Monitor Color Active	17" LCD-TFT Video Monitor Professional CCTV	17" LCD-TFT Monitor Professional CCTV	19" UB LCD-TFT Monitor
<b>Features</b>	15" TFT Active Matrix Panel	15" TFT Active Matrix Panel	17" TFT Active Matrix Panel	17"	17"	17"	19"
<b>Viewing Area</b>	15" TFT Active Matrix Panel	15" TFT Active Matrix Panel	17" TFT Active Matrix Panel	17"	17"	17"	19"
<b>Touch Panel</b>	no	no	no / resistive	no	no	no	no / resistive
<b>Pixel Pitch (mm)</b>	0,297 x 0,297	0,297 x 0,297	0,264 x 0,264	0,264 x 0,264	0,264 x 0,264	0,264 x 0,264	0,294 x 0,294
<b>Resolution</b>	1.024 x 768	1.024 x 768	1.280 x 1024	1280 x 1024	1.280 x 1.024	1.280 x 1.024	1.280 x 1.024
<b>Effective Display Area (mm)</b>			337,0 x 270,0	338,0 x 270,0		337,9 x 270,3	376,3 x 301,1
<b>Color</b>	262K	262K	16,7M	16,7M	16,2M	16,2M	16,7M
<b>Response Time(tr/ft)</b>	4/12ms	4/12ms	16ms	16ms (Typ.)	6/2ms	6/2ms	25ms
<b>Contrast Ratio</b>	400:1	400:1	400:1	500:1	500:1	500:1	700:1
<b>Brightness</b>	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	260 cd/m <sup>2</sup>	800 cd/m <sup>2</sup>	420cd/m <sup>2</sup>	420cd/m <sup>2</sup>	250 cd/m <sup>2</sup>
<b>Dimmable</b>						no	
<b>Viewing Angle</b>	H: +60° ~ -60° V: +40° ~ -60°	H: +30° ~ -80° V: +56° ~ -75°	H: +70° ~ -70° V: +70° ~ -70°	H: +80° ~ -80° V: +75° ~ -75°	H:140° V: 130°	H:140° V: 130°	H: +85° ~ -85° V: +85° ~ -85°
<b>Backlight</b>							
<b>Lamp Life</b>	50,000 hours	50,000 hours		30,000 hours	50,000 hours	50,000 hours	50,000 hours
<b>Input Signal</b>	Video & S-Video & VGA	Video & S-Video & VGA	VGA RGB Analog	VGA RGB Analog	Video & S-Video & Analog VGA	Video & S-Video & Analog VGA	Analog RGB 15-pin D-sub
<b>Input Connector</b>	15pol. D-Sub, BNC, Mini DIN DVI (optional)	15pol. D-Sub, BNC, Mini DIN DVI (optional)	15pol. D-Sub	15pol. D-Sub, BNC, Mini DIN DVI-D	15pol. D-Sub, BNC, Mini DIN DVI (optional)	15pol. D-Sub, BNC, Mini DIN DVI (optional)	
<b>Scan Frequency</b>	De-Interlace H: 500TVL / 31,5 ~ 80KHz V: 56 ~ 75Hz	500 TVL	31 ~ 80KHz / 56~75Hz		H: 500TVL / 31,5 ~ 80 KHz V: 56 ~ 75 KHz	H: 30 K ~ 80 KHz V: 50 ~ 75 KHz	
<b>Control</b>	OSD control	OSD control		OSD	OSD	OSD	
<b>Power Supply</b>	Universal 100~240 V, 50/60 Hz, DC 12V	Universal 100~240 V, 50/60 Hz, DC 12V	AC 100 ~ 240 V, 50 ~ 60 Hz	AC 100 ~ 240 V 50 ~ 60 Hz	Universal 100~240 V, 50/60 Hz, DC 12V	Universal 100~240 V, 50/60 Hz, DC 12V	AC 100-240V / 50,60Hz, DC 12V
<b>Power Management</b>	VESA DPMS Standard	VESA DPMS Standard			VESA DPMS Standard	VESA DPMS Standard	
<b>Power Supply Cable</b>			AC/DC Adapter, Power Cord	AC/DC Adapter, Power Cord			
<b>Consumption</b>	30W	40W	36W (Max.)	60W	40W	50W	40W
<b>Operating Temperature</b>	0°C ~ 40°C	0°C ~ 40°C	0°C ~ 40°C		0°C~40°C	0°C~40°C	
<b>Storage Temperature</b>	-20°C ~ 60°C				-20°C~60°C		
<b>Sync Signal</b>			LVDS				
<b>Scanning</b>	De-Interlace	De-Interlace, 4 Scanning Types, Picture-in-Picture (PIP)			De-Interlace	De-Interlace, 4 Scanning Types, Picture-in-Picture (PIP)	
<b>Dimension (mm)</b>	364,0 x 316,0 x 170,0	353,0 x 338,0 x 170,0	455,0 x 400,0 x 155,0	414,0 x 346,0 x 58,0	386,0 x 388,0 x 170,0	400,0 x 400,0 x 181,0	485,0 x 435,0 x 173,0
<b>Net Weight(Kg)</b>	4,0Kg / 6,0Kg	4,0Kg / 5,4Kg	4,1Kg / 5,5Kg	7,5Kg	5,2Kg/ 7,2Kg	5,0Kg/ 7,2Kg	4,9Kg
<b>Color Case</b>	plastics	aluminium	plastic silver (standard) aluminium and black (optional)	silver	plastics	aluminium	plastic (standard), aluminium (optional)
<b>Safety &amp; EMI</b>		FCC, CE (EMC/LVD), UL, CUL, BSMI	FCC, CE-B	FCC, CE-B, VCC-I, UI, TUV/GS		FCC, CE (EMC/LVD), UL, CUL, BSMI	CE
<b>Vibration</b>							
<b>Pixel (MHz)</b>							
<b>Options</b>	Strengthen Glass	Strengthen Glass Rack Mounting Bracket Signal connectors DVI In, YCbCr In, DVI + YCbCr In		2W x 2	Strengthen Glass Rack Mounting Bracket Signal connector DVI In	Strengthen Glass Rack Mounting Bracket Signal connectors DVI In, YCbCr In, DVI + YCbCr In	VGA input
<b>Ordering Number</b>	DMXX5112	DMXX5120	DMXX3525 / 3526	DMXX3529	DMXX5113	DMXX5131	DMXX3540/ 3541

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Type	19" LCD-TFT Video Monitor Professional CCTV	19" LCD-TFT Video Monitor Professional CCTV	20,1" LCD-TFT Video Monitor	20,1" Video Capture Monitor Multimedia Advertising & Surveillance System
<b>Features</b>				
<b>Viewing Area</b>	19"	19"	20,1"	20,1"
<b>Touch Panel</b>	no	no	no	no
<b>Pixel Pitch (mm)</b>	0,294 x 0,294	0,294 x 0,294	0,51 x 0,51	
<b>Resolution</b>	1.280 x 1.024	1.280 x 1.024	500TVL / 800 x 600	800 x 600
<b>Effective Display Area (mm)</b>		376,3 x 301,1	408,0 x 306,0	408,0 x 306,0
<b>Color</b>	16,2M	16,2M	16,7M	
<b>Response Time(tr/TF)</b>	5,6 / 2,4ms	5,6 / 2,4ms	11 / 5ms	6 / 16ms
<b>Contrast Ratio</b>	550:1	550:1	500:1	500:1
<b>Brightness</b>	400 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>	480 cd/m <sup>2</sup>
<b>Dimmable</b>				
<b>Viewing Angle</b>	H:140° V: 135°	H:140° V: 135°	H:160° V: 120°	H:160° V: 160°
<b>Backlight</b>				
<b>Lamp Life</b>	50.000 hours	50.000 hours	50.000 hours	
<b>Input Signal</b>	Video & S-Video & Analog VGA	Video & S-Video & Analog VGA	Video & S-Video & Analog VGA	
<b>Input Connector</b>	15pol. D-Sub, BNC, Mini DIN DVI (optional)	15pol. D-Sub, BNC, Mini DIN DVI (optional)	15pol. D-Sub, BNC, Mini DIN DVI (optional)	
<b>Scan Frequency</b>	H: 500TVL / 31,5 ~ 80KHz V: 56 ~ 75 KHz	H: 30 K ~ 80 KHz V: 56 ~ 75 KHz	H: 30,5 K ~ 48 KHz V: 56 ~ 75 KHz	
<b>Control</b>	OSD	OSD	OSD	OSD
<b>Power Supply</b>	Universal 100~240 V, 50/60 Hz, DC 12V	Universal 100~240 V, 50/60 Hz, DC 12V	Universal 100~240 V, 50/60 Hz, DC 12V	Universal 100~240 V, 50/60 Hz, DC 12V
<b>Power Management</b>	VESA DPMS Standard	VESA DPMS Standard		
<b>Power Supply Cable</b>				
<b>Consumption</b>	50W	50W	60W	60W / 20W
<b>Operating Temperature</b>	0°C~40°C	0°C~40°C	0°C~40°C	
<b>Storage Temperature</b>	-20°C~60°C			
<b>Sync Signal</b>				
<b>Scanning</b>	De-Interlace	De-Interlace, 4 Scanning Types, Picture-in-Picture (PIP)	De-Interlace, 4 Scanning Types, Picture-in-Picture (PIP)	
<b>Dimension (mm)</b>	420,0 x 405,0 x 170,0	420,0 x 405,0 x 170,0	505,2 x 475,0 x 182,1	506,0 x 499,0 x 107,0
<b>Net Weight(Kg)</b>	6,41Kg / 8,4Kg	6,3Kg / 9Kg	10,1Kg / 12,5Kg	11Kg
<b>Color Case</b>	plastics	aluminium	aluminium	
<b>Safety &amp; EMI</b>		FCC, CE (EMC/LVD), UL, CUL, BSMI	FCC, CE (EMC/LVD), UL, CUL, BSMI	
<b>Vibration</b>				
<b>Pixel (MHz)</b>				
<b>Options</b>	Strengthen Glass Rack Mounting Bracket Signal connector DVI In	Strengthen Glass Rack Mounting Bracket Signal connectors DVI In, YCbCr In, DVI + YCbCr In	Strengthen Glass Signal connectors DVI In, YCbCr In, DVI + YCbCr In	
<b>Ordering Number</b>	DMXX5114	DMXX5140	DMXX5150	DMXX5160