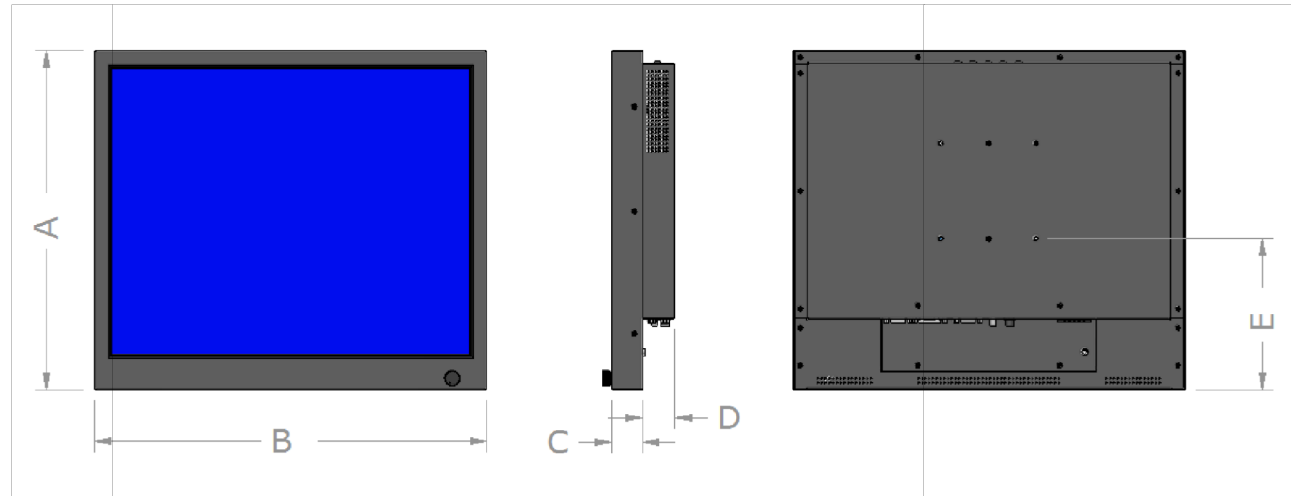


Desktop Models



Model	A (DE)	B	C (D, DE)	D	E	VESA
DM150	285.1	343.1	32	34	122.3	100
DM156	252.8	383.8	32	34	107.3	100
DM190	357.5	412.6	32	34	159.6	100
DM230	343.6	549.8	32	34	151.8	100 MIS-E
DM240	362.8	578.6	32	34	161.6	100 MIS-E
DM241	384.2	567.0	32	34	173.3	100 MIS-E
DM420	X	977.2	5	61	207.5	600x200 M6

General Specifications

Technical data	Parameter	Desktop Display Model
Display	TFT	a-Si TFT Active Matrix
	Image position	Image Flip / Mirror
	Multi language support for OSD	English / Francaise / Deutsch / Italiano / Español / Nederlands / 日本語
Enhancements	High bright*	From 800 up to 1500 Cd/m2
	Sunlight readability*	Translective technology
	Optical bonding*	Air gap between glass and LCD filled with crystal clear adhesive to avoid moisture and dust. Due to less reflections sig
Mechanical	Chassis	Aluminum
	Housing	Steel, black powder coated (RAL 9005)
	Front	3mm anti reflective glass (not hardened)
	IP-Rating (Front only)	
Power	Power saving mode	Compatible with VESA DPMS power saving modes VESA timing
	Power input desktop PSU	90-230VAC (50W)
	DC Input Voltage	12VDC through DC plug
	Internal DC/DC converter*	9-36VDC though screw terminal block
Video inputs	Analog RGB	D-Sub HD15
	DVI	DVI-D connector
	HDMI	Standard
	CVBS	Cinch with optional BNC adapter
Dimming	Integrated dimming*	Potentiometer or encoder (max 64 positions)
	External dimming*	Potentiometer, encoder (max 64 positions) or +/- keys
	Central dimming*	External potentiometer or 0~5VDC
	Auto-dimming*	External light sensor
Touch screen	Connections	USB (B-type) / RS-232 (9p D-Sub)
	Touch screen type*	Resistive / Projected capacitive
Aux connections	OSD, audio, LAN options*	26 pin connector (RS-232 OSD control, LAN, audio and options)
Controls	On Screen Display (OSD)	Rubber buttons at rear side of monitor OSD through encoder (engineering function, Extended models only)
	Source select*	Projected capacitive touch sensor at front (Extended models only)
	Standby mode*	Encoder with ON/OFF switch function (Extended models only)

* Optional.

Model related specifications

Parameter	DM150	DM154	DM156	DM190	DM230	DM240	DM241	DM320	DM420
Active area (mm)	304x228	331x207	344.2x193.5	376.3x301.1	509.2x286.4	531.4x298.9	518.4x324.0	698.4x392.8	930x523
Aspect ratio	4:3	16:10 (8:5)	16:9	5:4	16:9	16:9	16:10	16:9	16:9
Resolution (pixels)	1024x 768	1280x 800	1920x 1080	1280x 1024	1920x 1080	1920x1080	1920x 1200	1920x1080	1920x 1080
Vector Video	XGA	WXGA	WXGA	SXGA	HD 1080	HD 1080	WUXGA	HD 1080	HD 1080
Pixel pitch (mm)	0.297	0.259	0.179	0.294	0.265	0.277	0.270	0.363	0.484
Viewing angle LR/UD *4	160/140	160/140	170/170	178/178	178/178	178/178	178/178	178/178	178/178
Max colors	16.2M	16.2M	16.7M	16.7M	16.7M	16.7M	16.7M	16.7M	1073
Contrast ratio	700	760	1500	1500	1000	3000	1000	3000	4000
Native Brightness	400	400	400	330	300	300	300	350	500
Max. power (W) *3	15	20	20	24	tbd	tbd	40	tbd	95
Enhanced	800	1000	-	800	-	-	1000	-	-
Max. power (W) *3	30	35	-	50	-	-	85	-	-
Ultra high brightness	1500	1500	1200	1500	-	-	-	-	-
Max. power (W) *3	18 / 45	21 / 32	23 / 57	21 / 60	31 / NA	32 / 45	32 / 58	-	120
Storage temperature	-30/85	-30/80	-20/80	-20/65	-20/65	-20/60	-20/65	-20/60	-20/65
Operating Temp. limits*2	-30/85	-20/70	-20/75	-10/65	0/50	0/50	0/50	0/50	0/50
Weight *1	/	4.82/4.4	/	/	7.84	/	/	tbd	30.7

*1 NxxxK(GE)/NxxxD(E)

*2 Measure at display surface. If a sunlight readable configuration has been selected, make sure the temperature is regulated by cooling from the back side to meet temperature specifications.

*3 Maximum power without options. Standard/high bright. Note that internal 9-34V will increase the power consumption by 11%

*4 Viewing angle is a theoretical value measured with standard colors and contrast.

In real life the monitor should be installed with angle: $120 < \alpha < 90$.

