

# TFT LCD Matrix - CMO Medical Displays

Model Name	R181E1	R181E2	R181E3	R190E1	R190E3	R208R1	R208R2	R208R3	R208R5	R213T1	R213T3
Panel Size	18.1"	18.1"	18.1"	19"	19"	20.8"	20.8"	20.8"	20.8"	21.3"	21.3"
Technology	IPS	IPS	IPS	LCS-MVA	LCS-MVA	dual domain IPS	IPS	IPS	IPS	IPS	IPS
Resolution	1280x1024	1280x1024	1280x1024	1280 x 1024	1280 x 1024	2048x1536	2048x1536	2048x1536	2048x1536	2560x2048	2560x2048
Pixel Pitch(mm)	0.281	0.281	0.281	0.294	0.294	0.207	0.207	0.207	0.207	0.165	0.165
Active Area(mm)	359x287.2	359x287.2	359x287.2	367.3x301.1	367.3x301.1	423.9x318	423.9x318	423.9x318	423.9x318	422.4x337.92	422.4x337.92
Outline(mm)	389x317.2x35	389x317.2x35	389x317.2x35	404.2x330x37.15	404.2 x 330 x27	457x350x45	457x350x45	457x350x45	457x350x45	459.8x375.3x48.5	459.8x375.3x48.5
Luminance(nits)	700	270	700	600	300	1000	400	600	1500	1000	1000
View Angle (U/D/R/L)	85/85/85/85	85/85/85/85	85° in all >CR 20:1	85/85/85/85	85/85/85/85	85/85/85/85	85/85/85/85	85/85/85/85	85° in all >CR 20:1	85/85/85/85	85° in all >CR 20:1
Contrast Ratio	600 to 1	400 to 1	600 to 1	1000 to 1	1000 to 1	900 to 1	400 to 1	600 to 1	900 to 1	700 to 1	800 to 1
Support Color	Grayscale	16.7M	Grayscale	16.7M	16.7M	Grayscale	16.7M	16.7M	Grayscale	Grayscale	Grayscale
Power Consumption (w)	38.3	38.8	38.3	65.4	30.6	60	60	88	60	52.1	52.1
Response Time(ms)	40	40	40	Tr=13ms, Tf=7ms	Tr=13ms, Tf=7ms	50	50	50	50	50	40
Weight (g)	2900	2900	2900	1997	3200	2300	2300	2580	2600 max.	2970	2970
Electrical Interface	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS
Mass Production	MP	MP	2008Q4	MP	MP	MP	MP	MP	2009Q2	MP	MP
Remark	1 mega-pixel	1 mega-pixel	1 mega-pixel WV Tech.	1 mega-pixel, Hig Brightness	1 mega-pixel	3 mega-pixel	3 mega-pixel	3 mega-pixel	3 mega-pixel WV Tech.	5 mega-pixel	5 mega-pixel, WV Tech.
	SXGA B/W, 1.3M	SXGA B/W, 1.3M	SXGA B/W, 1.3M	SXGA B/W, 1.3M	SXGA B/W, 1.3M	QXGA B/W, 3.145M	QXGA Color, 3.145M	QXGA Color, 3.145M	QXGA B/W, 3.145M	QSXGA B/W, 5.24M	QSXGA B/W, 5.24M

**WVG Americas**