

Quick monitor guide

DISPLAY PANEL TYPE

TN - Affordable/Fast responds time & refresh rate

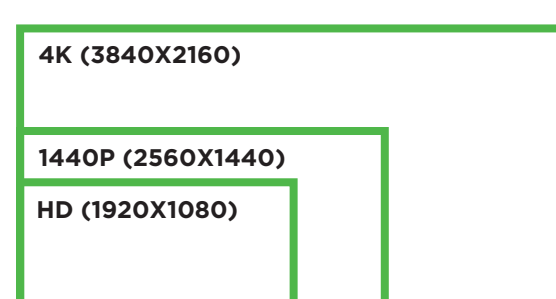
IPS - Great viewing angle/Color accurate

PLS - Samsung version of IPS

AHVA - AUO version of IPS

VA - Higher contrast/Brighter screen

RESOLUTION



REFRESH RATE

Typical: 60Hz, 75Hz, 144Hz, 240Hz

The higher the numbers, the faster it refreshes. Great for playing competitive games.

RESPONSE TIME

Typical: 1ms, 3ms, 5ms

The lower the number, the faster it shifts from one color to another.

MONITOR COMPARSION CHART

Table is sorted by screen size and then Screen Resolution				Change indicates High Refresh Rate									
Item #	Brand	Model #	Screen Size	RefreshRate	ResponseTime	Resolution	Video input	PanelType	Adjustability	Tearing prevention Technology			
21.5"	MONASUVE228R	Asus	VE228H	21.5	60Hz	5ms	1920 x 1080	1 x D-Sub 1 x DVI - D 1 x HDMI 1.3	TFT	-	-		
	MONSAMS22E2R	Samsung	S22E450B	21.5	60Hz	5ms	1920 x 1080	1 x D-Sub 1 x DVI	TN	-	-		
	MONSAMS22E4R	Samsung	S22E200B	21.5	60Hz	5ms	1920 x 1080	1 x D-Sub 1 x DVI	TN	-	-		
23"	MONSAM24F35R	Samsung	LS24F354FHNXZA	23.5	60Hz	4ms	1920 x 1080	1 x HDMI 1 x D-Sub	PLS	-	FreeSync		
	MONASUVA24DR	Asus	VA24DQ	23.8	75Hz	5ms	1920 x 1080	1 x D-Sub 1 x HDMI 1 x DisplayPort	IPS	Tilt	FreeSync		
	MONSAM24R35R	Samsung	LS24R350FHNXZA	23.8	75Hz	5ms	1920 x 1080	1 x HDMI 1.4 1 x D-Sub	IPS	Tilt	FreeSync		
24" - 25"	MONHP-Z24N2R	HP	Z24n	24	60Hz	8ms	1920 x 1200	1 x HDMI 1.4 1 x DVI-D/ 1 x mini-DP 1 x DisplayPort 1.2	IPS	Height, Pivot, Swivel, Tilt	-		
	MONSAMF24T6R	Samsung	F24T650FYN	24	75Hz	5ms	1920 x 1080	1 x DVI 1 x DisplayPort 1 x HDMI	IPS	Height, Pivot, Swivel, Tilt	FreeSync		
	MONASUG259QR	Asus	VG259Q	24.5	144Hz	1ms	1920 x 1080	2 x HDMI 2.0 1 x DisplayPort 1.2	IPS	Height	G-Sync, ELMB Sync		
	MONASU258QMR	Asus	VG258QM	24.5	280Hz	0.5ms	1920 x 1080	2 x HDMI 2.0 1 x DisplayPort 1.2	IPS	Height, Pivot, Swivel, Tilt	G-Sync, ELMB Sync		
	MONSAM24H85R	Samsung	S24H851QFN	24	60Hz	5ms	2560 x 1440	1 x HDMI 1 x USB Type-C 1 x DisplayPort	PLS	Height, Pivot, Swivel, Tilt	FreeSync		
	MONMSIOG242R	MSI	Optix G242	24	144Hz	1ms	1920 x 1080	2 x HDMI 2.0 1 x DisplayPort 1.2	IPS	Tilt	-		
	MONASUVG241R	Asus	VG245H	24	75Hz	1ms	1920 x 1080	2 x HDMI 1.4 1 x VGA	TN	Height, Pivot, Swivel, Tilt	FreeSync		
	MONASU248QGR	Asus	VG248QG	24	165Hz	1ms	1920 x 1080	1 x HDMI 1.4 1 x Display Port 1.2 1 x Dual-Link DVI	TN	Height, Tilt, Pivot	-		
	MONASU248QVR	Asus	PA248QV	24	75Hz	5ms	1920 x 1080	1 x HDMI 1.4 1 x Display Port 1.2 1 x VGA	IPS	Height, Pivot, Swivel, Tilt	-		
	MONASU258QRR	Asus	VG258QR	25	165Hz	1ms	1920 x 1080	1 x HDMI 1.4 1 x Display Port 1.2 1 x DVI-D	TN	Height, Pivot, Swivel, Tilt	-		
	MONASU259QMR	Asus	VG259QM	25	280Hz	1ms	1920 x 1080	2 x HDMI 2.0 1 x DisplayPort 1.2	IPS	Height, Pivot, Swivel, Tilt	G-Sync		
27" - 28"	MONSAMS27H6R	Samsung	S27H650FDN	27	60Hz	5ms	1920 x 1080	1 x VGA 1 x DisplayPort 1 x HDMI	PLS	Height	FreeSync		
	MONASU27EHER	Asus	VA27EHE	27	75Hz	5ms	1920 x 1080	1 x D-Sub 1 x HDMI	IPS	N/A	-		
	MONASUVG275R	Asus	VG275Q	27	75Hz	1ms	1920 x 1080	1 x D-Sub 2 x HDMI 1 x DisplayPort	TN	Height	FreeSync		
	MONSAM27T35R	Samsung	LF27T350FHNXZA	27	75Hz	5ms	1920 x 1080	1 x HDMI 1.4 1 x VGA	IPS	Tilt	FreeSync		
	MONMSIG274RR	MSI	MAG274R	27	144Hz	1ms	1920 x 1080	2 x HDMI 2.0 1 x DisplayPort 1.2 1 x Type C (DP)	IPS	Height, Pivot, Swivel, Tilt	FreeSync		
	MONMSIG272RR	MSI	MAG272CRX	27	240Hz	1ms	1920 x 1080	2 x HDMI 2.0 1 x Display Port 1.2	VA	Height, Tilt	FreeSync		
	MONASUVG27RR	Asus	VG278QR	27	165Hz	0.5ms	1920 x 1080	1 x HDMI 1.4 1 x Display Port 1.2 1 x Dual-Link DVI	TN	Height, Pivot, Swivel, Tilt	G-Sync		
	MONASUVG272R	Asus	VG279Q	27	144Hz	1ms	1920 x 1080	1 x HDMI 1.4 1 x Dual-Link DVI	IPS	Height, Pivot, Swivel, Tilt	G-Sync		
	MONASU279QMR	Asus	VG279QM	27	280Hz	1ms	1920 x 1080	2 x HDMI 2.0 1 x Display Port 1.2	IPS	Height, Pivot, Swivel, Tilt	G-Sync, ELMB Sync		
	MONASU279QLR	Asus	VG279QL1A	27	165Hz	1ms	1920 x 1080	2 x HDMI 2.0 1 x Display Port 1.2	IPS	Height, Pivot, Swivel, Tilt	G-Sync, FreeSync		
	MONASU27QLAR	Asus	VG279Q1A	27	165Hz	1ms	1920 x 1080	2 x HDMI 1.4	IPS	Swivel	FreeSync, ELMB Sync		
	MONSAMLG27GR	Samsung	LC27G55TQWNXZA	27	144Hz	1ms	2560 x 1440	1 x DisplayPort 1.2 1 x HDMI 2.0	VA	Tilt	FreeSync		
	MONASUPG27RR	Asus	PG278QR	27	165Hz	1ms	2560 x 1440	1 x HDMI 1 x DisplayPort	TN	Height	G-Sync		
	MONASUXG279R	Asus	XG279Q	27	170Hz	1ms	2560 x 1440	2 x HDMI 2.0 1 x DisplayPort 1.2	IPS	Height	G-Sync, ELMB Sync		
	MONASU27AQ1R	Asus	VG27AQ1A	27	170Hz	1ms	2560 x 1440	2 x HDMI 2.0 1 x DisplayPort 1.2	IPS	N/A	G-Sync, FreeSync, ELMB Sync		
	MONASU27AQLR	Asus	VG27AQL1A	27	170Hz	1ms	2560 x 1440	2 x HDMI 2.0 1 x DisplayPort 1.2	IPS	Height	G-Sync, FreeSync, ELMB Sync		
	MONASUG27AQR	Asus	XG27AQ	27	170Hz	1ms	2560 x 1440	2 x HDMI 2.0 1 x DisplayPort 1.2	IPS	Height, Pivot, Swivel, Tilt	G-Sync, ELMB Sync		
	MONMSIG273QR	MSI	G273QF	27	165Hz	1ms	2560 x 1440	2 x HDMI 2.0 1 x Display Port 1.2	IPS	Tilt	G-Sync, FreeSync		
	MONMSIOM274R	MSI	MAG274QRF	27	165Hz	1ms	2560 x 1440	2 x HDMI 2.0 1 x Display Port 1.2	IPS	Height, Pivot, Swivel, Tilt	G-Sync		
	MONASUPA278R	Asus	PA278QV	27	75Hz	5ms	2560 x 1440	1 x HDMI 1.4 1 x mini-DP 1.2 1 x Display Port 1.2 1 x DVI-D	IPS	Height, Pivot, Swivel, Tilt	-		
MONASUVG27BR	Asus	VG27BQ	27	165Hz	0.4ms	2560 x 1440	2 x HDMI 2.0 1 x Display Port 1.2	TN	Height, Pivot, Swivel, Tilt	ELMB Sync			
MONASUVG27AR	Asus	VG27AQ	27	165Hz	1ms	2560 x 1440	2 x HDMI 2.0 1 x Display Port 1.2	IPS	Height, Pivot, Swivel, Tilt	G-Sync, ELMB Sync			
MONLG-27BL5R	LG	27BL55U-B	27	60Hz	5ms	3840 x 2160	2 x HDMI 2.0 1 x DisplayPort 1.4	IPS	Height, Pivot, Tilt	FreeSync			
MONASUXG27UR	Asus	XG27UQ	27	144Hz	1ms	3840 x 2160	2 x HDMI 2.0 2 x DisplayPort 1.4	IPS	Height, Pivot, Swivel, Tilt	G-Sync			
MONASU289Q1R	Asus	VG289Q1A	28	60Hz	5ms	3840 x 2160	2 x HDMI 2.0 1 x DisplayPort 1.2	IPS	Height, Pivot	FreeSync			
MONASUG289QR	Asus	VG289Q	28	60Hz	5ms	3840 x 2160	2 x HDMI 2.0 1 x DisplayPort 1.2	IPS	Height, Pivot	FreeSync			
MONASUVP28UR	Asus	VP28UQG	28	60Hz	1ms	3840 x 2160	3 x HDMI 2.0 1 x Display Port 1.2	TN	-	-			
31" - 32"	MONASU328H1R	Asus	VG328H1B	32	165Hz	1ms	1920 x 1080	1 x HDMI 2.0 1 x VGA	IPS	Tilt, Swivel	-		
	MONLG-32QK5R	LG	32QK500-C	31.5	75Hz	5ms	2560 x 1440	2 x HDMI 1 x DisplayPort 1 x Mini DisplayPort	IPS	-	FreeSync		
	MONSAMS32G7OR	Samsung	LC32G75TQSNXZA	31.5	240Hz	1ms	2560 x 1440	1 x HDMI 2.0 Input 2 x DisplayPort 1.4 Input	VA	-	G-Sync		
	MONASUVG32VR	Asus	VG32VQ	32	144Hz	1ms	2560 x 1440	2 x HDMI 2.0 1 x DisplayPort 1.2	VA	Height	-		
	MONASUPG329R	Asus	PG329Q	32	175Hz	1ms	2560 x 1440	2 x HDMI 2.0 1 x DisplayPort 1.2	IPS	Height, Tilt, Swivel	G-Sync, ELMB Sync		
	MONMSIPS321R	MSI	Creator PS321Q	32	165Hz	1ms	2560 x 1440	2 x HDMI 2.0 1 x Display Port 1.2 1 x Type C (DP)	IPS	Height, Tilt, Swivel	-		
	MONSAMUE570R	Samsung	LU28E570DS/ZA	28	60Hz	1ms	3840 x 2160	2 x HDMI 2.0 1 x DisplayPort	TN	Tilt	FreeSync		
	MONLG-32BLWVR	LG	32BL75U-W	31.5	60Hz	4ms	3840 x 2160	1 x DisplayPort 1.4 2 x HDMI 2.0	VA	Height, Tilt	FreeSync		
	MONLG-32BN6R	LG	32BN67U-B	31.5	60Hz	5ms	3840 x 2160	1 x DisplayPort 1.4 2 x HDMI 2.0	IPS	Height	FreeSync		
	MONSAM32A80R	Samsung	S32A804NMN	32	60Hz	5ms	3840 x 2160	1 x HDMI 2.0 1 x DisplayPort 1.2	VA	Tilt, Swivel, Pivot	-		
	MONSAMS32A7R	Samsung	S32A704NWN	32	60Hz	5ms	3840 x 2160	1 x HDMI 1 x DisplayPort	VA	Tilt	-		
MONSAMF32TUR	Samsung	F32TU872VN	32	60Hz	8ms	3840 x 2160	1 x HDMI 2.0 1 x Thunderbolt 3	VA	Tilt, Swivel, Pivot	-			
MONSAMLU32JR	Samsung	LU32J590UQNXZA	32	60Hz	4ms	3840 x 2160	2 x HDMI 2.0 1 x DisplayPort 1.4	VA	Tilt	FreeSync			
34"	MONHP-V4G46R	HP	V4G46A8#ABA	34	60Hz	6ms	3440 x 1440	1 x HDMI 1 x DisplayPort	IPS	Tilt	-		
	MONASU348QGR	Asus	VP348QGL	34	75Hz	4ms	3440 x 1440	2 x HDMI 2.0 1 x DisplayPort 1.2	VA	Height	FreeSync		
	MONSAMS34J5R	Samsung	S34J550WQN	34	75Hz	4ms	3440 x 1440	2 x HDMI DisplayPort	VA	Tilt	FreeSync		
	MONSAMC34H8R	Samsung	C34H890WGN	34	100Hz	4ms	3440 x 1440	1 x HDMI 2.0 1 x DisplayPort	VA	Height, Tilt, Swivel	FreeSync		
	MONLG-34GBLR	LG	34GN85B-B	34	160Hz	1ms	3440 x 1440	2 x HDMI 2.0 1 x DisplayPort 1.4	Nano IPS	Height, Tilt	G-Sync, FreeSync		
35"	MONASUG35VQR	Asus	VG35VQ	35	100Hz	1ms	3440 x 1440	2 x HDMI 2.0 1 x DisplayPort 1.2	VA	Height, Tilt, Swivel	FreeSync		