Viewsonic TD2230 computer monitor 54.6 cm (21.5") 1920 x 1080 pixels Full HD LCD Touchscreen Multi-user Black
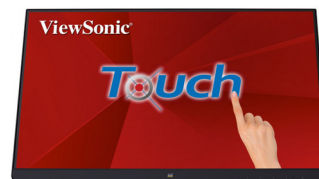
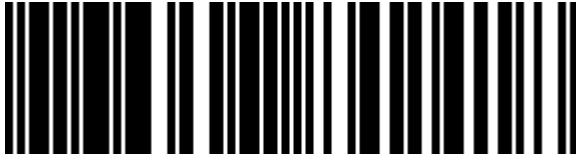**Brand :** Viewsonic

Product code: TD2230

Product name : TD2230

22", 1920 x 1080, 1000:1, 7ms, TFT, 178 º / 178 º , 21,5", 50000000:1, LED, 250 cd/m2, 7H, USB 3.0, HDMI, VGA, DisplayPort, 3W x2, 19W, 22W, 25W, 28W, 100-240 V, 50/60Hz, OSD, 0 º - 40 º C, 20%-90%, VESA, 24-82 kHz, 50-76 kHz, 20 º -70 º, 4.7 kg, 3.6 kg, 3.6 kg
Viewsonic TD2230. Display diagonal: 54.6 cm (21.5"), Display resolution: 1920 x 1080 pixels, HD type: Full HD, Display technology: LCD, Response time: 5 ms, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in speaker(s). Built-in USB hub, USB hub version: 3.2 Gen 1 (3.1 Gen 1). VESA mounting. Product colour: Black

Display

Display diagonal *	54.6 cm (21.5")
Display resolution *	1920 x 1080 pixels
HD type *	Full HD
Display technology *	LCD
Panel type *	ADS
Touchscreen *	✔
Touchscreen type	Multi-user
Touchscreen technology	Projected capacitive system
Touch technology	Multi-touch
Number of simultaneous touchpoints	10
Display brightness	250 cd/m²
Response time *	5 ms
Screen shape *	Flat
Supported graphics resolutions	640 x 480 (VGA), 720 x 400, 800 x 600 (SVGA), 1024 x 768 (XGA), 1280 x 1024 (SXGA), 1440 x 900 (WXGA+), 1680 x 1050 (WSXGA+), 1920 x 1080 (HD 1080)
Contrast ratio (typical) *	1000:1
Contrast ratio (dynamic)	50000000:1
Maximum refresh rate *	76 Hz
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Pixel pitch	0.24825 x 0.24825 mm
Horizontal scan range	24 - 82 kHz
Vertical scan range	50 - 76 Hz
Display diagonal (metric)	54.6 cm

Performance

NVIDIA G-SYNC *	✘

Ports & interfaces

HDMI ports quantity	1
HDMI version	1.4
DisplayPorts quantity	1
DisplayPort version	1.2
Audio input	1
Audio output	1

Ergonomics

VESA mounting *	✔
Panel mounting interface	100 x 100 mm
Wall mountable	✔
Tilt adjustment	✔
Tilt angle range	20 - 70°
On Screen Display (OSD)	✔
Number of OSD languages	12

Power

Energy efficiency class (SDR) *	F
Energy consumption (SDR) per 1000 hours *	19 kWh
Power consumption (typical) *	25 W
AC input voltage	100-240 V
AC input frequency	50 - 60 Hz
Power supply type	AC
European Product Registry for Energy Labelling (EPREL) code	389769

Operational conditions

Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-20 - 60 °C

Performance

AMD FreeSync *	✗
Windows operating systems supported	Windows 10, Windows 7, Windows 8, Windows 8.1
Mac operating systems supported	✔
Linux operating systems supported	✔
Other operating systems supported	Android

Multimedia

Number of speakers	2
RMS rated power	6 W
Built-in speaker(s) *	✔
Built-in microphone	✗
Built-in camera *	✗

Design

Product colour *	Black

Ports & interfaces

Built-in USB hub *	✔
USB hub version	3.2 Gen 1 (3.1 Gen 1)
USB upstream port type	USB Type-B
Number of upstream ports	1
Number of USB Type-B upstream ports quantity	1
USB Type-A downstream ports quantity	2
HDMI *	✔

Operational conditions

Operating relative humidity (H-H)	20 - 90%
Storage relative humidity (H-H)	5 - 90%

Weight & dimensions

Width (with stand)	490 mm
Depth (with stand)	47 mm
Height (with stand)	299 mm
Weight (with stand)	3.58 kg

Packaging data

Package width	550 mm
Package depth	114 mm
Package height	371 mm
Package weight	4.7 kg

Packaging content

Cables included	AC, Audio (3.5mm), HDMI, USB

Sustainability

Sustainability certificates	EPEAT Bronze, ErP

Other features

Display viewable area (HxV)	476.64 x 268.11 mm
Compliance certificates	CE, REACH, RoHS
Certification	cULus, FCC-B, ICES003, Energy Star 8.0, EPEAT Bronze, CEC, MX-CoC, Mexico Energy, CE, CE EMC, CB, RoHS, ErP, REACH, WEEE, EAC, UkrSEPRO, BIS, CCC, China RoHS, China Energy Label, CECP

Logistics data

Harmonized System (HS) code	85285210

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