

2203LM 22-inch Medical Grade Touchscreen Monitor

Specifications	
Color	Black or White
Diagonal Size	21.5" / 546.1 mm
Active Touch Area	18.74" x 10.54" / 476.06 mm x 267.79 mm
LCD Technology	Active matrix TFT LCD
Touch Technology	TouchPro PCAP
Number of Touches	10 Touches
Aspect Ratio	16:9
Native Resolution	1920 x 1080
Preset Video Timings	640 x 400 70Hz, 640 x 480 60Hz, 720 x 400 70Hz, 800 x 500 60Hz, 800 x 600 56Hz, 60Hz, 1024 x 768 60Hz, 1280 x 720 @ 58Hz, 60Hz, 1280 x 800 60Hz, 1280 x 1024 60Hz, 1366 x 768 60Hz, 60Hz RB, 1440 x 900 60Hz, 60Hz RB, 1680 x 1050 60Hz, 60Hz RB, 1920 x 1080 50Hz, 60Hz
Number of Colors	16.7M
Brightness (typical)	Panel: 250 nits; with TouchPro PCAP: 225 nits
Response Time (Tr + Tf) (typical)	14 msec
Viewing Angle (typical)	Horizontal: 89°/89° or 178° total; Vertical: 89°/89° or 178° total
Contrast Ratio (typical)	1000:1
On-Screen Display (OSD)	Accessible through switches along the bottom. Controls: Menu, Power, Up, Down, Select Settings: Brightness, Contrast, Clock, Phase, H-position, V-position, Auto-Adjust, Aspect Ratio, Sharpness, Color Temperature, OSD Timeout, OSD Language, Volume, Mute, Recall Defaults, Audio Select, Power LED ON/OFF, Touch Thru, Touch Interface, DICOM Languages: English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese, Russian, Korean Lockouts: OSD, Power
I/O Ports	VGA (RS232 touch supported via E810917), HDMI, Combo Jack, DC Jack, USB Type B, USB 2.0 Type A, 4 x Micro USB
Peripheral Ports	4 x Micro USB side ports (Top, Bottom, Left, Right)
Video	VGA (VGA DE-15 (DB-15) Male connector cable included); HDMI (HDMI cable included); Input Video Horizontal Sync frequency range: 30 - 82KHz Input Video Vertical Sync (frame rate) frequency range: 50 - 75Hz
Speakers	2 x 2W internal speakers
Power	Monitor input power connector: Coaxial power jack (2.1 mm pin outer diameter, 6.4mm barrel inner diameter); Monitor input power signal specifications: 12VDC +/- 5%; Adapter input voltage range: 100-240VAC, 50/60Hz; Power Consumption - Monitor + AC/DC adapter: ON (Default - 80% Brightness): 14.4 W; ON (Typical - 100% Brightness): 16.05 W; SLEEP: 0.78 W; OFF: 0.36 W
Dimensions (H x W x D)	With stand: 15.11" x 20.74" x 7.61" / 383.8 mm x 526.9 mm x 193.4 mm
Shipping Dimensions (H x W x D)	24.29" x 18.78" x 10.24" / 617 mm x 477 mm x 260 mm
Weight	Unpackaged with stand: 14.88 lbs / 6.75 kg; Unpackaged without stand: 10.47 lbs / 4.75 kg; Packaged: 23.81 lbs / 10.8 kg
Mounting Options	VESA 4-hole 100mm mounting interface on rear of unit
Temperature	Operating: 0° C to 40° C / Storage: -20° C to 60° C
Humidity (non-condensing)	Operating: 20% - 80% / Storage: 10% - 95% (38.7° maximum wet bulb temperature)
Regulatory approvals and declarations	Canada CUL, IC; China CCC; Europe CE; United Kingdom UKCA; Korea KCC; Taiwan BSMI; United States FCC, UL; Japan VCCI; International CB; Australia RCM; Russia EAC; Mexico CoC; RoHS, China RoHS, WEEE, REACH; India BIS
Healthcare Safety Standards	UL: AAMI /ANSI ES60601-1:2005/(R)2012 and A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012/IEC 60601-1 Ed. 3.1, cUL: (CAN/CSA-C22.2 NO. 60601-1:14 /IEC60601-1 Ed. 3.1, CB: IEC 60601-1:2005+A1:2012 (Ed. 3.1), CE: IEC 60601-1-2:2014 (Ed. 4), Risk Management: ISO 14971:2007 + EN ISO 14971:2012, Usability: IEC 60601-1-6:2010+A1:2013 (Ed. 3.1), IEC 62366:2007+A1:2014 (Ed. 1.1)
DICOM	DICOM Part 14 (AAPM secondary display)
Ingress Protection	IP54 entire enclosure
Impact Protection	IK06
Warranty	3 years
Extended Warranty Option	4 year warranty coverage - Elo P/N: E898247 5 year warranty coverage - Elo P/N: E898449 3 year warranty coverage + AUR - Elo P/N: E898648 4 year warranty coverage + AUR - Elo P/N: E894921 5 year warranty coverage + AUR - Elo P/N: E895125
MTBF	50,000 hours demonstrated
What's in the Box	Touchmonitor, Quick Install Guide, 3x Tie wraps, VGA cable, HDMI cable, Touch USB cable, Audio cable, Power brick (E323104), NA Power cable, EU Power cable, EEI Label, DICOM calibration sheet

Medical and Healthcare Application Disclaimer: It is the sole responsibility of any person intending to commercialize, market or use any of Elo Touch Solutions, Inc. or its family of companies ("Elo") products for medical or healthcare applications to ensure that such product is adequate and appropriate for the person's intended use and complies with all applicable laws, regulations, codes and standards including but not limited to the European Union Medical Device Directive, United States Federal Food, Drug, and Cosmetic Act, regulations of the United States Food and Drug Administration (FDA), and other similar legislation in jurisdictions around the world, and for obtaining and maintaining any required regulatory approvals including but not limited to any required market clearances. Elo has not sought nor received any rulings from the FDA or any other federal, state, or local government agency or notified body as to the safety, effectiveness or appropriateness of its product for such applications. Persons intending to evaluate or use Elo's product(s) for medical or healthcare purposes must rely on their own medical and legal judgment without any representation on the part of Elo.

Ordering Information

Part Number	Technology	Surface Treatment	Touch Interface	Color
E658788	TouchPro PCAP	Anti-glare	USB, Serial (via VGA)	Black
E658992	TouchPro PCAP	Anti-glare	USB, Serial (via VGA)	White

Learn more about Elo at EloTouch.com.

Americas

Tel +1 408 597 8000
elosales.na@elotouch.com

Europe (EMEA)

Tel +32 16 930 136
EMEA.Sales@elotouch.com

Asia Pacific

Tel +86 (21) 3329 1385
www.elotouch.com.cn

Elo reserves the right to change or update, without notice, any information contained herein; to change, without notice, the design, construction, materials, processing or specifications of any products; and to discontinue or limit production or distribution of any products. Elo, the Elo logo and TouchPro are either trademarks or registered trademarks of Elo Touch Solutions, Inc. All other trademarks are the property of their respective owners.
© 2021 Elo Touch Solutions, Inc. All rights reserved. 21071AES00098



1903LM 19-inch Medical Grade Touchscreen Monitor

Specifications	
Color	Black or White
Diagonal Size	19" / 482.6 mm
Active Touch Area	14.76" x 11.80" / 374.78 mm x 299.83 mm
LCD Technology	Active matrix TFT LCD
Touch Technology	TouchPro PCAP
Number of Touches	10 Touches
Aspect Ratio	5:4
Native Resolution	1280 x 1024
Preset Video Timings	640 x 480 60Hz, 640 x 400 70Hz, 720 x 400 70Hz, 800 x 500 60Hz, 800 x 600 56, 60Hz, 1024 x 768 60Hz, 1280 x 720 @ 58Hz, 60Hz, 1280 x 800 60Hz, 1280 x 1024 60Hz
Number of Colors	16.7M
Brightness (typical)	Panel: 250 nits; with TouchPro PCAP: 225 nits
Response Time (Tr + Tf) (typical)	14 msec
Viewing Angle (typical)	Horizontal: 89°/89° or 178° total; Vertical: 89°/89° or 178° total
Contrast Ratio (typical)	1000:1
On-Screen Display (OSD)	Accessible through switches along the bottom. Controls: Menu, Power, Up, Down, Select Settings: Brightness, Contrast, Clock, Phase, H-position, V-position, Auto-Adjust, Sharpness, Color Temperature, OSD Timeout, OSD Language, Volume, Mute, Recall Defaults, Audio Select, Power LED ON/OFF, Touch Thru, Touch Interface, DICOM Languages: English, French, Italian, German, Spanish, Simplified Chinese, Traditional Chinese, Japanese, Korean, Russian Lockouts: OSD, Power
I/O Ports	VGA (RS232 touch supported via E810917), HDMI, Combo Jack, DC Jack, USB Type B, USB 2.0 Type A, 4 x Micro USB
Peripheral Ports	4 x Micro USB side ports (Top, Bottom, Left, Right)
Video	VGA (VGA DE-15 (DB-15) Male connector cable included); HDMI (HDMI cable included); Input Video Horizontal Sync frequency range: 30 - 82KHz Input Video Vertical Sync (frame rate) frequency range: 50 - 75Hz
Speakers	2 x 2W internal speakers
Power	Monitor input power connector: Coaxial power jack (2.1 mm pin outer diameter, 6.4mm barrel inner diameter); Monitor input power signal specifications: 12VDC +/- 5%; Adapter input voltage range: 100-240VAC, 50/60Hz; Power Consumption - Monitor + AC/DC adapter: ON (Default - 80% Brightness): 14.53 W; ON (Typical - 100% Brightness): 16.36 W; SLEEP: 0.79 W; OFF: 0.37 W
Dimensions (H x W x D)	With stand: 15.66" x 16.91" x 7.61" / 397.7 mm x 429.6 mm x 193.4 mm
Shipping Dimensions (H x W x D)	20.75" x 18.97" x 10.24" / 527 mm x 482 mm x 260 mm
Weight	Unpackaged with stand: 13.9 lbs / 6.3 kg; Unpackaged without stand: 9.48 lbs / 4.3 kg; Packaged: 21.6 lbs / 9.8 kg
Mounting Options	VESA 4-hole 100mm mounting interface on rear of unit
Temperature	Operating: 0° C to 40° C / Storage: -20° C to 60° C
Humidity (non-condensing)	Operating: 20% - 80% / Storage: 10% - 95% (38.7° maximum wet bulb temperature)
Regulatory approvals and declarations	Canada CUL, IC; China CCC; Europe CE; United Kingdom UKCA; Korea KCC; Taiwan BSMI; United States FCC, UL; Japan VCCI; International CB; Australia RCM; Russia EAC; Mexico CoC; RoHS, China RoHS, WEEE, REACH; India BIS
Healthcare Safety Standards	UL: AAMI /ANSI ES60601-1:2005/(R)2012 and A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012/IEC 60601-1 Ed. 3.1 ; cUL: (CAN/CSA-C22.2 NO. 60601-1:14 /IEC60601-1 Ed. 3.1; CB: IEC 60601-1:2005+A1:2012 (Ed. 3.1); CE: IEC 60601-1-2:2014 (Ed. 4); Risk Management: ISO 14971:2007 + EN ISO 14971:2012; Usability: IEC 60601-1-6:2010+A1:2013 (Ed. 3.1), IEC 62366:2007+A1:2014 (Ed. 1.1)
DICOM	DICOM Part 14 (AAPM secondary display)
Ingress Protection	IP54 entire enclosure
Impact Protection	IK06
Warranty	3 years
Extended Warranty Option	4 year warranty coverage - Elo P/N: E898247 5 year warranty coverage - Elo P/N: E898449 3 year warranty coverage + AUR - Elo P/N: E898648 4 year warranty coverage + AUR - Elo P/N: E894921 5 year warranty coverage + AUR - Elo P/N: E895125
MTBF	50,000 hours demonstrated
What's in the Box	Touchmonitor with stand, Quick Install Guide, 3x Tie wraps, VGA cable, HDMI cable, Touch USB cable, Audio cable, Power brick (E323104), NA Power cable, EU Power cable, EEI Label, DICOM calibration sheet

Medical and Healthcare Application Disclaimer: It is the sole responsibility of any person intending to commercialize, market or use any of Elo Touch Solutions, Inc. or its family of companies ("Elo") products for medical or healthcare applications to ensure that such product is adequate and appropriate for the person's intended use and complies with all applicable laws, regulations, codes and standards including but not limited to the European Union Medical Device Directive, United States Federal Food, Drug, and Cosmetic Act, regulations of the United States Food and Drug Administration (FDA), and other similar legislation in jurisdictions around the world, and for obtaining and maintaining any required regulatory approvals including but not limited to any required market clearances. Elo has not sought nor received any rulings from the FDA or any other federal, state, or local government agency or notified body as to the safety, effectiveness or appropriateness of its product for such applications. Persons intending to evaluate or use Elo's product(s) for medical or healthcare purposes must rely on their own medical and legal judgment without any representation on the part of Elo.

Ordering Information

Part Number	Technology	Surface Treatment	Touch Interface	Color
E658394	TouchPro PCAP	Anti-glare	USB, Serial (via VGA)	Black
E658586	TouchPro PCAP	Anti-glare	USB, Serial (via VGA)	White

To find out more about our extensive range of Elo touch solutions, go to elotouch.com, or call the office nearest you.

Elo Touch Solutions - Italy

Camax DS Srl
Via Fratelli Di Dio, 18
20063 Cernusco Sul Naviglio (MI)

Tel. +39 02 9544951
Fax +39 02 9522671
info@camax.it - www.camax.it

CAMAX
DS

elo

Elo reserves the right to change or update, without notice, any information contained herein; to change, without notice, the design, construction, materials, processing or specifications of any products; and to discontinue or limit production or distribution of any products. Elo, the Elo logo and TouchPro are either trademarks or registered trademarks of Elo Touch Solutions, Inc. All other trademarks are the property of their respective owners. © 2018 Elo Touch Solutions, Inc. All rights reserved. 18021AES00105