

# Touch Screen Displays

## Medical & Light Industrial

At DTx Advanced Display Solutions, we understand the visual technology needs for the medical and light industrial markets. We focus on delivering cost effective display solutions for OEMs who need a long life solution. DTx LCD displays are available with various touch screen options, including Resistive, Capacitive and Surface Acoustic Wave (SAW).

As an ISO 9001 and 13485 registered manufacturer with over two decades of proven success, DTx has built a reputation for delivering quality solutions and support worldwide. One of our product specialists is always available to discuss your unique application.



## Features / Options

- 15", 17", 19" Standard Aspect Ratios, or 22" Wide Format
- Long Life High Performance LCD Panels
- Internal AC/DC Power Supply or Optional 12 Volt DC Input
- Resistive, Capacitive or SAW Touch Sensors
- HID Compliant - USB Plug & Play Touch Controllers
- RS232 Serial Touch Controllers and Drivers to Support Legacy Systems
- Built-in Speakers With 2 Watts Per Channel
- Available With Analog RGB, DVI and Composite Video Inputs
- Energy Star Compliant
- International Support Capabilities
- Custom Plastic Colors

**For more information contact a DTx Sales Representative at:**

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**Designs • Controls • Delivers •**

# DTx Medical & Light Industrial Touch Display Product Line-Up and Feature Comparison

Medical and Light Industrial Touch Displays	V22W	V19	V17	V15
Screen Size (Diagonal - Inches)	22 inch Wide	19 inch	17 inch	15 inch
LCD Module Type	MVA Ultra Wide Viewing Angle	MVA Ultra Wide Viewing Angle	TN +Film	TN +Film
Aspect Ratio	16:10	5:4	5:4	4:3
Dot - Pixel Pitch	0.282 mm	0.294 mm	0.264 mm	0.297 mm
Native Resolution (Pixel Count)	1680 x 1050	1280 x 1024	1280 x 1024	1024 x 768
Luminance (Typical)	300cd/m2	300cd/m2	350cd/m2	250cd/m2
Contrast Ratio (Typical)	1000:1	1300:1	1000:1	700:1
Response Time	8 ms (Grey to Grey)	8 ms (Grey to Grey)	5ms (Rising + Falling)	8ms (Rising + Falling)
Display Colors	16.7 M Colors (6-Bits + HiFRC)	16.7 M Based on 8 Bit Color Input	16.7 M Based on 6 Bit + FRC	16.7 M Based on 6 Bit + FRC
Viewing Angle Maximum Left/Right	89°/89°	89°/89°	85°/85°	85°/85°
Viewing Angles Up/Down	89°/89°	89°/89°	80°/80°	80°/80°
Input Signal Video	15 Pin D-Sub (VGA Analog), DVI-D	15 Pin D-Sub (VGA Analog), DVI-D	15 Pin D-Sub (VGA Analog), DVI-D	15 Pin D-Sub (VGA Analog), DVI-D
Synchronization Horizontal	30-82 kHz	30-82 kHz	30-82 kHz	30-82 kHz
Vertical	50-75 Hz	50-75 Hz	50-75 Hz	50-75 Hz
Resolutions Supported	VGA 640 x 350	VGA 640 x 350	VGA 640 x 350	VGA 640 x 350
	VGA 720 x 400	VGA 720 x 400	VGA 720 x 400	VGA 720 x 400
	VGA 640 x 480	VGA 640 x 480	VGA 640 x 480	VGA 640 x 480
	SVGA 800 x 600	SVGA 800 x 600	SVGA 800 x 600	SVGA 800 x 600
	XGA 1024 x 768	XGA 1024 x 768	XGA 1024 x 768	XGA 1024 x 768
	SXGA 1280 x 1024	SXGA 1280 x 1024	SXGA 1280 x 1024	
	HD720 1280 x 720			
	WXGA 1280 x 768			
	WSXGA 1440 x 900			
	WSXGA+ 1680 x 1050			
Active Display Area (mm)	473.76 (H) 296.10 (V)	376.32 (H) 301.06 (V)	337.90 mm (H) 270.30 mm (V)	304.00 mm (H) 228.00 mm (V)
Speakers - Audio Output	2.0 W + 2.0 W	2.0 W + 2.0 W	2.0 W + 2.0 W	2.0 W + 2.0 W
Power Supply	Internal 100 – 240 Volt @ 50/60 Hz. 12 Volt DC Input Optional	Internal 100 – 240 Volt @ 50/60 Hz. 12 Volt DC Input Optional	Internal 100 – 240 Volt @ 50/60 Hz. 12 Volt DC Input Optional	Internal 100 – 240 Volt @ 50/60 Hz. 12 Volt DC Input Optional
Power Consumption	50 Watts Maximum	40 Watts Maximum	40 Watts Maximum	25 Watts Maximum
Power Saving Mode < 3W	EPA Energy Star Compliant	EPA Energy Star Compliant	EPA Energy Star Compliant	EPA Energy Star Compliant
Dimensions (Without Stand)	513.00 mm (W) 337.80 mm (H) 61.00 mm (D)	424.00 mm (W) 375.00 mm (H) 63.50 mm (D)	380.00 mm (W) 343.00 mm (H) 60.30 mm (D)	347.00 mm (W) 296.00 mm (H) 45.20 mm (D)
Weight	11.2 lbs. / 5.1kg	9.9 lbs. / 4.5kg	7.7 lbs. / 3.5kg	6.8 lbs. / 3.1kg
Operating Temperature	5°C – 35°C	5°C – 35°C	5°C – 35°C	5°C – 35°C
Operating Humidity (Non-Condensing)	20%-80%	20%-80%	20%-80%	20%-80%
Operating Altitude (Ft)	0 to 10,000 Feet	0 to 10,000 Feet	0 to 10,000 Feet	0 to 10,000 Feet
Storage Temperature	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	-20°C – 60°C
Regulatory Approvals	UL, CUL, CE, FCC Class B, RoHS	UL, CUL, CE, FCC Class B, RoHS	UL, CUL, CE, FCC Class B, RoHS	UL, CUL, CE, FCC Class B, RoHS