

# TSD-2220

## 21.5 in. HD Touch Screen Display



- High-Definition 21.5 in. widescreen touch display with full HD 1920 x 1080 display resolution
- Built-in 4K UHD downscaling
- HDCP 2.2 compliant
- Multitouch capacitive touch screen
- Ultrawide 178° viewing angles
- Built-in stereo speakers
- Slim, rugged design
- IP65 dust proof and water resistant
- Rear connector cover
- VESA 100 x 100 or 200 x 100 mountable
- CEC-controllable power, volume, and brightness
- Designed for use with a DGE-100 or DM-DGE-200-C Digital Graphics Engine
- 100–240V universal power pack included
- Third-party flush wall mount kit available

The [TSD-2220](#) is a 21.5 in. (546 mm) Full HD capacitive touch screen display that can be used with the Crestron® [DGE-100](#) or [DM-DGE-200-C](#) digital graphic engines (both sold separately) to provide a powerful touch screen control solution. It supports input resolutions up to 4K60 UHD (3840 x 2160 @ 60 Hz) via a single HDMI® input. It can be installed using a variety of VESA compliant mounting accessories, including wall-mount brackets, desk stands, and articulating arms. The TSD-2220 is compatible with VESA 100 x 100 mm and VESA 200 x 100 mm mounts (not included).

### High-Definition Touch Display

The TSD-2220 offers a high-definition 21.5 in. widescreen touch display with a full HD 1920 x 1080 display resolution. The display offers ultrawide 178° viewing angles.

### Advanced Touch Screen Control

The TSD-2220 offers a sleek and powerful user interface for controlling technology in a home, boardroom, classroom, or command center. The touch screen provides an intuitive interface that is fully customizable with easy-to-use capacitive controls, true feedback, and real-time status display.

### CEC Embedded Device Control

For controlling third-party AV devices, DigitalMedia™ technology offers an alternative to conventional IR, RS-232, and Ethernet by harnessing the Consumer Electronics Control (CEC) signal embedded in HDMI.

### HDMI Input

An HDMI input is provided for connecting and displaying an HD video source. Wireless presentation is also supported by connecting an AirMedia® gateway to the HDMI input, allowing for laptops and mobile devices to connect to the DGE-100 over Wi-Fi® communications.<sup>2</sup>

### HDCP Support

The TSD-2220 is High-bandwidth Digital Content Protection (HDCP) 2.2 compliant. HDCP support ensures seamless compatibility with content-protected optical disc, television, and streaming sources.

### Built-in Speakers

The TSD-2220 comes with rear-facing amplified speakers for audio streaming and feedback.

### Third-Party Mounting Solution

The TSD-2220 is compatible with [Wall-Smart® retrofit mount products](#) via a partnership with Crestron.

## Specifications

### Touch Screen Display

Display Type	TFT active matrix color LCD
Size	21.5 in. (546 mm) diagonal
Aspect Ratio	16:9 Full HD
Resolution	1920 x 1080 pixels
Brightness	225 Nit (225 cd/m <sup>2</sup> )
Contrast	1000:1
Response Time	14 ms
Color Depth	24-bit, 16.7M colors
Illumination	WLED backlit
Viewing Angle	±89° horizontal, ±89° vertical
Touch Screen	Projected capacitive, 10-point multitouch capable

# TSD-2220

## 21.5 in. HD Touch Screen Display

### Buttons and Indicators

<b>Power/Menu (rear)</b>	(5) Push buttons for power and setup
<b>Power (rear behind cover)</b>	(1) LED, indicates operating power supplied via the power pack

### Communications

<b>USB</b>	USB Human Interface Device (USB HID)
------------	--------------------------------------

### Video

<b>Input Signal Types</b>	HDMI® signal
<b>Input Resolutions</b>	3840 x 2160 @ 60 Hz maximum

### Audio

<b>Input Signal Types</b>	HDMI
<b>Speakers</b>	Built-in rear-facing stereo amplified speakers

### Connectors

<b>HDMI</b>	(1) 19-pin Type A HDMI female; HDMI digital video/audio input; DVI compatible <sup>1</sup>
<b>USB</b>	(1) USB type B, female; USB device port; 6 ft (1.83 m) cable included
<b>12VDC</b>	(1) DC power connector; 12VDC power input, power pack included

### Power

<b>Power Pack (included)</b>	Output: 4.16A @ 12VDC; Input: 100–240VAC, 50/60 Hz
<b>Power Consumption</b>	27 W typical; 2 W standby (display backlight off)

**NOTE:** If power is lost while the TSD-2220 is powered on, it will automatically return to the powered on state when power is restored.

### Environmental

<b>Temperature</b>	32° to 104°F (0° to 40°C)
<b>Humidity</b>	20% to 80% RH (noncondensing)
<b>Heat Dissipation</b>	93 BTU/hr

### Construction

Plastic case, IEC IP65 rated, VESA 100 x 100 or 200 x 100 mm mountable (M4 screw size)

### Dimensions

<b>Height</b>	12.34 in. (313 mm)
<b>Width</b>	20.37 in. (517 mm)
<b>Depth</b>	1.81 in. (46 mm)

### Weight

9.7 lb (4.4 kg)

### Compliance

#### Regulatory Model: TSD-2220

CE, IC, FCC Part 15 Class B digital device

To search for product certificates, refer to [support.crestron.com/app/certificates](http://support.crestron.com/app/certificates).

### Model

#### TSD-2220

21.5 in. HD Touch Screen Display

### Available Accessories

For a list of available accessories, visit the [TSD-2220](#) product page.

#### Notes:

1. The HDMI® input requires an appropriate adapter or interface cable to accommodate a DVI signal. [CBL-HD-DVI](#) interface cables are available separately.
2. The HDMI® input signal cannot be downscaled more than 4 times. For instance, a 1920 x 1080 source signal can be displayed no smaller than 480 x 270 pixels.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/How-To-Buy/Find-a-Representative](http://www.crestron.com/How-To-Buy/Find-a-Representative) or contact us for additional information by visiting [www.crestron.com/contact/our-locations](http://www.crestron.com/contact/our-locations) for your local contact.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

The product warranty can be found at [www.crestron.com/warranty](http://www.crestron.com/warranty).

The specific patents that cover Crestron products are listed online at [www.crestron.com/legal/patents](http://www.crestron.com/legal/patents).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

# TSD-2220

## 21.5 in. HD Touch Screen Display

Crestron, the Crestron logo, AirMedia, and DigitalMedia are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. HDMI, the HDMI logo, and High Definition Multimedia Interface are either trademarks or registered trademarks of HDMI Licensing LLC in the United States and/or other countries. Wi-Fi, WPA, and WPA2 are either trademarks or registered trademarks of Wi-Fi Alliance in the United States and/or other countries. Wall-Smart is either a trademark or registered trademark of Wall-Smart Ltd. in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography.

### **HDMI**

Specifications are subject to change without notice.

©2023 Crestron Electronics, Inc.

Rev 04/13/23

# TSD-2220

## 21.5 in. HD Touch Screen Display

