# TSD-2220

## 21.5" HD Touch Screen Display

> High-Definition 21.5" widescreen touch display

> Full HD 1920 x 1080 display resolution

> Built-in 4K UHD downscaling

> HDCP 2.2 compliant

> Multi-touch capacitive touch screen

> Ultra wide 178 degree viewing angles

> Built-in stereo speakers

> Slim, rugged design

> IP65 dust proof and water resistant

> Rear connector cover

> VESA 100x100 or 200x100 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" (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 (3840x2160@60Hz) 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).

A flush in-wall mounting solution is available from third-party supplier Wall-Smart™ (www.wall-smart.com).

## SPECIFICATIONS

### Touch Screen Display

**Display Type:** TFT active matrix color LCD
**Size:** 21.5 inch (546 mm) diagonal
**Aspect Ratio:** 16:9 Full HD
**Resolution:** 1920 x 1080 pixels
**Brightness:** 225 nits (cd/m²)
**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 multi-touch capable

### Buttons & Indicators

**Power/Menu (rear):** (5) Pushbuttons for power and setup

**Power (rear behind cover):** (1) LED, indicates operating power supplied via the power pack

*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.*

### Communications

**USB:** USB Human Interface Device (USB HID)

### Video

**Input Signal Types:** HDMI
**Input Resolutions:** 3840x2160@60Hz maximum

*Refer to DGE-100 or DM-DGE-200-C specifications for additional information.*
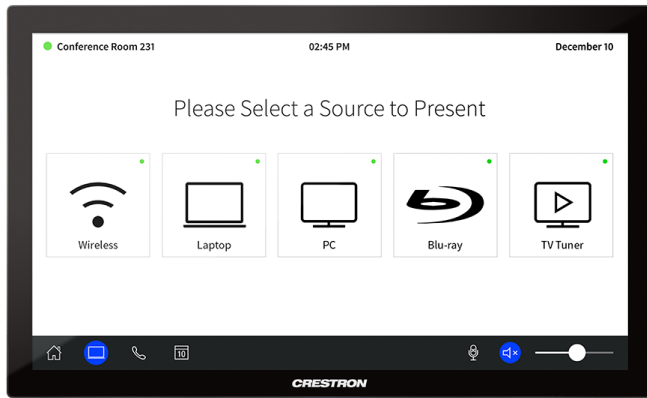
### Audio

**Input Signal Types:** HDMI
**Speakers:** Built-in rear-facing stereo amplified speakers

*Refer to DGE-100 or DM-DGE-200-C specifications for additional information.*

### Connectors

**HDMI:** (1) 19-pin Type A HDMI female;
HDMI digital video/audio input;
(DVI compatible [1])

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**TSD-2220-B — Front, Right Side, and Rear Views**

**USB:**  (1) USB type B, female;
USB device port;
6 ft (1.83 m) cable included

**12VDC:**  (1) DC power connector;
12 Volt DC power input, power pack included

## Power

**Power Pack (included):**  Output: 4.16 Amp @ 12 Volts DC
Input: 100-240 Volts AC, 50/60 Hz

**Power Consumption:**  27 Watts typical;
2 Watts standby (display backlight off)

## Environmental

**Temperature:**  32° to 104° F (0° to 40° C)
**Humidity:**  20% to 80% RH (non-condensing)
**Heat Dissipation:**  93 BTU/hr

## Construction

Plastic case, IEC IP65 rated, VESA 100x100 or 200x100 mm mountable
(M4 screw size), third-party flush wall mount kit available from Wall-Smart
(www.wall-smart.com)

## Dimensions

**Height:**  12.34 in (314 mm)
**Width:**  20.37 in (518 mm)
**Depth:**  1.82 in (46 mm)

## Weight

9.7 lb (4.4 kg)

## MODELS & ACCESSORIES

### Available Models

**TSD-2220-B:**  21.5" HD Touch Screen Display, Black

### Available Accessories

**DGE-100:**  Digital Graphics Engine 100
**DM-DGE-200-C:**  Digital Graphics Engine 200 w/PinPoint™ UX &
4K DM 8G+® Input
**CBL Series:**  Crestron® Certified Interface Cables

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.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please
contact the Crestron sales representative for your area. A list of sales representatives is available
online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit
www.crestron.com/opensource.

Crestron Electronics, Inc.  15 Volvo Drive │ Rockleigh, NJ 07647
Tel: 800.237.2041 / 201.767.3400 │ Fax: 201.767.1903
www.crestron.com

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*Specifications subject to change without notice. Revised 03/03/17*