



## Multi-Touch Frames for Any Size

The Baanto 17" ShadowSense based touchscreen delivers innovative, high performance multi-touch capabilities in an open frame design. This is the perfect multi-touch solution for systems and chassis designed to use the ELO® 1739L family of touch monitors.

ShadowSense requires no drivers or touch detection applications running on the host CPU making this technology an outstanding solution for cost sensitive applications using low power CPU's and media players.

An industry first, the Baanto Dashboard provides customers with the ability to easily configure and modify the touchscreen behavior. The Dashboard allows the user to adjust the performance and touch characteristics of the touchscreen to provide spurious touch and palm rejection, debris and static object recognition, rain and fluid cancellation, and touch object characterization.

A perimeter based sensor design decouples the touch function from the protective glass providing improved optical and environmental performance, and better immunity to surface debris and scratches.

Targeted at embedded applications in Kiosk, Gaming, ATM, and Control and Monitoring, the worldwide agency approvals and certifications simplify your integration and product approval efforts.

## Key Features

- True 5 point multi-touch performance
- High Performance
  - Sub-10 ms response time
  - Sub-2 mm touch point accuracy
  - No ghosting or dead zones
  - Outstanding ambient light rejection up to full sunlight (10,000 foot-candles)
- Fully Featured
  - Real-time touch area data provided for all touch points
  - Senses solid objects 4 mm or greater in diameter
  - Static object detection and rejection
    - Continues to function with debris on the screen
  - Configurable hover distance for touch detection
  - Configurable spurious touch and palm rejection
- 3 mm tempered glass with 91% optical clarity
- IP65 rated front seal (bezel to glass)
- USB HID interface to host
  - Windows® 7 and 8 compliant packet formats
  - No drivers or CPU based algorithms
- Calibration free
  - Mechanically and thermally stable



# SDW-170S1 - 17" Open Frame Multi-Touch Solution



## Electrical Specifications

|       |   |
|-------|---|
| Power | Average: 1.0 W (@ 5 V DC) and 1.0 W (@ 12 V DC)<br>Peak: 1.9 W (@5 V DC) and 3.2 W (@12 V DC) |
|-------|---|

## Environmental Specifications

|             |  |
|-------------|--|
| Temperature | Operating: 0°C to +70° (contact us for commercial and industrial operating temperatures)<br>Non-Operating: -20°C to 80°C   |
| Humidity    | Operating: 5% to 90% RH non-condensing<br>Non-Operating: 5% to 90% RH non-condensing   |
| Altitude    | Operating: Sea level to 10,000 feet<br>Non-Operating: Sea level to 30,000 feet   |
| Shock       | Operating: 40 g per IEC 60068-2-27, half sine, 11 ms duration, 3 axis<br>Non-Operating: 50 g per IEC 60068-2-27, half sine, 11 ms duration, 3 axis (in approved pkg) |
| Vibration   | Operating: 1 g per IEC 60068-2-64 at 5 to 500Hz, 1 octave/min, 3 axis<br>Non-Operating: 5 g per IEC 60068-2-64 at 5 to 500Hz, 1 octave/min, 3 axis                   |

## Mechanical Specifications

|           |   |
|-----------|---|
| Diagonal  | Active: 17.0", 5:4 aspect ratio                   |
| Height    | Active: 269.80 mm<br>Non-Active: 306.13 ± 0.25 mm |
| Width     | Active: 337.80 mm<br>Non-Active: 368.13 ± 0.25 mm |
| Thickness | Entire frame including mounting bracket: 38.10 mm |

## Miscellaneous Specifications

|                  |   |
|------------------|---|
| Operating System | Windows 8/7/XP (including embedded versions), Mac OS X, Linux (Ubuntu, Fedora), Android |
|------------------|---|

## Ordering Information

**SDW-170S1-M5T-EE1-S1-PRD**

**SDW-170S1-M5T-EE1-G1-PRD**    Anti-Glare Option

### Accessories

SDW-STY-GN-R11.5X1-SR    Passive Stylus

SDW-ERS-GN-R6X2-GY    Passive Eraser



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