



## Multi-Touch Frames for Digital Signage

Baanto ShadowSense based large format touch frames deliver innovative, high performance multi-touch capabilities for large format displays. This is the perfect solution for digital out-of-home (DOOH), interactive signage and other large interactive applications.

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 a multitude of large format applications, the worldwide agency approvals and certifications simplify your integration and product approval efforts.

### Key Features

- True 6 point multi-touch performance
- High Performance
  - Sub-10 ms response time
  - Sub-2 mm touch point accuracy
  - 4K (4096x4096) touch resolution
  - 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
  - Configurable pen and eraser recognition
- USB HID interface to host
  - Windows® 7 and 8 compliant packet formats
  - No drivers or CPU based algorithms
- Calibration free
  - Mechanically and thermally stable



## Electrical Specifications

|       |  |
|-------|--|
| Power | Average: 5.0 W (@ 12 V DC)<br>Peak: 7.3 W (@12 V DC) |
|-------|--|

## Environmental Specifications

|             |  |
|-------------|--|
| Temperature | Operating: -10°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   |

## Mechanical Specifications

|           |  |
|-----------|--|
| Diagonal  | Active: 42.4", 16:9 aspect ratio           |
| Height    | Active: 530.60 mm<br>Non-Active: 588.60 mm |
| Width     | Active: 939.30 mm<br>Non-Active: 997.30 mm |
| Thickness | 13.25 mm                                   |

## Miscellaneous Specifications

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

## Ordering Information

### SDW-424W1-M6L-I50-S0-PRD

(Large format frames do not include a glass covering)

### Accessories

SDW-STY-GN-R1 1.5X1-SR    Passive Stylus  
SDW-ERS-GN-R6X2-GY    Passive Eraser



All specifications and data presented herein are subject to change without advance notice. Please ensure you have the latest detailed specifications and drawings from Baanto prior to commencing any design with or use of Baanto products.

Baanto™ and ShadowSense™ are trademarks of Baanto International Limited. © 2015 Baanto International Ltd. All other product names mentioned are the trademarks of their respective owners.

