

# Imagine what can do



Light Touch™ is an interactive projector that turns any flat surface into a touchscreen.



The virtual display is spill and fingerprint resistant. It's as easy to clean as a regular table-top.

Applications include:

Interactive ordering system in Restaurants, Bars and Hotels

Wipe-clean, pathogen resistant touchscreen for Healthcare environments

Virtual touchscreen in the kitchen for watching cooking programmes, browsing recipes and purchasing groceries online

## How it works

Light Touch™ has **Holographic Laser Projection (HLP™)** technology inside which creates bright, high-quality video images in WVGA resolution. HLP's™ ultra-wide projection angle and long depth of field enable the image to be projected right next to the projector. Integrated infrared sensors detect motion, turning the projected image into a 10" virtual touch screen. The user can control the projector and interact with applications simply by touching the image.

## Multiple Applications

Light Touch™ is a versatile application platform. Custom applications can be easily created using Adobe's Flash Lite or Microsoft's .NET software tools. Onboard WiFi and Bluetooth enables applications to connect directly to the internet, other devices and backend systems.

## Easy Integration

Light Touch™ can be battery or mains-powered and has been designed for use as a stand-alone device (with industrial designed skin) or for easy integration into table fittings, wall mountings, kiosks and a host of other devices (metal casing).



*The opportunities for Light Touch™ extend into retail spaces, the workplace and the home, profoundly changing the way people interact with multimedia content and the built environment.*

## Features

- Full-colour laser projected display
- 9.5” display, WVGA resolution
- Integrated infra-red sensors turn display into touch sensitive user interface
- 18 lumens for typical video content, 30 lumens for typical applications
- Class 1 laser classification—completely eye safe under all conditions
- Supports applications developed in Flash Lite and Microsoft.NET
- Media Player capability including internal storage, video decode and stereo audio

## Product Specification

### DISPLAY

|             |   |
|-------------|---|
| Type        | Holographic Laser Projection (HLP™)   |
| Image Size  | 9.5” diagonal   |
| Brightness  | Dependent on content. 18 lumens for typical video, 30 for typical user interface applications |
| Resolution  | WVGA (848 x 480)  |
| Laser Class | Class 1—eye safe under all conditions   |

### INPUT & OUTPUT

|                     |  |
|---------------------|--|
| Touch Sensor        | IR Optical sensor capable of multi-touch gesture support   |
| Audio               | 3.5mm stereo headphone out<br>Internal mono speaker  |
| Video               | Composite video in (4-pole 2.5mm socket)   |
| I/O Connectors      | USB Host (Full-size Type A connector)<br>USB Device (Micro type AB connector)<br>Micro SDHC card (push-push socket)<br>Composite video input available |
| Wireless Networking | Integrated WiFi chipset supporting 802.11b/g with WPA2<br>Bluetooth v2.1 available   |

### SYSTEM

|                      |   |
|----------------------|---|
| Application Software | Adobe Flash Lite / Microsoft.NET                            |
| Operating System     | Win CE 6 R2   |
| System Memory        | 128MB RAM, 265MB flash ROM                                  |
| Application Memory   | Internal 3GB flash, upto 32GB with external micro SDHC card |
| Power Input          | 5v (+/-10%) DC input socket                                 |
| Power consumption    | <10W  |
| Temperature Ranges   | Operating +5 to +35°C / Storage -20 to +60°C                |
| Lifetime             | 10,000 hrs (subject to ongoing evaluation)                  |

### SIZE

|                     |                        |
|---------------------|------------------------|
| Dimensions & Weight | 119 x 32 x 190mm, 700g |
|---------------------|------------------------|