# ML1050ST+
Ultra-compact short throw LED projector



- **HD Ready and LED technology - Great for movies, gaming and PC-free presentations**

- **Short throw lens with auto focus**

- **Feature packed - Built in media player, optional wireless, HDMI, MHL, micoSD and built in speaker,**

- **Ultra compact and lightweight - only 420g**

Building on the successful ML1050ST the all new ML1050ST+ has all the benefits with the addition of auto focus for a seamless setup.

Perfect for meetings, presentations or movies on-the-go. This tiny projector weighs just 420g and comes with a convenient carry bag.

# Specifications

### Display/image

| | |
|---|---|
| Display technology | DLP™ |
| Resolution | WXGA (1280x800) |
| Brightness (HK/ANSI) | 1000/500 |
| Contrast ratio | 20,000:1 |
| Native aspect ratio | 16:10 |
| Aspect ratio - compatible | 4:3,16:9 |
| Keystone correction - vertical | +/-40° |
| Has vertical auto keystone correction | Yes |
| Horizontal scan rate | 15.375 ~ 91.146Khz |
| Vertical scan rate | 24 ~ 85(120 for 3D)Hz |
| Uniformity | 90% |
| Screen size | 1.27m ~ 2.54m (50" ~ 100") diagonal |

### Lamp info

| | |
|---|---|
| Light source type | LED |
| LED life | 20,000 hours |

### Optical

| | |
|---|---|
| Throw ratio | 0.8:1 |
| Projection distance (m) | 0.86m - 1.72m |
| Zoom type | Fixed |
| Focal length (mm) | 8.02mm/0.32" |
| Native offset | 100% |

### Connectivity

| | |
|---|---|
| Connections | **Inputs** 1 x HDMI 1.4a 3D support + MHL, 1 x microSD card, 1 x USB-A reader, 1 x Universal I/O - VGA |
| | **Outputs** 1 x Audio 3.5mm |

### General

| | |
|---|---|
| Noise level (typical) | 22dB |
| Noise level (max) | 24dB |
| PC compatibility | FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac |
| 2D compatibility | 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz) |
| 3D compatibility | SVGA 120Hz, XGA 120Hz |
| 3D | 3D ready |
| Security | Security bar, Kensington Lock, Password protected interface |
| OSD / display languages | 13 languages: Dutch, English, French, German, Greek, Italian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish |
| Operating conditions | 5°C~35°C/41°F~95°F, max altitude 2500M/8202.5ft, max humidity 85% |
| Remote control | Card style |
| Speaker count | 1 |
| Watts per speaker | 1W |
| In the box | Carry bag<br>Universal I/O cable<br>AC power cord<br>Remote control<br>Battery<br>Basic user manual |
| Operating system compatibility | Windows 7 / 8 / 8.1 / 10, MacOSX 10.9 +, Android 4.0+, iOS 8+ |
| Input lag | 16.00ms |
| Optional wireless models | WUSB |

### Power

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|---|---|
| Power supply | 100 ~ 240V, 50 ~ 60Hz |
| Power consumption (standby) | 0.5W |
| Power consumption (max) | 77W |

### Weight and dimensions

| | |
|---|---|
| Dimensions (W x D x H) mm | 112 x 123 x 57 |
| Gross weight | 1.41 kg |
| Net weight | 1.2 kg |