## BenQ

| Model Name | W1210ST Digital Projector |
|---|---|

### Unique Selling Point

* Fast mode for ultra-low input lag
* 6x RGBRGB color wheel
* 1.2x short-throw lens
* CinemaMaster Audio Enhancer
* 10W chamber speaker x 2

### Trade Mark

DLP PICTURE BY TEXAS INSTRUMENTS | HDMI HIGH DEFINITION MULTIMEDIA INTERFACE | MHL Mobile High-definition Link | SmartEco

CinemaMaster Audio+ | isf ccc

| | | |
|---|---|---|
| **Projection System** | DLP | |
| **Native Resolution** | 1080p (1920 x 1080) | |
| **Brightness** | 2200 AL | |
| **FOFO Contrast Ratio** | 15000:1 | |
| **Display Color** | 1.07 Billion Colors | |
| **Lens** | F = 2.6 - 2.78, f = 10.2 - 12.24 mm | |
| **Aspect Ratio** | Native 16:9 (5 aspect ratio selectable) | |
| **Throw Ratio** | 0.69 - 0.83 (100" @ 1.5m) | |
| **Image Size (Clear Focus / Maximum)** | 60"~120" / 300" | |
| **Zoom Ratio** | 1.2:1 | |
| **Lamp Type** | 240W | |
| **Lamp Mode (Normal/Eco/SmartEco)*** | 3500 / 5000 / 7000 hours | |
| **Keystone Adjustment** | Vertical ± 20 degrees | |
| **Projection Offset** | 102.5% ± 2.5% | |
| **Lens Shift** | N/A | |
| **Resolution Support** | VGA(640 x 480) to WUXGA_RB (1920 x 1200) *RB = Reduced Blanking | |
| **Horizontal Frequency** | 15 - 102KHz | |
| **Vertical Scan Rate** | 23 - 120Hz | |
| **Color Wheel Segment** | 6-Segment (RGBRGB) | |
| **Color Wheel Speed** | 6x (50Hz), 4x (60Hz) | |
| **Compatibility** | HDTV Compatibility | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p |
| | Video Compatibility | NTSC, PAL, SECAM |
| | 3D Compatibility (Please refer to User's Manual for detailed support timing.) | Frame Sequential: Up to 720p<br>Frame Packing: Up to 1080p<br>Side by Side: Up to 1080i/p<br>Top Bottom: Up to 1080p |
| **Interface** | PC (D-Sub) | x 1 |
| | HDMI | x 2 |
| | MHL | x 1 (Share with HDMI-2) |
| | Audio In | x 1 |
| | Audio Out | x 1 |
| | Chamber Speaker | 10W x 2 |
| | USB (Type A) | x 1 (5V / 1.5A power supply) |
| | USB (Type mini B) | x 1 (Service) |
| | RS232 | x 1 |
| | DC 12V Trigger | x 1 |
| | IR Receiver | x 2 (Front & Top) |
| **Physical** | Dimensions (W x H x D) | 380.5 x 121.7 x 277 mm |
| | Weight | 3.6 kg (7.93 lbs) |
| **Power** | Power Supply | AC100 to 240 V, 50 to 60 Hz |
| | Power Consumption | Normal 353W, Eco 292W, Standby <0.5W |
| **Audible Noise** | 29/27 dBA (Normal/Economic mode) | |
| **On-Screen Display Languages** | Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages) | |
| **Picture Modes** | ** ISF Disabled: Bright / Vivid / Cinema / **Game / Game (Bright)** / User / (3D)<br>*** ISF Enabled: Bright / Vivid / Cinema / Game / Game (Bright) / User / **ISF Night** / ISF Day / (3D) | |

| | Standard | Optional |
|---|---|---|
| **Accessories** | Lens Cover | Spare Lamp Kit |
| | Remote Control with Battery | Ceilling Mount |
| | Power Cord (by region) | Wireless FHD Kit |
| | User Manual CD | DLP 3D Glasses |
| | Quick Start Guide | |
| | Carry Bag | |
| | Warranty Card | |

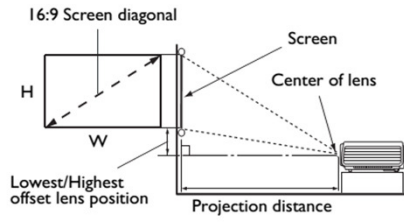| | |
|---|---|
| **Environmental Notice** | Lamp in this product contains mercury. To dispose of the product or used lamps, consult your local environment authorities for regulations or see www.lamprecycle.org. |

*Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

** Default picture mode is **Standard**. When 3D is on, picture mode menu only show 3D. When 3D is off, 3D will also disappear.

*** When ISF is enable, default picture mode is **ISF Night.** When 3D is on, picture mode only show 3D. When 3D is off, 3D will also disppear.

## Distance Chart



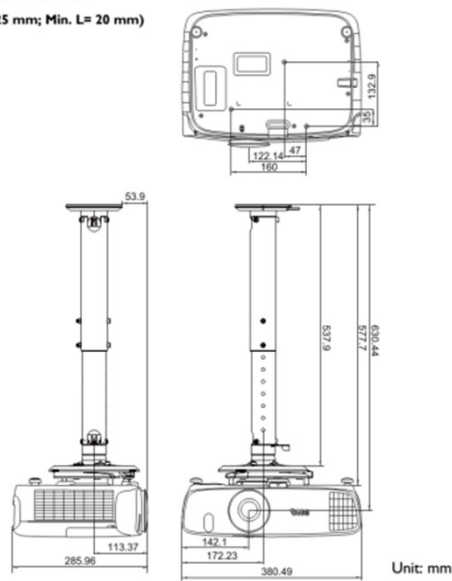| Screen size | | | | Projection distance (mm) | | | Offset lens position (mm) |
|---|---|---|---|---|---|---|---|
| Diagonal | | H (mm) | W (mm) | Min. distance (max. zoom) | Average | Max. distance (min. zoom) | |
| Inch | mm | | | | | | |
| 60 | 1524 | 747 | 1328 | 917 | 1009 | 1102 | 19 |
| 70 | 1778 | 872 | 1550 | 1069 | 1178 | 1286 | 22 |
| 80 | 2032 | 996 | 1771 | 1222 | 1346 | 1470 | 25 |
| 90 | 2286 | 1121 | 1992 | 1375 | 1514 | 1654 | 28 |
| 100 | 2540 | 1245 | 2214 | 1528 | 1682 | 1837 | 31 |
| 110 | 2794 | 1370 | 2435 | 1680 | 1851 | 2021 | 34 |
| 120 | 3048 | 1494 | 2657 | 1833 | 2019 | 2205 | 37 |
| 140 | 3556 | 1743 | 3099 | 2139 | 2355 | 2572 | 44 |
| 160 | 4064 | 1992 | 3542 | 2444 | 2692 | 2940 | 50 |
| 180 | 4572 | 2241 | 3985 | 2750 | 3028 | 3307 | 56 |

All measurements are approximate and may vary from the actual sizes. If you want a permanent installation of the projector, we recommend that you use the actual projector to physically test the projection size, distance, and the projector's optical characteristics prior to the installation. This helps you determine the exact mounting position which best suits your installation.

## Wall Mount / Ceiling Mount Chart



Ceiling mount screws: M4
(Max. L = 25 mm; Min. L= 20 mm)

Unit: mm

## Dimension



277

121.7

380.5

Unit: mm