

DIGITAL  
PROJECTOR

# W1080ST

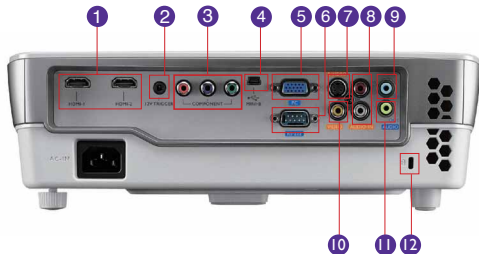


## Features

- Native Full HD 1080P (1920x1080) Resolution
- 2,000 ANSI Lumens, 10,000:1 High Contrast Ratio
- Short Throw Lens
- SmartEco™ Power Saving Technology
- Various 3D Format and nVidia 3DTV Play
- REC 709 Color Performance



## Input and Output Terminals



- |                             |                              |
|-----------------------------|------------------------------|
| 1 HDMI 1 & 2                | 7 S-Video In (Mini DIN 4pin) |
| 2 DC 12V Trigger            | 8 Audio In L & R (RCA)       |
| 3 Component Video In (RCA)  | 9 Audio In (Mini Jack)       |
| 4 USB (Mini B)              | 10 Component Video in        |
| 5 Computer in (D-sub 15pin) | 11 Audio Out (Mini Jack)     |
| 6 RS232 (DB-9pin)           | 12 Security Bar              |

## Specifications

|                              |                                                                                                                                                                                                                                                                                                                   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Projection System            | DLP®                                                                                                                                                                                                                                                                                                              |
| Native Resolution            | 1080p (1920x1080)                                                                                                                                                                                                                                                                                                 |
| Brightness                   | 2,000 ANSI lumens                                                                                                                                                                                                                                                                                                 |
| Contrast Ratio               | 10,000:1                                                                                                                                                                                                                                                                                                          |
| Display Color                | 1.07 Billion Colors                                                                                                                                                                                                                                                                                               |
| Lens                         | F= 2.6-2.78, f=10.2-12.24mm                                                                                                                                                                                                                                                                                       |
| Aspect Ratio                 | Native 16:9 (5 aspect ratio selectable)                                                                                                                                                                                                                                                                           |
| Throw Ratio                  | 0.69-0.83 (65.7" @ 1M)                                                                                                                                                                                                                                                                                            |
| Image Size (Diagonal)        | 38"-300"                                                                                                                                                                                                                                                                                                          |
| Zoom Ratio                   | 1.2:1                                                                                                                                                                                                                                                                                                             |
| Lamp Type                    | 240W                                                                                                                                                                                                                                                                                                              |
| Lamp (Normal/Economic Mode)* | 3500/5000/6000 hours                                                                                                                                                                                                                                                                                              |
| Keystone Adjustment          | 1D, Vertical +/- 40 degrees                                                                                                                                                                                                                                                                                       |
| Projection Offset            | 105%±5%                                                                                                                                                                                                                                                                                                           |
| Resolution Support           | up to WUXGA                                                                                                                                                                                                                                                                                                       |
| Horizontal Frequency         | 15K-102KHz                                                                                                                                                                                                                                                                                                        |
| Vertical Scan Rate           | 23-120Hz                                                                                                                                                                                                                                                                                                          |
| Compatibility                | HDTV Compatibility: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p Video<br>Video Compatibility: NTSC, PAL, SECAM                                                                                                                                                                                                     |
| Interface                    | Computer in (D-sub 15pin) x 1<br>HDMI x 2<br>Composite Video in (RCA) x 1<br>S-Video in (Mini DIN 4pin) x 1<br>Component Video in x 1<br>Audio in (Mini Jack) x 1<br>Audio L/R in (RCA) x 1<br>Audio out (Mini Jack) x 1<br>Speaker 10W x 1<br>USB (Type Mini B) x 1<br>RS232 (DB-9pin) x 1<br>DC 12V Trigger x 1 |
| Dimensions (WxHxD)           | 12.2" x 4.09 x 9.6"                                                                                                                                                                                                                                                                                               |
| Weight                       | 6.2 lbs                                                                                                                                                                                                                                                                                                           |
| Power Supply                 | AC100 to 240 V, 50 to 60 Hz                                                                                                                                                                                                                                                                                       |
| Power Consumption            | 359W (max), Standby < 0.5W                                                                                                                                                                                                                                                                                        |
| Audible Noise                | 33/30 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 Mode                 | Dynamic / Standard / Cinema / 3D / User 1 / User 2 / User 3                                                                                                                                                                                                                                                       |
| Accessories (Standard)       | Remote Control w/ Battery, Power Cord, User Manual CD, Quick Start Guide, Warranty Card, VGA (D-sub 15pin) Cable, Carry Bag                                                                                                                                                                                       |
| Accessories (Optional)       | Spare Lamp Kit P/N: 5J.J7L05.001<br>Ceiling Mount P/N: 5J.J4N10.001<br>3D Glasses P/N: 5J.J7K25.001                                                                                                                                                                                                               |
| Limited Warranty             | 1 Year Parts/Labor; 180 days or 500 hours of lamp life.                                                                                                                                                                                                                                                           |

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



W1080ST 01-09-13-BQus



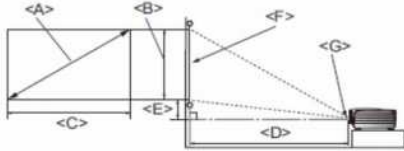
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# WI080ST Digital Projector

## Distance Chart

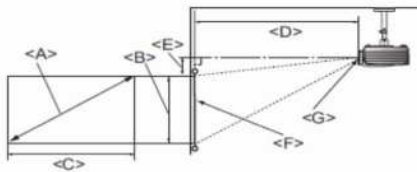
### Floor Installation



<F>: Screen

<G>: Center of lens

### Ceiling Installation



<F>: Screen

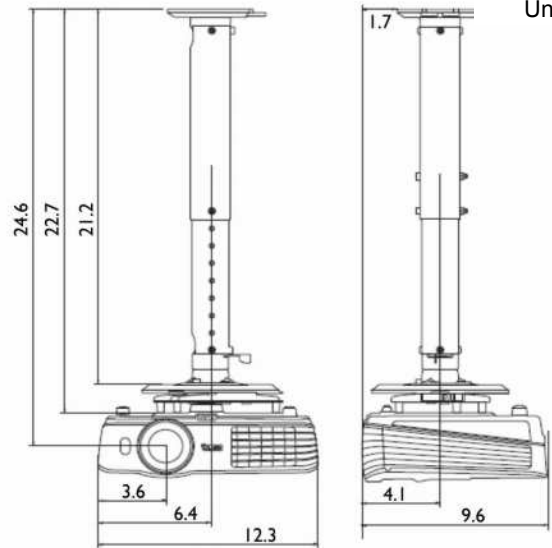
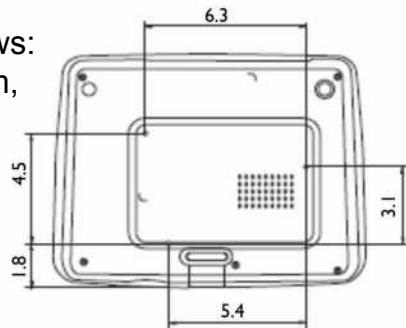
<G>: Center of lens

The screen aspect ratio is 16:9 and the projected picture is 16:9

| Screen Dimensions |      |                   |                  | Projection Distance <D> (inch) |         |                 | Lowest/Highest lens position <E> (inch) |
|-------------------|------|-------------------|------------------|--------------------------------|---------|-----------------|-----------------------------------------|
| Diagonal <A>      |      | Height <B> (inch) | Width <C> (inch) | Min Distance                   | Average | Max Distance    |                                         |
| Inch              | mm   |                   |                  | (with max zoom)                |         | (with min zoom) |                                         |
| 30                | 762  | 15                | 26               | 18                             | 20      | 22              | .35                                     |
| 40                | 1016 | 20                | 35               | 24                             | 26      | 28              | .47                                     |
| 50                | 1270 | 25                | 44               | 30                             | 33      | 36              | .62                                     |
| 60                | 1524 | 30                | 52               | 36                             | 40      | 43              | .74                                     |
| 70                | 1778 | 34                | 61               | 42                             | 46      | 50              | .86                                     |
| 80                | 2032 | 39                | 70               | 48                             | 53      | 58              | .98                                     |
| 90                | 2286 | 44                | 78               | 54                             | 60      | 65              | 1.1                                     |
| 100               | 2540 | 49                | 87               | 60                             | 66      | 72              | 1.2                                     |
| 110               | 2794 | 54                | 96               | 66                             | 73      | 80              | 1.3                                     |
| 120               | 3048 | 59                | 104              | 72                             | 80      | 86              | 1.4                                     |
| 130               | 3302 | 64                | 113              | 78                             | 86      | 94              | 1.6                                     |
| 140               | 3556 | 68                | 122              | 84                             | 92      | 101             | 1.7                                     |
| 150               | 3810 | 74                | 130              | 90                             | 98      | 108             | 1.8                                     |
| 160               | 4064 | 78                | 140              | 96                             | 105     | 115             | 1.9                                     |
| 170               | 4318 | 83                | 148              | 101                            | 112     | 122             | 2.1                                     |
| 180               | 4572 | 88                | 157              | 108                            | 119     | 129             | 2.2                                     |
| 190               | 4826 | 93                | 165              | 114                            | 125     | 137             | 2.3                                     |
| 200               | 5080 | 98                | 174              | 120                            | 132     | 144             | 2.4                                     |
| 250               | 6350 | 122               | 218              | 150                            | 164     | 180             | 3.1                                     |
| 300               | 7620 | 147               | 261              | 180                            | 198     | 216             | 3.7                                     |

## Ceiling Mount Chart

Ceiling Mount Screws:  
M4 (Max. L = 25 mm,  
Min. L = 20 mm)



Units: inch

## Dimensions

Units: inch

