

## 1-1 Product Highlights

- ◆ One panel 0.7" DMD XGA projection system with 1200 ANSI lumens (Average).
- ◆ 150 - Watt Compact P-VIP Lamp (user replaceable)
- ◆ High efficiency cooling system with low system acoustic noise level
- ◆ Light weight Approx. 3.5 lbs.
- ◆ Manual focus projection 1:1.2 zoom lens
- ◆ True 1024 x 768 resolution, 16.7M True colors
- ◆ With up, down, left, and right screen reverse
- ◆ Build-in full screen NTSC/PAL/SECAM video capability with S-video/Composite/component and HDTV terminals
- ◆ UXGA/SXGA+/SXGA/XGA/SVGA/VGA/MAC compatibility with one M1-DA input terminal
- ◆ Auto image re-sizing to 1024 x 768 full screen
- ◆ Auto detection of computer signal input
- ◆ Auto Image synchronization (Auto-tracking /frequency/position adjustment)
- ◆ Powerful enlarge and freeze function
- ◆ Automatically saves adjustments for future use
- ◆ On-screen menu with 11 languages
- ◆ Built-in one 2W speaker
- ◆ Self protect timer for hot re-strike of compact P-VIP lamp
- ◆ One M1-DA PC-data input ( Including Analog and Digital RGB signal )
- ◆ Wireless remote control with USB mouse function and laser pointer
- ◆ Adaptive voltage control fan speed

## 1-2 Technical Specification

### Mechanical Specifications

#### **Dimensions(WxHxD)**

Internal 8.86 x 7.28 x 2.6 ± 0.034 inches (225 x 185 x 66 ± 1 mm )  
External 9.4 x 7.4 x 2.9 ± 0.034 inches (234 x 189 x 74 ± 1 mm)

#### **Weight**

Approx. 3.5 lbs.

#### **Tilt Angle**

11 degree with elevator mechanism

#### **Keystone correction**

+/-16 degree (32 degree)

### Display Panel Specifications

1. TI DMD, 0.7" 12 degree DDR XGA Digital Mirror Device
2. Number of active dots : 1024(H) x 768(V)

### Regulation

#### **EMC**

FCC Part 15 Class B, CE - Class B, VCCI Class B, ICES-003,  
C-TICK, CCC

#### **Safety**

UL, CUL, TÜV—GS, NEMKO, GOST, PCBC, CCC, PSB, EZU,  
TÜV—S/Argentina, NOM, PSE

Electrical Specifications

**Power Supply**

Universal AC 100 - 240V ~ 50 / 60 Hz with PFC input  
150W Compact P-VIP Lamp  
Variance FAN speed control ( Depend on temperature variant)

**Input signal spec.**

Hsync Frequency 15 ~ 100 kHz  
Vsync Frequency 43 ~ 120 Hz  
Video Signal RGB (PC)  
*Analog RGB 0.7Vp-p, 75 ohm*  
*Analog RGB 1Vp-p, 75 ohm, Sync. signal*  
*Separate TTL H, V Sync.*  
*Composite TTL Sync.*

**Video**

*Composite video 1Vp-p, 75 ohm*  
*S-video Luminance 0.714Vp-p, 75 ohm*  
*Chrominance 0.286Vp-p, 75 ohm*

**Audio**

One 4-ohm, 2W, internal speaker  
3 Watts amplifier  
Input sensitivity 0.3Vrms.

**Power Consumption**

210W full power

*Optical Specifications*

<b>Projection lens</b>	F/ 2.44 ~ 2.69 , f = 28.8 ~ 34.5 mm. 1.2X Manual Zoom Lens. Throw Ratio = 2.0(Wide) ~ 2.4(Tele)
<b>Projection Image Size</b>	Adjustable from 24.8" to 292.8" (Diagonal)
<b>Throw Distance</b>	1.2m – 12m
<b>Brightness</b>	1320 ANSI Lumens ( "Max" ) 1200 ANSI Lumens ( Average ) 1020 ANSI Lumens ( Minimum )
<b>Contrast</b>	1300 :1 Typical (Full White and Black) 800 :1 Minimum (Full White and Black)
<b>Uniformity</b>	75% Typical (Japan standard) 65% Minimum (Japan Standard)

**Environmental**

**Temperature**

Operating: 10 - 40°C  
Storage: -20 - 60°C

**Maximum Humidity**

Operating: 10 - 40°C, 80%RH (Max.), non-condensing  
Storage: -20 - 60°C, 80%RH (Max.), non-condensing

**Acoustic noise level**

37 dBA ( Typical, Under 23 ± 2°C), noise measurement follows ISO 7779, A-weighted sound pressure level measurement

**Lamp life**

1500 hours typical, 50% survival rate

**Altitude**

Operating 0~2,500 ft 10°C~40°C  
2,500~5,000 ft 10°C~35°C  
5,000~10,000 ft 10°C~25°C  
Storage 40,000 ft

**MTBF**

Operating more than 10,000 hours ( 80% Confidence Level )