

Introduction

1-1 Product Highlights

- One panel 0.7" DDR XGADMD projection system with 1950[TBD] ANSI lumens (Typical) and 1750[TBD] ANSI lumens (minimum factory).
- 250 - Watt UHP Lamp (user replaceable)
- High efficiency cooling system with low system acoustic noise level
- Approx. 6.5 lbs.
- Manual focus projection 1:1.2 zoom lens
- True 1024x768 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 and one D-sub input terminals
- Auto image re-sizing to 1024x768 full screen
- Auto Vertical keystone correction
- PIP (Picture In Picture) for dual signal source display
- Horizontal keystone correction
- 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
- Self protect timer for hot re-strike of compact P-VIP lamp
- 2.4GHz RF remote control for projector and PC control
- Adaptive voltage control fan speed
- Adjustable time-delayed entry into standby mode
- Monitor loop through
- Stereo 2Watt speakers
- Optimized projection display settings for either conference use or home use
- Small LCD panel for real time display of projector status
- Smart lens cap
- Cordless remote control via UHF RF signal transmission
- Removable user purchasing option for compact flash memory card access

1-2 Mechanical Specifications

- Dimensions(LxWxH)
External : 11.1x9.3x3.7 +/- 0.04 inches (282.6x237.4x93.8 +/- 1mm)
Internal : 11.9x9.9x4.5 +/- 0.04 inches (302x251x114.5 +/- 1 mm)
- Weight : Approx. 6.5 lbs.
- Cooling System
Advanced air flow
Four fans with low system acoustic noise level
Temperature control circuits with adaptive voltage control fan speed
Max touch temperature follows UL1950 regulation
- Tilt Angle : 11° with elevator mechanism
- Keystone Correction : +/- 16° (32°) (the angle between the display border and the vertical line in maximum or minimum keystone adjustment)
- Lamp Door Protection
Lamp power supply shut off automatically when door open

1-3 Electrical Specifications

- Power Supply
Universal AC 90 to 240V at 50 to 60 Hz with PFC input
250W UHP Lamp
Variance FAN speed control (Depend on temperature variant)
- Input Signal Spec.
Hsync Frequency : 15 ~ 70 kHz
Vsync Frequency : 43 ~ 85 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
- Power Consumption : 310W(TBD) typical

1-4 Optical Specifications

- Projection lens : F/ 2.43~2.66, f= 28.0~33.6 mm. Zoomed Focal Lens.
- Projection Image Size : Adjustable from 28.4" to 294.4" (Diagonal)
- Throw Distance : 1.2m – 12m
- Brightness : Average 1950 ANSI Lumens
- Contrast Ratio : 1600:1 Typical (Full White and Black)
- Uniformity : 75% Typical (Japan standard)

1-5 Environmental

- Temperature :
Operating : 5 to 35°C
Storage : -20° to 60°C
- Maximum Humidity:
Operating : 10° to 40°C, 80%RH (max.), non-condensing
Storage : -20° to 60°C, 80%RH (max), non-condensing
- Acoustic Noise Level :
36 dB(A) at full power, 34dB(A) at Dim mode [240W] (typical @ 23 +/- 2° C)
- Lamp Life :
2000 hours Typical, 50% survival rate
- Altitude:
Operating : 0 ~ 2,500 ft 10~40° C
 2,500 ~ 5,000 ft 10~35° C
 5,000 ~ 10,000 ft 10~25° C
Storage : <40,000 ft
- MTBF : Operating more than 20,000 hours (90% Confidence Level)