




**TRUE-HD  
WXGA**

## Widescreen and High Definition at an Affordable Cost

The HD4000U is a widescreen, high definition and high brightness projector designed for wide-format presentation applications requiring a 16:9 wide aspect ratio. It produces bright, vivid colors with its support of BrilliantColor™ technology, and an impressive contrast ratio of 2500:1 for high detailed video images. This versatile projector brings widescreen imaging to both business and professional environments, while providing high brightness and excellent color and portability for users who want to bring it home for high definition family entertainment.



With its widescreen high definition support, the HD4000U is a premier choice for a wide range of environments to deliver an impressive presentation that is full of impact.

- Newly developed DLP™ data processor (DDP3020)
- Bright 2000 ANSI lumens and 2500:1 contrast ratio
- Native WXGA (1280 x 768) wide resolution
- BrilliantColor™ technology for radiant and natural-looking colors
- True-HD ready
- Digital keystone correction (vertical/horizontal)
- 10-bit signal processing ADC and Video decoder

# HD4000U

# WXGA DLP™ PROJECTOR



**DISPLAY TECHNOLOGY**  
0.65", 1-Chip DMD, 12 deg. LVDS, Dark Chip 2™ with DDP3020  
1280 x 768 (Total 983,040 pixels), 600 Video Lines

**RESOLUTION**  
2000 ANSI Lumens

**BRIGHTNESS**  
2500 : 1 (on/off)

**CONTRAST RATIO**  
Manual Focus & Zoom Lens

**ZOOM/FOCUS**  
Projection Lens  
F= 2.4-2.6

**PROJECTION LENS**  
1.63-1.97

**THROW RATIO**  
3:1 up (No variable lens shift)

**OFF SET AXIS**  
40-275 inches diagonal

**PICTURE SIZE**  
5 segment (R/G/B/W/Y)

**COLOR WHEEL**  
250W (Shut Off Time 2000 Hrs) with Low Mode (200W: Shut Off Time 4000 Hrs)

**SOURCE LAMP**  
Resolution: 640 x 480 - 1280 x 768 + Compressed 1280 x 1024,  
WXGA available (1280 x 768, 1280 x 800), Sync on Green available

**PC COMPATIBILITY**  
NTSC/NTSC 4.43/PAL (including PAL-M, N)/SECAM/PAL-60, Component Video: 480/p  
(525/p), 576/p (625/p), 720p (750p 50/60Hz), 1080i (1125i 60Hz), 1080i (1125i 50Hz),  
SCART (RGB + 1V sync)

**INPUT TERMINALS**  
RGB: Mini D-sub 15pin x 1, HDMI x 1  
Video: RCA x 1 + S-VIDEO x 1, RCA (Y, CB, CR) x 1  
Audio: N/A

**OUTPUT TERMINAL**  
12V Trigger Out; Stereo mini jack (ø 3.5mm) x 1

**COMMUNICATION TERMINAL**  
RS-232C (8pin) x 1 (Direct command is available), USB (Only for service)

**SCANNING RATE**  
[H] 15 - 80 kHz, [V] 50 - 85 Hz, [Dot Clock] max 110 MHz

**AUDIO SPEAKER**  
N/A

**HEIGHT ADJUSTER**  
One-Push Rear leg (-1 to 7 degree variable)

**HAND REMOTE UNIT**  
1) Projector fully control, 2) Back light key,  
3) Direct functions with AV memory

**POWER CONSUMPTION**  
340W/3.5A

**DIMENSION**  
12.2" x 3.9" x 9.6" (310 x 100 x 245 mm) (W x H x D)

**WEIGHT**  
6.5 lbs. (2.9 kg.)

**POWER REQUIREMENTS**  
AC 100-240V, 50/60 Hz

**FAN NOISE**  
37 dBA (Low mode: 31 dBA), sea-level

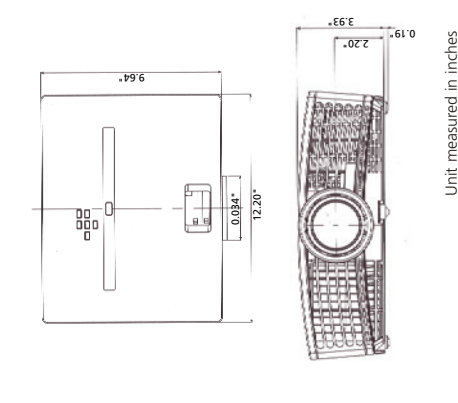
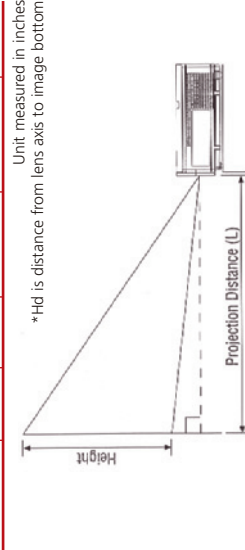
**SUPPLIED ACCESSORIES**  
• AC Power cable  
• RGB cable  
• RS-232C cable  
• Remote Unit (incl. Battery)  
• Quick Start Card  
• User Manual CD  
• Safety Manual  
• Light Shade Cover

**OPTIONAL ACCESSORIES**  
Replacement Lamp Bulb (VLF-HC900LP)

**WARRANTY**  
3-Years on Parts and Labor, 3-Year on ERA, 3-Years/10000-hours on TH-DLP™ DMD  
Chip, 90-Days on lamp

**OUTSTANDING FEATURES**  
• 0.65 WXGA LVDS DarkChip2  
• BrilliantColor™ Technology  
• 10bit signal processing ADC and Video decoder  
• Video Line Doubler (DDP3020:Edge Adapter Interpolation), 2:3/2:2 pull-down  
• 3D-Y/C  
• HDMI  
• AV Memory function  
• User adjustable gamma function  
• Screen Size select (WXGA, 720p, XGA, Cinema Scope)  
• Digital Lens shift (vertical)  
• Digital Keystone (horizontal/vertical)  
• 10 languages OSD  
• Password lock menu option

Diagonal Size	SCREEN		DISTANCE FROM SCREEN (L)		Hd*
	Height	Width	Max Zoom	Min Zoom	
40	19.6	34.8	88	56	6.6
60	29.4	52.3	103	85	9.9
80	38.2	69.7	139	114	13.8
100	49.0	87.2	174	143	16.9
150	73.5	130.7	262	216	24.7
200	98.1	174.3	349	289	32.9
250	122.8	217.9	-	362	41.2
275	134.8	238.7	-	398	45.3



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\*The projector lamp contains mercury. Please dispose of properly.  
PP60010-02/06-15M-LIHD4000U