



HL650U

THE BEST RECIPE FOR SHARPER IMAGES.

Sometimes it's the details that make all the difference – the HL650U lets you make the most of every detail. Its extremely high resolution guarantees the crystal-clear images you need e.g. for your CAD and CAM applications.

With 1400 x 1050 pixels and 3100 ANSI lumens, the HL650U meets the highest demands in image definition and brightness – whether for business presentations, education purposes or complex technical drawings. Thanks to a special anti-theft mechanism, it can be used at trade fairs without worry.

Despite all its high-performance features, the HL650U is exceptionally sturdy: it offers up to 5000 hours of operation without changing the lamp. And when the time does come, the Easy Lamp Access system lets you replace the lamp in an instant.

HIGHLIGHTS

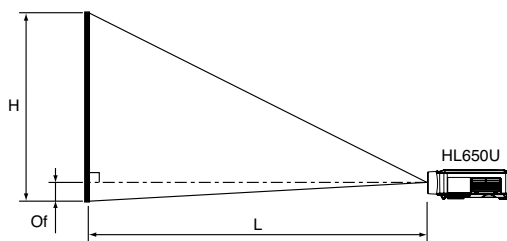
- 3 x 0.8" LCD technology
- 3100 ANSI lumens
- Resolution: SXGA+ (1400 x 1050 pixels)
- Anti-theft mechanism
- Lamp service life of up to 5000 hours
- Easy Lamp Access system



HL650U

Model	HL650U
Technology	3 x 0.8" LCD
Resolution	1400 x 1050 (total 1,470,000 pixels)
Brightness	3100 ANSI lumens
Contrast	600:1 (on/off)
Colors	16.77 million
Vertical Frequency (V-Sync)	50–120 Hz
Horizontal Frequency (H-Sync)	15–100 kHz
Band Width	up to 162 MHz
Projection Lamp	261 W
Lamp Life	approx. 5000 hours (low mode) ¹
Lens	F/1.7–1.9, f = 24–29 mm (zoom ratio 1.2:1)
Focus/Zoom	Manual focus and zoom
Throw Ratio	1.5–1.8:1
Picture Diagonal	1.02–7.62 m
Fan Noise	29 dB (low mode)
Audio Speaker	3 W Mono
PC Compatibility	640 x 480 to 1400 x 1050 pixels (compr. 1920 x 1080 pixels), Sync on green available
Video Compatibility	NTSC/NTSC 4.43, PAL (incl. PAL-M, N), PAL-60, SECAM, Comp. Video: 480i/p (525i/p), 576i/p (625i/p), 720p (750p, 50/60 Hz), 1080i (1125i, 50/60 Hz), 1080p (1125p, 50/60 Hz), SCART (RGB + 1 V-Sync)
Features	Color Enhancer, projector control by network LAN, Projector View, Wall-Screen function (for beige, blue, green, pink and black board), Picture-in-Picture (both pictures live), programmable start logo, Video-Line Doubler (2:3/2:2 pull-down), Digital Keystone Correction (vertical & horizontal), Digital Expand Zoom, PIN code protection, 10-language OSD, sRGB Mode, 3D Color Uniformity Correction, 3D Y/C Digital Comb Filter and 3D Noise Reduction, Security Anchor, Easy Lamp Access function
Input Terminals	PC (RGB): 2 x mini-D-sub 15-pin, 1 x DVI-D (with HDCP), PC-Audio: 2 x stereo-mini-jack (ø 3.5 mm), Video: 1 x RCA + 1 x S-Video, Video-Audio: 2 x RCA (L, R)
Output Terminals	PC (RGB): 1 x mini-D-sub 15-pin, Audio: 1 x stereo-mini-jack (ø 3.5 mm)
Communication Terminals	1 x LAN (RJ-45), RS-232C, D-sub 9-pin, USB for mouse cursor control
Remote Control	Complete operation of the projector, USB: mouse cursor control, PowerPoint page up/down via USB, high brightness laser pointer
Dimensions (W x H x D)	333 x 125 x 272 mm (excl. stand feet and lens ring)
Weight	4.9 kg
Power Consumption	approx. 380 W
Power Supply	AC 100–240 V, 50/60 Hz
Supplied Accessories	Cable set, remote control (incl. batteries), soft bag, multilingual operation manual (CD-ROM), safety manual incl. Quick-Start Card
Optional Accessories	Ceiling bracket, WLAN adapter

¹Depending on the operation environment and application. This is an average value given by the manufacturer based on ideal conditions.



Picture Size (4:3 format)			Distance from Screen (L)		Offset (Of)
Diagonal Size cm	Width cm	Height (H) cm	m/minimum with maximum zoom	m/maximum with minimum zoom	cm
102	81	61	1.2	1.4	6
152	122	91	1.8	2.2	9
203	163	122	2.4	2.9	12
254	203	152	3.0	3.6	15
381	305	229	4.5	5.5	23
508	406	305	6.0	7.3	31
635	508	381	7.6	9.1	38
762	610	457	9.1	–	46

(The right to make technical changes is reserved; no liability is accepted for printing or other errors)

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