

# Helios

Digital Light Valve Projector for Retro Enclosure



**Product specifications****HELIOS**

General specifications	
AC power	Power factor pre-regulated SMPS, 95 -230 VAC +-10% / 50-60Hz Power Consumption Max. 300 Watts Power dissipation < 1,000 BTU/hour
Communication	2 x D9 connectors for RS232 In/Out 1 x D9 connector for Com 800 1 x Mouse Out (DIN 13) 1 x Mini-jack for Wired Remote Control 2 x IR receivers (front + back)
Compatibility	Helios is compatible with: <ul style="list-style-type: none"><li>• All current video sources ( PAL, SECAM, NTSC 3.58, NTSC 4.43 ) in Composite, S-VHS, Component or RGB formats</li><li>• All currently proposed HDTV, extended and improved television standards (Eureka 95, Hi-vision, ACTV, IDTV, EDTV,...)</li><li>• All computer graphics formats from VGA, S-VGA, XGA to S-XGA</li><li>• Most Macintosh computers</li><li>• Electronic workstations with a resolution up to 2000 x 1280 pixels / 76 Hz</li><li>• Most sources with a pixel clock up to 200 MHz</li></ul>
Contrast ratio	>350 : 1 (full white/full black) >120 : 1 (5 x 4 ANSI checkerboard)
Inputs	1 x Configurable 5-Wire (BNC) for: Composite Video, S-Video, Component Video and RGB 1 x Video (BNC or RCA) 1 x S-Video (4-pin mini-DIN) 1 x VGA (D15 connector) 3 x Configurable Stereo Audio (RCA)
Lamp	120 Watts metal-halide arc lamp pre-aligned for max. light output Typical lifetime: 6,000 hours (Detailed information on different lamp types is available on request.)
LCD panels	3 active matrix poly-Si LCD panels (1.8" diagonal), with a resolution of 1280 x 1024 pixels (aspect ratio 5:4). LCD panels are selected for a minimum of pixel defects.
Light output	650 ANSI lumen Brightness uniformity: 90 % for the total screen
Remote control	All controls are accessible through a soft-touch panel or a new userfriendly backlit IR remote control: <ul style="list-style-type: none"><li>• Source switching</li><li>• User settings per source</li><li>• Installations and service adjustments</li></ul>
Safety Regulations	Compliant with UL1950 and EN60950 Electromagnetic Interference Helios complies with FCC rules & regulations, part 15 Class B and CE EN55022 Class B
Scan Frequencies	Horizontal 15 kHz -115 kHz Vertical 25 Hz -150 Hz
Special Features	<ul style="list-style-type: none"><li>• Auto-source recognition and configuration</li><li>• Extensive geometry adjustments (motorized zoom, focus and lens shift) can also be adjusted through the RS232 communication port</li><li>• Quick lens and lamp replacement</li><li>• Adjustable leveling feet</li><li>• Connectors at the front for almost invisible cable routing</li><li>• Built-in 2 x 3 Watt stereo audio amplifier and speakers</li><li>• Color temperature adjustment (Broadcast 3200° K, Film 5400° K, Video 6500° K, Computer 9500° K or Custom)</li><li>• External auto-diagnostics with a 2 x 7 segment LED display</li><li>• User adjustable Automatic standby (after 5/15/30/60 min. or off)</li><li>• Easy upgradeable projector firmware via RS232</li><li>• Optional LCD control software to control up to 256 projectors from one PC</li></ul>

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