Interactive Series

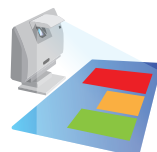## Designed with business users in mind, the 8108HWI brings interactivity to the work place in an all-in-one ultra short throw solution.

WHITE LIGHT OUTPUT **2500** **COLOR** LIGHT OUTPUT

2,500 lumens of white light output in conjunction with equal color light output project bright, clear, true to life images in any classroom or conference room.

Tabletop mounting makes any tabletop a projection screen using the optional tabletop stand. Ideal for a small group environment or in a room with limited space.

Featuring an ultra short throw lens which will project a 80" image at 20" from edge of projector. This not only prevents shadows caused by obstructions but also means no shadows and no light shining in the presenter's eyes.

Dukane's Interactive Series Projectors serve as an all-in-one solution for sharing ideas. Users can manipulate the images on the board using a pen that includes right and left click functionality like a common mouse. Create, annotate and present all at one time using the included software.

Advantage Highlights

Interactive Business Software

Ultra Sonic and IR Sensor

Perfect Fit 2

Input Source Naming

Transition Detector and Security Bar

Microphone Input

Display via USB

Template Function

IR Remote Frequency Change

MyButton / MySource - Doc Camera

PIN Lock / MyScreen / MyText

Serial Number and MAC Address Label on Side

Closed Captioning

Specification Highlights

WXGA Resolution (1280 x 800)

White Light Output: 2,500 ANSI Lumens

Color Light Output: 2,500 ANSI Lumens

4,000 Hour Hybrid Filter

6,000 Hour Lamp Life (Eco Mode)*

2000:1 Contrast Ratio (Using Active Iris)

10 Watt Audio Output

HDMI (HDCP Compliant)

29 dB (Eco Mode)

9.1 Lbs.

Less Than 1W in Power Saving Standby Mode

5 YEAR warranty

3LCD

DUKANE

6,000 Hour Lamp Life (Eco mode)*

Another key to low total cost of ownership is a long life lamp. The lamp is rated at 3,000 hours in standard mode and 6,000 hours in Eco mode.

Hybrid Filter (4,000 hours between maintenance)**

Dukane's hybrid filter consists of a two-stage, layered design and an electrostatic filter, providing dust protection for up to 4,000 hours.

Interactive Business Software

Interactive business software was created with the corporate user in mind. Easy access to functions such as print, email and save make the interactive business software ideal for any office environment.

Ultra Sonic and IR Sensor

For better performance, both an IR sensor and ultra sonic technology are used. This increases reliability and provides a more natural writing experience.

Perfect Fit 2

PF 2

Perfect Fit 2 enables the user to adjust individual corners and sides independent of one another. Perfect Fit 2 provides vertical and horizontal digital correction of either barrel or pin cushion distortions. This feature helps correct geometric and complicated distortions. Perfect Fit 2 allows the projected image to fit correctly to the screen quickly and easily.

Input Source Naming

Laptop
DVD Player
Document Camera

Users can name input sources in simple language instead of factory default name.

Transition Detector and Security Bar

A security sensor located inside the projector recognizes when the projector has been moved. Moving the projector without using the correct PIN code will disable the projector.

Microphone Input

Research studies have shown that the use of microphones improve classroom test scores. The 8108HWI provides a dedicated microphone jack that even works in standby mode.

Display via USB

Connect to your computer using the USB port.

Template Function

Line templates in the projector menu can help when writing on a whiteboard. There are four types \of line templates to choose from.

Interactive Series

IR Remote Frequency Change

To avoid conflict with fluorescent lights or IrDA (IR signal) from notebook PC, the frequency of the IR remote control can be changed from the menu.

MyButton / MySource - Doc Camera

MyButton

Two customizable buttons on the remote control allow users to create a shortcut for any projector command such as: Direct input (RGB1, S-video, etc.), picture mode or filter reset. For connection to a document camera, MySource allows users to add a third document camera source button.

PIN Lock / MyScreen / MyText

PIN lock protection can limit projector users. MyScreen PIN lock keeps captured images on the startup screen. Users can set a school's name or company's logo to MyScreen, clearly identifying ownership. MyText provides the ability to write text on the startup screen such as model name, serial number or location.

Serial Number and MAC Address Label on Side

Serial #

A label is affixed to side of projector to more easily access and read the model name and serial number while mounted in ceiling use. This is a convenience for installers, end user and auditors for instant accessibility.

Closed Captioning

CC

Closed captioning lets viewers see captions that tell them what is being said or heard on the projector. Support modes CC1, CC2, CC3, CC4, T1, T2, T3, T4.

10 Watt Audio Output

10W audio output eliminates the need to connect external speakers.

HDMI Input (HDCP)

HDMI Digital connectivity allows for highest image quality from your HD device. Compliancy with HDCP.

Power Saving Standby Mode

Power saving mode reduces the standby power consumption to less than 1W.

5 Year Limited Warranty

5 YEAR warranty

Five (5) year limited warranty plus Dukane's 1 year Peace of Mind Loaner Program.

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Education. Presentation. Inspiration.

* Actual lamp life will vary by individual lamp and based on environmental conditions, selected operating mode, user settings and usage. Hours of average lamp life specified are not guaranteed and do not constitute part of the product or lamp warranty. Lamp brightness decreases over time.

** Actual filter life will vary by individual filter and based on environmental conditions, selected operating mode, user settings and usage. Hours of average filter life specified are not guaranteed and do not constitute part of the product warranty.

Projection Throw Chart

Aspect Ratio 16:10

Screen Diagonal	Distance from Leading Edge of Projector to Screen	Distance from Mirror to Screen
60"	4.7"	16.8"
70"	7.4"	19.4"
80"	10.1"	22.1"
90"	12.8"	24.9"
100"	15.4"	27.5"

Throw Ratio from Edge of Projector: 0.1:1
Throw Ratio from Mirror: 0.3:1

Disclaimer: Please use this throw distance calculator for reference purpose only. For permanent installation purpose, we recommended that you assume 10% calculation margin of error or to test the unit on site.

Input/Output Terminals

3LCD Technology

CC Closed Captioning

5 Year Warranty

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Interactive Series

Specifications	
Projection Technology	3LCD, 3 chip technology
Number of Pixels	1,024,000 pixels
Resolution	
Video	540 TV lines
RGB	1280 dots X 800 lines
Colors	16.7 million colors
Aspect Ratio	Native 16:10/4:3 compatible
Lens	F = 4.1 mm
Throw Ratio (distance : width)	0.3 : 1
Lamp	210W @ Intelligent Eco mode
White Light Output	2,500 ANSI lumens
Color Light Output	2,500 ANSI lumens
Expected Lamp Life	Approximately 3,000 hours (standard mode), 6,000 hours (Eco mode)*
Contrast Ratio	2000 : 1 (using active IRIS)
Speaker Output	10W
Power Supply	AC90 - 132V / AC198 - 264V 50/60 Hz power
Power Consumption	310W
Operating Temperature	41°F - 95°F (5°C - 35°C)
Input Signals	
RGB	VGA, SVGA,XGA, WXGA, WXGA+, SXGA, WSXGA+, UXGA, MAC 16"
Composite Video	NTSC, PAL, SECAM, PAL-M, N/ NTSC4.43
Component Video	480i, 576i, 480p, 720p, 1080i, 1080p
HDMI	480i, 576i, 480p, 720p,1080i, 1080p, computer signal — TMDS clock
Acoustic Noise Level	34 dB (28 dB in Eco mode)
H-Sync	15 kHz - 106 kHz
V-Sync	50 Hz - 120 Hz
Approvals	UL, C-UL, FCC, CE, RoHS
RGB Input	
Analog RGB	15-pin D-sub connector x 2
RGB Output	
RGB	15-pin D-sub connector x 1
Digital Input	HDMI x 1
Video Input	
S-Video	Mini DIN 4-pin connector x 1
Composite Video	RCA jack x 1
Component Video	15-pin D-sub connector (shared with analog RGB)
Audio	
Input	3.5 mm stereo mini jack x 2, RCA jack (L,R) x 1, mic in 3.5 mm mini jack x 1 (mono, unbalanced)
Output	RCA (L/R) x 1 pair
Ethernet	RJ-45 port / 100 base-T
Control Terminals	9-pin D-sub connector x 1 (RS-232 control)
Dimensions (W x D x H)	13.6" x 11.9" x 4.0" / Shipping 19" x 17" x 9"
Weight	9.1 lbs. / Shipping 19 lbs.
Closed Captioning	CC1, CC2, CC3, CC4, T1, T2, T3, T4
Supplied Accessories	Remote control with two AA batteries, power cord, computer cable, USB cable, interactive pen** with two AAA batteries and the tip of the pen for exchange, cable cover, user's manuals, security label, application software (CD x 1, DVD x 1), sensor cover
Optional Accessories	AW250NWALLARM, A3WALLARM, TT-251 tabletop stand
Replacement Parts	
Interactive Pen	I-PEN2
Lamp	456-8104HWA
Remote Control	HL02772
Filter	UX37191
System Requirements for Software	
CPU	Intel Core 2 Duo 2.0 GHz or faster
Free Hard Drive Space	2GB or more
Free Memory	1GB or more

Five (5) year limited warranty plus Dukane's 1 year Peace of Mind Loaner Program.

Specifications subject to change without notice.