

**5,000 ANSI lumens projector designed for academic achievement in larger classrooms, corporate boardrooms and campus standard.**



## Key Features

- WXGA 1280 x 800 resolution
- 5,000 ANSI lumens white/color output
- 16,000:1 contrast ratio
- 4,500 hours lamp life (Standard mode)  
6,000 hours lamp life (Eco mode)\*
- 10,000 hours hybrid filter\*\*
- HDCR / Accentualizer / Image Optimizer
- Convenient Networking / Wireless Capability
- Mobile High-Definition (MHL™)

The 8950W combines WXGA 1280 x 800 resolution with super-bright 5,000 ANSI lumens white/color light output for a stunning visual achievement. It can transform classrooms, lecture halls, and auditoriums into true learning centers. Incorporating Dukane's leading-edge technology, the 8950W features an image-enhancing combination of Accentualizer, High Dynamic Contrast Range (HDCR) and Image Optimizer, all of which contribute to the overall visual experience. Plus, Dukane's Intelligent Eco and Saver Modes with ImageCare combines optimal picture performance with maximum energy savings for a lower cost of ownership. For added peace of mind, Dukane's 8950W is also backed by a generous warranty and our world-class service and support programs.

## DUKANE CORP

Audio Visual Products  
2900 Dukane Drive, St. Charles, Illinois 60174  
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# 8950W

## UNIQUE FEATURES

### Accentualizer

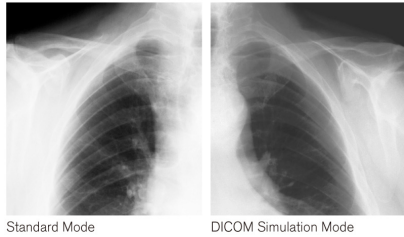
Dukane original technology makes pictures look more real by enhancing sharpness, gloss and shade to make pictures as clear as pictures on a flat-panel device. You can also adjust the effects by three levels according to your surroundings so that the colors of projected images are the actual colors of the objects they represent.



### DICOM® Simulation Mode

The DICOM (Digital Imaging and Communications in Medicine) Simulation Mode projects grayscale images which approximate DICOM Part 14 specifications. This mode is ideal for viewing grayscale medical images, such as X-rays, for training and educational purposes.

The projectors have a DICOM (Digital Imaging and Communications in Medicine) Simulation Mode. This mode simulates the DICOM standard, which is a standard applicable to digital communications in medicine, and is useful for displaying medical images such as X-rays. These projectors are not medical devices and are not compliant with the DICOM standard, and neither the projector nor the DICOM Simulation Mode should be used for medical diagnosis. Comparison photos are simulations.



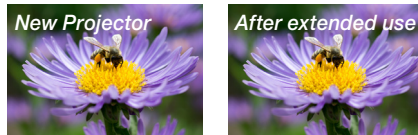
### HDRCR (High Dynamic Contrast Range)

When average projectors are used in bright rooms, the darker colors of an image deteriorate and images become unclear. Using this function, blurred images caused by room lighting or outside light sources are corrected, and an effect similar to increasing contrast occurs. This results in clear images even in bright rooms.



### Image Optimizer

The Image Optimizer automatically adjusts HDRCR and Accentualizer to improve visibility as lamp brightness dims over time.



## UNIQUE FEATURES (cont'd)

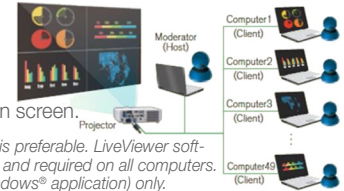
### MHL™

MHL (Mobile High-Definition) allows users to mirror their phone/tablet screen with the projector display. It is compatible with any and all apps.



### Moderator Control Mode

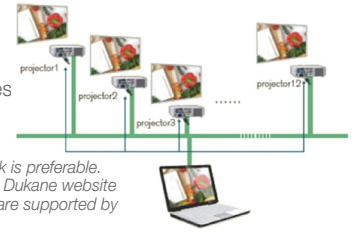
Using Moderator Control Mode, up to 50 computers can be connected to the projector and the moderator (host) can choose which images to display on screen.



To secure better performance, a wired network is preferable. LiveViewer software is downloadable from the Dukane website and required on all computers. The functions are supported by LiveViewer (Windows® application) only. Image transfer speed may vary depending on number of projectors connected.

### Multi Projector

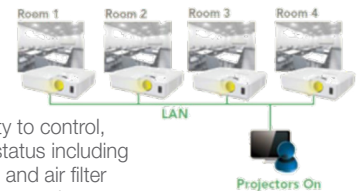
You can project the same image from up to 12 projectors simultaneously. This is useful for meetings and lectures in large venues where a single screen would not be sufficient.



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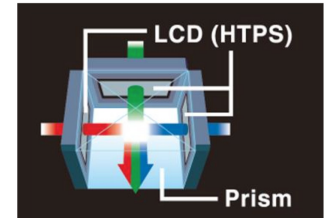
### Projector Monitoring and Control from a Remote Location

Dukane's Projector Management Software (PJMan) gives you the ability to control, diagnose and manage (monitor the status including power, lamp hours, and temperature and air filter conditions) a single or group of Dukane projectors.



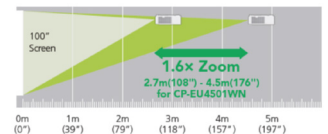
### 3LCD Chips with Inorganic Alignment Layers

This Dukane LCD projector incorporates three LCD panels with inorganic alignment layers that are extremely light resistant, increasing brightness and contrast ratio. They ensure smooth images and high reliability. (HTPS : High Temperature Poly-Silicon)



### 1.6 x Zoom Lens

Featuring a powerful 1.6x manual zoom lens, the projector allows for a greater range of installation possibilities.



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## STANDARD FEATURES

**Cloning Function:** Copy configuration settings from one projector to others of the same model via USB memory. Cloning not only saves almost all PJ settings such as gamma and keystone via USB memory, it saves countless hours in setup and installation.

**Easy Event Scheduling:** You can schedule routine and special projector events, including power on, power off, input selection and other settings.

**E-mail Alerts:** E-mail notification is sent for routine maintenance and error conditions.

**Network Control, Maintenance and Security:** Embedded networking gives you the ability to manage and control multiple projectors over your LAN. Features include scheduling of events, centralized reporting, image transfer and e-mail alerts for reactive and routine maintenance.

**PC-Less Presentation:** By using a USB memory stick or other storage device, you can use the projector without a computer. Menus are easy to see with a thumbnail display. There is also a slideshow function. This feature also supports the following file types: JPG, PNG, BMP, GIF, AVI, and MOV — frame rate is under 12fps 640 x 480.

**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.

**PIN Lock / MyScreen / MyText:** PIN lock protection can limit projector users. MyScreen PIN lock keeps captured images on the startup screen. Users can set any name 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.

**PJMessenger:** PJMessenger function allows you to send and display text messages and audio alerts on your networked projectors. It is an easy and efficient way to send announcements out to multiple units.

**Present Content via LAN:** Dukane's suite of networking software allows you to easily send content directly from your PC to the projector via your LAN connection.

### Projector Quick Connection App For Mobile

**Devices:** Our iOS and Android application offers full projector control and also provides the capability to display photos, document files and web site contents. Available for iPad®, iPhone® and Android devices. Works over your LAN via your RJ-45 port or via an optional USBWL11N wireless adapter.

**Wireless Presentation Compatible:** Connect the projector to a computer or your network using the optional USB wireless adapter (part number USBWL11N). The adapter supports IEEE802.11b/g and 11n.



Front View



Ceiling Mount



Rear View



Right Side

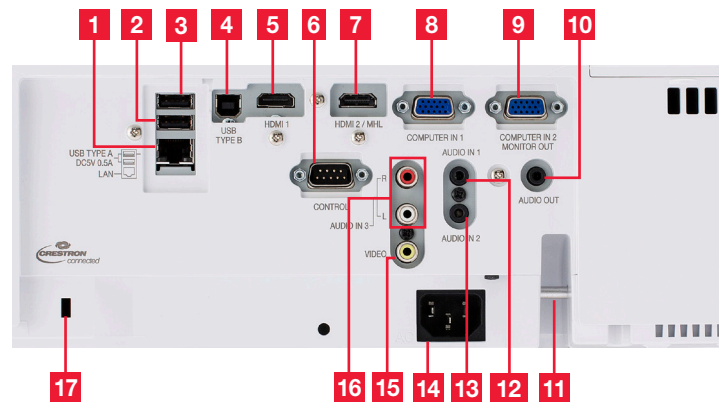


Top View



Left Side

## Input/Outputs



- |                      |                    |                      |
|----------------------|--------------------|----------------------|
| 1. LAN               | 7. HDMI 2 / MHL    | 12. Audio In 1       |
| 2. USB Type A        | 8. Computer In 1   | 13. Audio In 2       |
| 3. USB Type A        | 9. Computer In 2 / | 14. AC Power         |
| 4. USB Type B        | Monitor Out        | 15. Video            |
| 5. HDMI 1            | 10. Audio Out      | 16. Audio In 3 (L/R) |
| 6. Control (RS-232C) | 11. Security Bar   | 17. Kensington Lock  |

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## Accessories and Lenses

<b>Supplied Accessories</b>	Remote control, power cord, computer cable, 2 AA batteries, lens cover, adapter cover, security label
<b>Optional Accessories</b>	USBWL11N USB wireless adapter
<b>Replacement Parts</b>	
<b>Lamp</b>	456-8945WU
<b>Remote Control</b>	HL03037
<b>Filter</b>	UX41161

## Projection Throw Chart (In inches)

Screen Size	16:10	Throw Distance			
		Diagonal	Width	Min	Max
30	25	33	55		
60	51	69	113		
80	68	93	152		
100	85	117	191		
200	170	238	385		
300	254	358	579		

Throw Ratio: 1.4 - 2.3 :1 (distance : width)

## Specifications

Display	<b>Projection Technology</b>	3LCD, 3 chip technology
	<b>Resolution</b>	WXGA 1280 x 800
	<b>White Light Output</b>	5,000 ANSI lumens
	<b>Color Light Output</b>	5,000 ANSI lumens
	<b>Colors</b>	16.7 million colors
	<b>Aspect Ratio</b>	Native 16:10, 4:3 and 16:9 compatible
	<b>Contrast Ratio</b>	16,000 : 1
Lens & Operation	<b>Throw Ratio</b> (distance : width)	1.4 - 2.3 : 1
	<b>Focus Distance</b>	35.4" - 582.7"
	<b>Display Size</b>	30" - 300"
	<b>Lens</b>	Manual zoom x 1.6, manual focus
	<b>Lamp Wattage</b>	280W
	<b>Expected Lamp Life*</b>	Approximately 4,500 hours (Standard mode) 6,000 hours (Eco mode)
	<b>Expected Filter Life**</b>	Approximately 10,000 hours
Compatibility	<b>Speaker Output</b>	16W
	<b>Keystone</b>	H and V: +/- 30°
	<b>Computer</b>	VGA, SVGA, XGA, WXGA, SXGA/WSXGA+/HD/UXGA, MAC 16"
	<b>H-Sync</b>	15 kHz - 106 kHz
	<b>V-Sync</b>	50 Hz - 120 Hz
	<b>Composite Video</b>	NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM
	<b>Component Video</b>	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
Connectors	<b>HDMI</b>	480i, 480p, 576i, 576p, 720p, 1080i, 1080p Computer signal TMDS clock 25 MHz - 162 MHz
	<b>MHL</b>	480i, 480p, 576i, 576p, 720p, 1080i, 1080p Computer signals TMDS clock 25 MHz - 75 MHz
	<b>Digital Input</b>	HDMI x 1, HDMI/MHL x 1
	<b>Computer Input 1</b>	15-pin mini D-sub x 1
	<b>Computer Input 2</b>	15-pin mini D-sub x 1 (shared with monitor out)
	<b>Computer Monitor Output</b>	15-pin mini D-sub x 1 (shared with computer in 2)
	<b>Video Input</b>	
Ratings & Warranty	Composite Video	RCA jack x 1
	Component Video	15-pin mini D-sub x 1
	<b>Audio Input</b>	3.5 mm stereo mini jack x 2, RCA jack (L/R) x 1
	<b>Audio Output</b>	3.5 mm stereo mini jack x 1
	<b>Network (LAN) Wired</b>	RJ-45 port (10 base-T / 100 base-TX)
	<b>Network (LAN) Wireless</b>	USB-A, IEEE802.11 b/g/n - optional wireless adapter required
	<b>USB</b>	Type A x 2 (PC-less presentation, wireless network) Type B x 1 (Remote control mouse or PC screen display)
<b>Control Terminals</b>	9-pin D-sub x 1 (RS-232 control)	
Ratings & Warranty	<b>Power Supply</b>	AC 100-120V/220-240V, 50/60Hz
	<b>Power Consumption</b>	400W / 390W
	<b>Operating Temperature</b>	41°F - 95°F (5°C - 35°C)
	<b>Dimensions (W x D x H)</b>	16.0" x 12.3" x 4.3" (excluding protruding parts) Shipping 19.0" x 16.0" x 9.0" (estimated)
	<b>Weight</b>	Approximately 11.7 lbs. / Shipping 16.0 lbs. (estimated)
	<b>Approvals</b>	UL 60950-1 / cUL FCC Part 15 subpart B class A
	<b>Warranty</b>	Five (5) year limited warranty plus Dukane's 1 year Peace of Mind Loaner Program.
<b>UPC</b>	605194006724	

\* 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.



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