

**High performance LCD projector captures attention in classrooms or conference rooms with dynamic images and 3,300 ANSI lumens.**



## Key Features

- XGA 1024 x 768 resolution
- 3,300 ANSI lumens brightness
- 16 watt audio output
- 20,000:1 contrast ratio
- HDMI x 2 inputs
- 12,500 hours lamp life (Eco mode)\*
- 10,000 hours hybrid filter\*\*
- HDCR2/Accentualizer
- Image Optimizer
- Perfect Fit 2

From the classroom to the conference room, Dukane's 8933B LCD projector combines superior image clarity, high quality value, and long-life reliability. Bright, vivid colors with razor-sharp text and bold graphics will truly enhance any lesson or meeting and make it more memorable. For greater installation convenience, the 8933B has a cloning function which enables you to copy configuration settings from one projector to others of the same model via USB memory. The 8933B also includes our iOS application Projector Quick Connection App which offers simple control options including sending photo and document files and web site contents to the projector. Dukane's ImageCare combines optimal picture performance with maximum energy savings for a lower total cost of ownership. For added peace of mind, Dukane's 8933B is also backed by a generous warranty and our worldclass service and support programs, plus a special 5 year or 10,000 hour lamp warranty.

## DUKANE CORP.

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# 8933B

## UNIQUE FEATURES

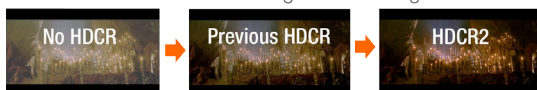
### Accentualizer

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.



### HDCR2 (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. The recent enhancement to HDCR2 achieves not only auto tone enhancement but also auto color enhancement. This results in clear and vivid images even in bright rooms.



### Cloning Function



Copy configuration settings from one projector to others of the same model via USB memory. Cloning can save almost all PJ settings such as gamma and keystone via USB memory.

### ImageCare Technology



ImageCare is a lamp power control function that combines optimal picture performance with maximum energy savings by decreasing energy usage, improving contrast ratio and lengthening lamp life. The result is a lower total cost of ownership and decreased maintenance cost.

### Image Optimizer



Image Optimizer automatically adjusts HDCR2 and Accentualizer to improve visibility as lamp brightness dims over time.

### Saver Modes



Automatically changes the brightness of the lamp if there is no change in the screen image. Using ImageCare technology, this feature gives optimal picture performance with maximum energy savings.

### 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.

### Projector Quick Connection App For Mobile Devices



Our iOS 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 USBWL5G wireless adapter.

## STANDARD FEATURES

### Input Source Naming



Users can rename input sources in more descriptive terms instead of the factory default names.

### 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.

### 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.

### Serial Number and Media Access Control Label



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

### Wireless Presentation Compatible



Connect the projector to a computer or your network using the optional USB wireless adapter (part number USBWL5G). The adapter supports IEEE802.11 a/b/g/n/ac.

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# 8933B LCD Projector



## Long-life reliability with a lower total cost of ownership.

From classrooms to conference rooms, Dukane's 8933B can make a big impact on your audience. With 3,300 ANSI lumens brightness and XGA 1024 x 768 resolution, the 8933B is designed to make any message more memorable with colorful images, crisp text, and powerfully clear audio. Incorporating



Dukane's leading-edge technology, the 8933B features high contrast ratio, long lamp life, cloning function enabling you to copy configuration settings from one projector to others of the same model, and is wireless presentation compatible. Plus, embedded networking gives you the ability to manage and control multiple projectors over your LAN (scheduling of events, centralized reporting, image transfer, and e-mail alerts). Even with the the array of advanced features, Dukane's 8933B is designed for user-friendly operation and installation convenience.



Front View



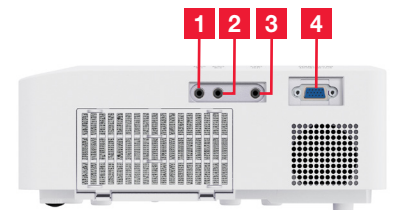
Ceiling Mount



Top View

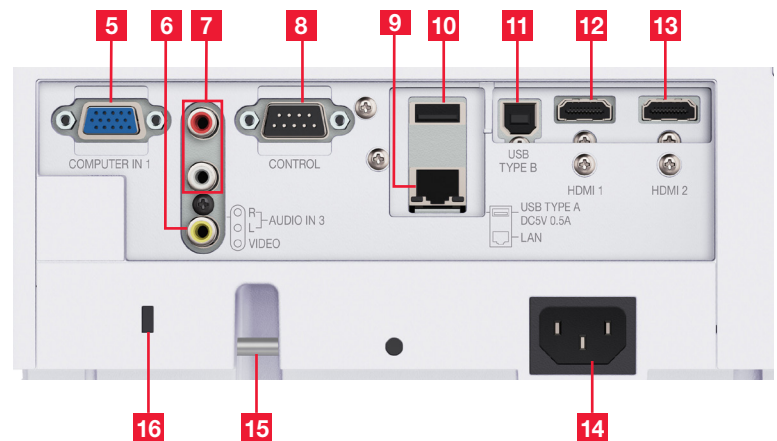


Right Profile



Left Profile

## Input/Outputs



- |                                  |                          |                     |
|----------------------------------|--------------------------|---------------------|
| 1. Audio In 1                    | 6. Video                 | 12. HDMI 1          |
| 2. Audio In 2                    | 7. Audio in 3 (L/R)      | 13. HDMI 2          |
| 3. Audio Out                     | 8. Control (RS-232C)     | 14. AC              |
| 4. Computer In 2/<br>Monitor Out | 9. LAN                   | 15. Security Bar    |
| 5. Computer in 1                 | 10. USB Type A DC5V 0.5A | 16. Kensington Lock |
|                                  | 11. USB Type B           |                     |

# 8933B

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# 8933B LCD Projector



## Accessories and Lenses

<b>Supplied Accessories</b>	Remote control, power cord, computer cable, AA batteries x 2, lens cover x 1, adapter cover, security label
<b>Optional Accessories</b>	USBWL5G wireless adapter
<b>Optional Lenses</b>	NA

## Replacement Parts

<b>Lamp</b>	456-8933B
<b>Remote Control</b>	HL03037
<b>Filter</b>	UX39561

## Projection Throw Chart

Screen Size 16:10		Throw Distance	
Diagonal	Width	Min	Max
30	24	33	40
60	48	69	83
80	64	93	112
100	80	116	140
200	160	236	284
300	240	355	427

Throw Ratio: 1.5 - 1.8 : 1 (distance : width)  
Screen size and throw distance are measured in inches.

## Specifications

Display	<b>Projection Technology</b>	3LCD, 3 chip technology
	<b>Resolution</b>	XGA - 1024 x 768
	<b>White Light Output</b>	3,300 ANSI lumens
	<b>Color Light Output</b>	3,300 ANSI lumens
	<b>Colors</b>	16.7 million colors
	<b>Aspect Ratio</b>	Native 4:3 and 16:9 / 16:10 / 14:9 / zoom compatible
	<b>Contrast Ratio</b>	20,000 : 1 (using active IRIS)
	<b>Throw Ratio</b> (distance : width)	1.5 - 1.8 : 1
Lens & Operation	<b>Focus Distance</b>	33" - 427"
	<b>Display Size</b>	30" - 300"
	<b>Lens</b>	f = 19 - 23 mm, x 1.2 manual zoom and focus
	<b>Lamp Wattage</b>	230W
	<b>Expected Lamp Life*</b>	Approximately 6,000 hours (standard mode) 12,500 hours (eco mode)
Compatibility	<b>Expected Filter Life**</b>	Approximately 10,000 hours
	<b>Speaker Output</b>	16W
	<b>Keystone</b>	H and V: +/- 30°
	<b>Computer</b>	VGA, SVGA, XGA, WXGA, SXGA/SXGA+/HD/UXGA (compressed), Mac 16"
	<b>H-Sync</b>	15 kHz - 106 kHz
Connectors	<b>V-Sync</b>	56 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
	<b>HDMI</b>	480i, 480p, 576i, 576p, 720p, 1080i, 1080p Computer signal TMDS Clock 25 MHz - 162 MHz
	<b>Digital Input</b>	HDMI x 2 (HDCP compliant)
	<b>Computer Input 1</b>	15-pin mini D-sub x 1 (shared with analog component video input)
	<b>Computer Input 2</b>	15-pin mini D-sub x 1 (shared with analog component video input and monitor out)
	<b>Computer Monitor Output</b>	15-pin mini D-sub x 1 (shared with computer in 2 and analog component video input)
	<b>Video Input</b>	
	Composite Video	RCA jack x 1
	Component Video	15-pin mini D-sub x 2 (shared with computer in 1, in 2/monitor out)
	<b>Audio Input</b>	3.5 mm stereo mini jack x 2, RCA jack (L/R) x 1
	<b>Audio Output</b>	3.5mm 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 a/b/g/n/ac - optional wireless adapter required
Ratings & Warranty	<b>USB</b>	Type A x 1 (PC-less presentation or wireless adapter) Type B x 1 (Remote control mouse or PC screen display)
	<b>Control Terminals</b>	9-pin D-sub x 1 (RS-232 control)
	<b>Power Supply</b>	AC100-120V / AC220-240V, 50/60Hz
	<b>Power Consumption</b>	320W / 310W
	<b>Operating Temperature</b>	32°F - 95°F (0°C - 35°C)
	<b>Dimensions (W x D x H)</b>	13.7" x 10.4" x 3.5" (excluding protrusions) Shipping 17.0" x 15.0" x 8.0"
	<b>Weight</b>	Approximately 7.9 lbs. / Shipping 15.0 lbs.
	<b>Approvals</b>	UL 60950-1 / cUL FCC Part 15 subpart B class B
Ratings & Warranty	<b>Warranty</b>	Five (5) year limited warranty plus Dukane's 1 year Peace of Mind Loaner Program. 5 years or 10,000 hours light source.
	<b>UPC</b>	605194006922

\* Actual lamp life will vary by individual lamp 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 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.



All specifications subject to change without notice.  
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