

**Fully featured short throw  
LCD projector with network capabilities  
and a low operating cost all in a  
portable design.**



## Key Features

- XGA 1024 x 768 resolution
- 3,200 ANSI lumens white/color output
- 16 watt audio output
- 10,000:1 contrast ratio
- HDMI x 2 inputs
- HDCR/Accentualizer
- 10,000 hours lamp life (Eco-2 mode)\*
- Projector Quick Connect iOS and Android App
- Image Optimizer

Dukane's 8232 short throw LCD projector combines an array of advanced features in a compact, portable design perfectly suited for classrooms of any size. Small in size, but big on performance, the 8232 provides vibrant image quality, cost-effective operation, and long-lasting reliability. The 8232 incorporates HDCR and Accentualizer, which enhance the image quality and the Image Optimizer automatically adjusts to keep a clear picture. Plus, Dukane's Intelligent Eco Mode-2 with ImageCare combines optimal picture performance with energy savings for a lower total cost of ownership. For added peace of mind, Dukane's 8232 is also backed by a generous warranty and our world-class service and support programs.

## DUKANE CORP

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# 8232

## UNIQUE FEATURES

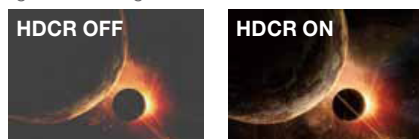
### Accentualizer

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.



### HDCR (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.



### 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.

### Intelligent Eco and Saver Modes



Automatically changes the brightness of the lamp according to the brightness level of the screen. Also, automatically changes the brightness of the lamp if there is no change in the screen image. Using ImageCare technology, these features give optimal picture performance with maximum energy savings.

### 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 USBWL11N wireless adapter.

## STANDARD FEATURES

### Input Source Naming



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

### Microphone Input



A microphone can be used via the jack located on the input panel. Allows for more dynamic presentations even in standby mode.

### 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. Additionally there is also a slideshow function.

### 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.

### 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.

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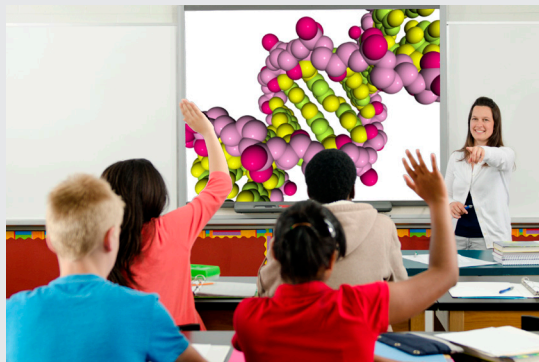
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# 8232 LCD Projector

**DUKANE**

## Enhance the educational experience with Dukane's 8232.

The 8232 short throw LCD projector from Dukane is specifically designed to enhance the educational experience — for students and teachers. Leading edge projector technology helps stimulate the imagination of students of all ages and makes lessons become more interesting, compelling and memorable. Vivid colors. Bold graphics. Crisp text. The 8232 does it



all in classrooms of all sizes. With 3,200 ANSI lumens brightness and XGA 1024 x 768 resolution, the 8232 provides the perfect solution. It also features a 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 ready. Plus, embedded networking gives you the ability to manage and control multiple projectors over your LAN (scheduling of events, centralized reporting, image transfer, and email alerts). Best of all, the high performance 8232 is exceptionally reliable and offers a lower cost of ownership.



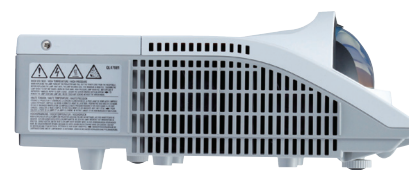
Front View



Top View

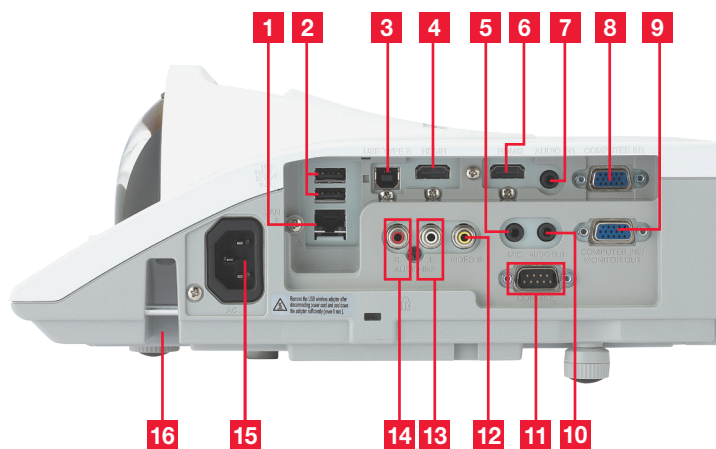


Back 3/4 View



Side Profile

## Input/Outputs



- |                     |                  |                  |
|---------------------|------------------|------------------|
| 1. LAN              | 7. Audio in 1    | 12. Video        |
| 2. USB Type A x 2   | 8. Computer in 1 | 13. Audio in 2 L |
| 3. USB Type B       | 9. Computer in 2 | 14. Audio in 2 R |
| 4. HDMI             | 10. Audio Out    | 15. AC in        |
| 5. Microphone Input | 11. Control      | 16. Security Bar |
| 6. HDMI2            |                  |                  |

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8232

# 8232 LCD Projector



## Accessories and Lenses

<b>Supplied Accessories</b>	Remote control, power cord, computer cable, 2 AA batteries, lens cover, USB wireless adapter cover, application CD, user's manual CD, user's manual
<b>Optional Accessories</b>	USB Wireless Adapter, TB-1 wireless pen tablet
<b>Replacement Parts</b>	
<b>Lamp</b>	456-8232
<b>Remote Control</b>	HL03035
<b>Filter</b>	UX37191

## Projection Throw Chart (In inches)

Screen Size 16:10		Throw Distance
Diagonal	Width	
60	51	19.7
70	59	23.4
80	68	27.1
90	76	30.8
100	85	34.5

Throw Ratio: (distance : width) 0.4 : 1

## Specifications

Display	<b>Projection Technology</b>	3LCD, 3 chip technology
	<b>Resolution</b>	XGA 1024 x 768
	<b>White Light Output</b>	3,200 ANSI lumens
	<b>Color Light Output</b>	3,200 ANSI lumens
	<b>Colors</b>	16.7 million colors
	<b>Aspect Ratio</b>	Native 4:3 and 16:9 / 16:10 compatible
	<b>Contrast Ratio</b>	10,000 : 1 (using active IRIS)
	<b>Throw Ratio (distance : width)</b>	0.4 : 1
Lens & Operation	<b>Focus Distance</b>	18" - 50"
	<b>Display Size</b>	60" - 150"
	<b>Lens</b>	f = 5.65 mm
	<b>Lamp Wattage</b>	225W
	<b>Expected Lamp Life*</b>	Approximately 5,000 hours (standard mode) 10,000 hours (Eco-2 mode)
Compatibility	<b>Expected Filter Life**</b>	Approximately 4,000 hours
	<b>Speaker Output</b>	16W
	<b>Keystone</b>	V: +/- 5°
	<b>Computer</b>	VGA, SVGA, XGA, WXGA/WXGA+/SXGA/SXGA+/UXGA (compressed), MAC 16"
	<b>H-Sync</b>	15 kHz - 106 kHz
Connectors	<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, 720p, 1080i, 1080p
	<b>HDMI</b>	480i, 480p, 576i, 720p, 1080i, 1080p, computer signal TMDS clock 27 MHz - 150 MHz
	<b>Digital Input</b>	HDMI x 2 (HDCP compliant)
	<b>Computer Input 1</b>	15-pin mini D-sub x 1
	<b>Computer Input 2</b>	15-pin mini D-sub x 1
	<b>Computer Monitor Output</b>	15-pin mini D-sub x 1
	<b>Video Input</b>	
	S-Video	N/A
Ratings & Warranty	Composite Video	RCA jack x 1
	Component Video	15-pin mini D-sub x 2, (shared with computer in 1/2)
	<b>Audio Input</b>	3.5 mm stereo mini jack x 1, 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 adapter) Type B x 1 (USB display or mouse control)
	<b>Control Terminals</b>	9-pin mini D-sub x 1 (RS-232 control)
	<b>Power Supply</b>	AC90-132V / AC198-264V, 50/60Hz
	<b>Power Consumption</b>	340W
	<b>Operating Temperature</b>	32°F - 104°F (0°C - 40°C)
	<b>Dimensions (W x D x H)</b>	13.6" x 11.9" x 3.4" (excl. protruding parts) Shipping 15" x 14" x 8"
	<b>Weight</b>	Approximately 8.2 lbs. / Shipping 14 lbs.
	<b>Approvals</b>	UL 60950-1 / cUL FCC Part 15 subpart B Class B
	<b>Warranty</b>	Five (5) year limited warranty plus Dukane's 1 year Peace of Mind Loaner Program
	<b>UPC</b>	605194004676

\* 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 warranty.



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