

# Proxima Pro AV 9310

power, flexibility, and control

## RS232 CONTROL

for easy integration with popular AV control systems

## VIDEO COMPATIBLE

component, composite, and S-video at 800 lines of horizontal resolution

## CUSTOMIZE YOUR CONFIGURATION

computer connector modules can be configured to match your cabling requirements

## OPTIONAL LENSES

a selection of zoom and fixed lenses in wide angle and telephoto gives maximum flexibility in projector installation

## UNMATCHED BRIGHTNESS

2100 ANSI lumens make it the brightest in its class

## POWER IMAGE ADJUSTMENT

power lens shift system allows vertical adjustment from +12 to -12 degrees, fully keystone corrected



actual size: 15.4 in. W x 22.9 in. L x 9.2 in. H

## PROXIMA PRO AV 9310

Now there's a better way to equip your boardroom, auditorium, training center, or meeting facility with the latest multimedia display capability. It's Proxima's Pro AV 9310. The Pro AV 9310 delivers the brightness and resolution your users will appreciate, with the versatility and affordability to make you and your installation a brilliant success.

- 2100 ANSI lumens makes it ideal for virtually any environment
- true XGA (1024 x 768) resolution with VGA (640 x 480) through SXGA (1280 x 1024) support provides compatibility with all popular workstations, PCs, and Macs
- standard motorized 1.8-2.8:1 (projection distance/image width) zoom lens gives you a wide range of set-up options
- a wide selection of optional lenses offers the utmost flexibility for installation in small and large venues
- integrated video line doubling and superb scaling means exceptional video quality
- configurable input and output computer connectors let you customize your projector for seamless integration with your installed cabling
- power lens shift system offers hassle-free vertical image adjustment with automatic keystone correction

**PROXIMA**<sup>®</sup>  
MULTIMEDIA PROJECTORS



# Pro AV 9310

## WHAT'S INCLUDED

### Model Pro AV 9310 includes:

- Infrared remote controls (2) w/mouse control and hardwire and IR w/out mouse (w/2 AA's)
- Wired remote control cord (1.5 meter)
- Mouse control cables (PS/2, Serial, and Mac)
- Power cord 9.8 ft. (3 m) - US or Euro
- Computer video (VGA) and audio cable, Mac/VGA adapter
- S-video cable, AV cable, RCA-BNC adapters (3)
- Lens cap, dust cover, product documentation (multi-lingual User's Guide)

## ORDERING INFORMATION

### Model Number

|              |                          |
|--------------|--------------------------|
| Pro AV 9310  | (includes standard lens) |
| Pro AV 9310L | (without lens)           |

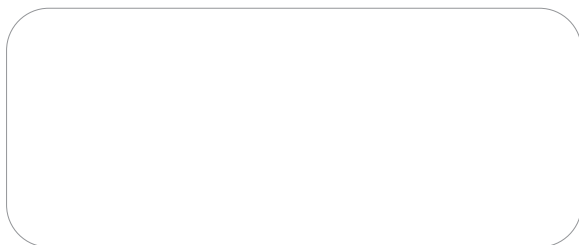
### Optional Accessories

|            |   |
|------------|---|
| A314       | Rolling hard case (checkable/shippable)             |
| LN93-SZ    | Standard zoom lens (F2.6-35 / f67-107 mm) 1.8-2.8:1 |
| LN93-LZ    | Long zoom lens (F2.0-2.6 / f125-160 mm) 3.4-4.5:1   |
| LN93-W     | Wide angle fixed lens (F2.5 / f4.5 mm) 1.2:1        |
| LN93-FL    | Long throw fixed lens (F2.0 / f253 mm) 6.9:1        |
| CM93-HD15  | HD15 computer connector panel                       |
| CM93-BNCX5 | BNCX5 computer connector panel                      |
| CM93-13W3  | 13W3 computer connector panel                       |

## IMAGE DIMENSION CALCULATION FACTORS

(Multiply projection distance by calculation factor for image dimension.)

| Standard & Optional Lenses | Min Height | Max Height | Min Width | Max Width | Min Diag. | Max Diag. |
|----------------------------|------------|------------|-----------|-----------|-----------|-----------|
| Standard zoom-1.8-2.8:1    | 0.263      | 0.424      | 0.351     | 0.565     | 0.439     | 0.706     |
| Long zoom-3.4-4.5:1        | 0.167      | 0.218      | 0.223     | 0.290     | 0.279     | 0.363     |
| Wide angle fixed-1.2:1     | N/A        | 0.636      | N/A       | 0.847     | N/A       | 1.058     |
| Long throw fixed-6.9:1     | 0.109      | N/A        | 0.145     | N/A       | 0.181     | N/A       |



## PROXIMA® MULTIMEDIA PROJECTORS

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03/99 709-00665-2 9310 datasheet.qxd

## TECHNICAL SPECIFICATIONS

|  |  |
|--|--|
| <b>Computer Compatibility</b>            | <ul style="list-style-type: none"> <li>■ Sun, SGI, IBM, HP, DEC, and X-terminal graphics modes up to 135 MHz</li> <li>■ IBM PC, PS/2, Pentium, and compatibles</li> <li>■ Apple Macintosh, Power Macintosh and PowerBook</li> </ul>  |
| <b>Video Compatibility</b>               | <ul style="list-style-type: none"> <li>■ NTSC, NTSC 4.43, PAL, PAL-M, PAL-N, SECAM</li> </ul>  |
| <b>Input Sources</b>                     | <ul style="list-style-type: none"> <li>■ <b>2 computer input channels</b><br/>Channel 1: BNC (R, G, B, H, V)<br/>Channel 2: HD15<br/>(optional connector modules also available)<br/><b>Each channel includes:</b><br/>RCA type stereo audio (R, L-mono), mouse control port, USB port</li> <li>■ <b>2 video input channels</b><br/>Each channel includes:<br/>3 BNC (for component and composite)<br/>1 mini DIN 4-pin (for S-Video)<br/>1 RCA type stereo audio (R, L-mono)</li> </ul> |
| <b>Output Sources</b>                    | <ul style="list-style-type: none"> <li>■ <b>1 monitor output</b><br/>HD15 + RCA type stereo audio (R, L-mono)<br/>(optional connector modules also available)</li> <li>■ <b>1 video output</b><br/>3 BNC (for component and composite)<br/>1 mini DIN 4-pin (for S-Video)<br/>1 RCA type stereo audio (R, L-mono)</li> </ul>   |
| <b>Control Input Sources</b>             | <ul style="list-style-type: none"> <li>■ RS232C (DB9)</li> </ul>   |
| <b>H-Sync Range</b>                      | <ul style="list-style-type: none"> <li>■ 15-81 kHz</li> </ul>  |
| <b>V-Sync Range</b>                      | <ul style="list-style-type: none"> <li>■ 50-100 Hz</li> </ul>  |
| <b>Dot Clock</b>                         | <ul style="list-style-type: none"> <li>■ Up to 135 MHz</li> </ul>  |
| <b>Horizontal Resolution</b>             | <ul style="list-style-type: none"> <li>■ 800 video lines</li> </ul>  |
| <b>Brightness</b>                        | <ul style="list-style-type: none"> <li>■ 2100 ANSI lumens</li> </ul>   |
| <b>Brightness Uniformity</b>             | <ul style="list-style-type: none"> <li>■ 85% typical</li> </ul>  |
| <b>Contrast Ratio</b>                    | <ul style="list-style-type: none"> <li>■ 100:1 ANSI; 300:1 full-on, full-off</li> </ul>  |
| <b>Display Technology/No. of Colors</b>  | <ul style="list-style-type: none"> <li>■ 1.8" polysilicon LCD / 16.7 million colors</li> </ul>   |
| <b>Resolution</b>                        | <ul style="list-style-type: none"> <li>■ XGA (1024 x 768)</li> </ul>   |
| <b>Resolutions Supported</b>             | <ul style="list-style-type: none"> <li>■ VGA (640x480, Fit-to-View®), SVGA (800x600, Fit-to-View), XGA (1024x768), SXGA, (1280x1024, Fit-to-View), wide format (16:9 aspect) capable</li> </ul>  |
| <b>Image Diagonal (Std Lens)</b>         | <ul style="list-style-type: none"> <li>■ 2.5 ft. to 50 ft. (0.8 m to 15.2 m)</li> </ul>  |
| <b>Projection Lens (Std lens)</b>        | <ul style="list-style-type: none"> <li>■ Power zoom and focus. 1.8-2.8:1, F2.6-3.5, focal length 67-107mm (long and wide lens options)</li> </ul>  |
| <b>Projection Distance (Std Lens)</b>    | <ul style="list-style-type: none"> <li>■ 3.6 ft. to 70.8 ft. (1.1 m to 21.6 m)</li> </ul>  |
| <b>Lens Shift (Std Lens)</b>             | <ul style="list-style-type: none"> <li>■ Power lens shift +12 to -12° (keystone corrected)</li> </ul>  |
| <b>Lamp (Life)</b>                       | <ul style="list-style-type: none"> <li>■ 400 watt metal halide (1,000 hours)</li> </ul>  |
| <b>Audio</b>                             | <ul style="list-style-type: none"> <li>■ Two 3-watt stereo speakers</li> </ul>   |
| <b>Remote Controls</b>                   | <ul style="list-style-type: none"> <li>■ Wireless IR with mouse control</li> <li>■ Wireless/wired remote (3.5mm mini-jack) w/o mouse control</li> </ul>  |
| <b>Approvals</b>                         | <ul style="list-style-type: none"> <li>■ FCC Class A, UL, cUL, CE</li> </ul>   |
| <b>Power Consumption</b>                 | <ul style="list-style-type: none"> <li>■ 630 watts</li> </ul>  |
| <b>Power Requirements</b>                | <ul style="list-style-type: none"> <li>■ 90-264 volts (110-120/200-240V ± 10%) at 50/60 Hz</li> </ul>  |
| <b>Operating Temperature (Sea Level)</b> | <ul style="list-style-type: none"> <li>■ 41-95° F (5-35° C)</li> </ul>   |
| <b>Weight</b>                            | <ul style="list-style-type: none"> <li>■ 38.1 lb. (17.3 kg)</li> </ul>   |
| <b>Dimensions</b>                        | <ul style="list-style-type: none"> <li>■ 15.4 in. (W) x 22.9 in. (L) x 9.2 in. (H)<br/>39.1 cm (W) x 58.2 cm (L) x 23.4 cm (H)</li> </ul>  |
| <b>Projection Method</b>                 | <ul style="list-style-type: none"> <li>■ front/rear, desktop/ceiling</li> </ul>  |
| <b>On-screen Menu Languages</b>          | <ul style="list-style-type: none"> <li>■ English, German, French, Italian, Spanish</li> </ul>  |
| <b>Audible Noise</b>                     | <ul style="list-style-type: none"> <li>■ &lt; 42db</li> </ul>  |
| <b>Warranty</b>                          | <ul style="list-style-type: none"> <li>■ One year on parts and labor (excluding lamp)</li> </ul>   |

