

AR3.1AV ARCADIA™

33" DATA/VIDEO

31" VIEWABLE

COLOR MONITOR



The Arcadia AR3.1AV is a multiple award-winning, cost-effective Digital-ready (DTV) multi-media/convergence solution for large classroom and boardroom presentations and the emerging PC/TV home market. Digital-ready (DTV), the Arcadia is compatible with 480p, 1080i HDTV formats. Featuring a high video bandwidth of 40 MHz, the data/video AR3.1AV displays computer sources up to SVGA resolution (800 x 600) in RGB mode with stunning detail and clarity. Multiple inputs for video sources, built-in amplifier, speakers and remote control, add versatility and convenience.

FEATURES:

- 33" (31" Viewable) Data/Video Color Monitor
- Digital-Ready (DTV)
- 800 x 600 Resolution
- 0.92 mm Phosphor Stripe CRT with Invar Shadow Mask
- Plug and Play Ease of Operation
- Built-in Video Line Doubler for Superior Video Reproduction
- Compatible with Progressive DVD Players (480p)
- Full-Function Wireless Remote Control
- PreVu™ On-Screen Menu System
- One-Year Limited Warranty: 1 Year Parts, 1 Year CRT, 1 year labor

PRINCETON®

AR3.1AV

ARCADIA™



FEATURES AND BENEFITS

Large 33" (31" viewable) screen size

Ideal for all large-scale multimedia presentations, PC/TV and home theater applications.

Invar shadow mask

High nickel alloy content resists heat-related mask alignment problems.

Built-in video line doubler

Greatly enhances images from standard video sources. Eliminates scan lines.

Digital-ready (DTV)

Compatible with 480p, 1080i HDTV formats and progressive DVD players.

800 x 600 @ 60Hz recommended resolution

High-resolution ensures optimum display of RGB, video and DTV images. Ideal for graphics, text and internet browsing.

Wireless remote control

User-friendly remote controls all functions including input select.

40MHz video dot clock

A high bandwidth is essential for maintaining image sharpness and clarity at high resolutions. Typical TV receiver has only 3 MHz bandwidth.

Plug and Play, VESA® DDC1/DDC2AB

Trouble-free installation of the monitor to Windows® and MAC*** platforms, in addition to ease of asset database management.

PreVu™ OSD with Coloright™ controls

Advanced OSD features provide optimum flexibility to suit individual user preferences.

Warranty:

1 year parts, 1 year labor, 1 year CRT.*

Compatibility

PC® and MAC***.

FCC Class B certification

Approved for in-home use and commercial use.

AR3.1AV SPECIFICATIONS

CRT Size/Type	33" (31" viewable) Invar shadow mask CRT
Pitch	0.92mm stripe pitch at center
Recommended Resolution	800 X 600
Active Display Area	Default: 24.4" x 18.3" (620mm x 465mm) Overscan: 25.2" x 18.9" (640mm x 480mm)
Compatibility	VESA® 640 x 480 @75 Hz, VESA® 640 x 480 @ 60Hz, VESA® 800 x 600 @ 60Hz IBM™ and MAC*** compatible. 480p, 1080i DTV Formats, Video
Plug & Play	DDC1/DDC2AB
Hertz./Vert.Frequency	30-38 kHz/50-90Hz auto-synchronizing
Video Bandwidth	40 MHz (-3db) nominal
Input Signal (RGB)	Video: Analog 0.7 V _{pp} /75Ohm Sync.: Separate TTL level. Sync on green
Input Connector/Cable	15-pin mini D-sub, 6 ft. (1.8m)
Video Compatibility	NTSC
Video Input Signal	2 composite video inputs (RCA connector)
S-Video Input	1 S-video input (mini-DIN)
Audio Input	2 pair stereo audio input (RCA connectors)
Audio Output	1 pair stereo audio output (RCA connectors)
User Controls	On-Screen display: Power, volume, mute (remote control only), brightness, contrast, horizontal position, horizontal size, vertical position, vertical size, pincushion, rotation, red gain, green gain, blue gain, recall, degauss, TV/Computer mode, input select, tint, color
Remote Control (all functions)	
Power Supply	90 - 240 V _{AC} , 50/60 Hz universal
Power Consumption	On: 170 Watts (typical)
Dimensions (W x H x D)	30.1" x 26.9" x 19.5" (765mm x 683mm x 495mm)
Weight	Net: 127.5 lb. (57.8kg); Gross: 146 lb
Power Management	VESA® DPMS™, and EPA® Energy Star SM compliant
Agency Approvals	FCC-B, UL, DHHS, CSA, TUV, CE
Warranty	1 Year parts, 1 year labor, 1 year CRT*

COMPARE AR3.1AV TO THE COMPETITION

	Princeton AR3.1AV	Mitsubishi Mega View 33	Monivision DM-6938
Viewable Image Size (inches)	31	31	31
Pitch (mm)	0.83mm	0.83	0.92
CRT Type	Shadow Mask	Shadow Mask	Shadow Mask
Horizontal Freq. (kHz)/ Vertical Freq. (Hz)	30-38/50-90	15-38/50-120	15,31-38/50-120
Bandwidth/Dot clock (MHz)	40	N/A	48
Built-in video line doubler	Yes	No	Yes
Resolution	800 x 600 @ 60Hz	800 x 600 @ 60Hz	800 x 600 @ 60Hz
RGB Input	1 VGA-type	1 VGA-type	1VGA-type
Composite Video Input	Yes, 2 inputs	Yes	Yes, 2 inputs
S-Video Input	Yes	Yes	Yes
Audio Input/Outputs	Yes, 2 pair/Yes, 1 pair	Yes/No	Yes, 2 pair/Yes, 1 pair
Built-in audio amplifier/Speakers	Yes/Yes	Yes/Yes	Yes/Yes
OSD	Yes	Yes	Yes
VESA® DPMS Power Saving	Yes	No	Yes
VESA® Plug and Play	Yes	No	Yes
Warranty (parts, CRT, labor-yrs)	1,1,1	1 year parts and labor	1,1,1

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714.751.8405 OR TOLL FREE: 800.747.6249 www.princetongraphics.com

