

HP 24" Display (A1295A) (22.5" viewable) Wide Aspect Monitor

Maximum Desktop –

HP's 24" wide aspect monitor

Images from HP's VISUALIZE workstations can now be even larger. HP's 24" wide aspect monitor can display resolutions up to 1920x1200 pixels, which results in 75% more viewable pixels than a traditional 1280x1024 resolution. This monitor can display wide aspect formats (16:10 and 16:9) as well as traditional formats (4:3 and 5:4). This versatility combined with a luxurious screen size make this monitor ideal for viewing HP VISUALIZE workstation images.

Features and Benefits

- Large screen area makes viewing graphics much easier than with traditional resolutions
- Larger screen image means more image details are more visible, helping to improve model design
- Wide aspect format allows two 8-1/2" x 11" pages to be displayed side by side on the same screen
- Ability to display multiple aspect ratios (wide and traditional) allows wider range of graphics hardware and software to be used
- High refresh rates of up to 90Hz reduce eyestrain and result in better productivity
- Adjustable controls allow complete customization of monitor via front panel controls and On Screen Display (OSD)
- Dual video input allows video to be switched between 2 workstations



Ordering Information

- **A1295A** - HP product number
Monitor must be ordered with a workstation power cord kit (A4199B/C/D depending on workstation model) to ensure correct power cord for local country destination.

Supported Configurations

The A1295A monitor is supported in wide aspect format on the following HP VISUALIZE workstations:

- **PA-RISC HP-UX**
B-,C-, and J-class with VISUALIZE fx4-Pro, VISUALIZE fx6-Pro, and VISUALIZE-fxe
- **IA-32 Windows NT**
P- and X-class with the following AGP graphics: VISUALIZE fx2+, fx4+, fx6+, Elsa Synergy, Oxygen GVX
- **IA-32 Linux**
PL- and PX-class with Elsa Synergy or Oxygen GVX graphics

Supplied Accessories

- (1) Detachable 15-pin Dsub (male) to Dsub (male) video cable. 1.8 meters
- (1) U.S. power cord (NEMA 5-15P). 125V / 10A. 1.8 meters
- (1) Users Manual (English, French, German, Spanish, Italian, Japanese)

Monitor / Screen

Trinitron® Aperture Grill Tube (.25mm - .28mm stripe pitch). P22 Phosphor. Maximum active screen size 482mm (19 in) x 304mm (12 in). Anti-reflection and anti-static screen.

Scan Frequency

Horizontal: 30-96 kHz

Vertical: 50-160 Hz

Synchronization type

Analog RGB video input. Separate horizontal and vertical synchs. Composite horizontal and vertical synchs. Synch-on-green capability (nominal synch chip amplitude of $-0.286 V_{p-p} \pm 10\%$)

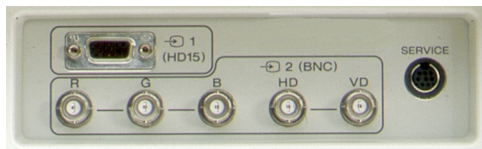
Resolutions / Timings

Maximum resolution: 1920x1200 (76Hz only)
 Minimum resolution: 640x480 (60Hz only)
 Maximum timing: 90Hz (1280x1024)
 Minimum timing: 60Hz (multiple resolutions)
 Factory default resolution: 1920x1200 at 76Hz.
 Supported preset resolutions are (wide aspect formats are marked in blue):

	640x480	720x400	1280x1024	1600x1024 (16:10)	1600x1200	1920x1035 (16:9)	1920x1080 (16:9)	1920x1200 (16:10)
VISUALIZE EG	•		•		•			
VISUALIZE fxe			•	•				
VISUALIZE fx2-Pro	•		•					
VISUALIZE fx4-Pro, fx6-Pro	•		•	•	•			
VISUALIZE fx2+, fx4+, fx6+	•		•	•	•			
Elsa Synergy	•		•	•	•		•	•
Oxygen GVX	•		•	•	•		•	•

Video Connection

- Monitor has two video inputs:
- One 15-pin Dsub connector (female), capable of DDC1 and DDC2Bi
 - One 5-receptacle BNC connector



Video input can be toggled between two video inputs via a switch on the front of the monitor. One detachable 15-pin Dsub-to-Dsub video cable is provided with the monitor. To use the second video input, a BNC to Dsub video cable must be ordered (HP product number A6019A).

Plug & Play

Supports Display Plug&Play guidelines according to VESA DDC1, DDC2B and DDCAB.

Connecting to Dsub graphics

This monitor includes a 15-pin Dsub-to-Dsub video cable for connecting to a Dsub graphics card. To connect the monitor's BNC video input to Dsub graphics, a BNC to Dsub cable will be needed (HP product number A6019A). HP's IA-32 NT and Linux workstations use Dsub graphics.

Connecting to EVC graphics

PA-RISC UNIX workstations use EVC graphics cards. To connect this monitor to an EVC graphics card, use the included Dsub cable and a **Dsub to EVC adapter**. A Dsub to EVC adapter is included with every PA-RISC UNIX workstation when purchased. Spare Dsub to EVC adapters can be ordered using HP product number A4168A. To connect the monitor's BNC video input to Dsub graphics, a BNC to Dsub cable (A6019A) and Dsub to EVC adapter (A4168A) will be needed.

Controls

Front panel: power button, input select switch, reset, (OSD) option, color (OSD), screen (OSD), shape/geometry (OSD), size (OSD), center (OSD), brightness, contrast, power mode LED

On Screen Display (OSD) settings:

Picture size and position, brightness and contrast, shape/geometry, rotation, vertical and horizontal convergence, moiré cancellation, landing, reset to defaults, color temperature, red/green/blue intensity, demagnetize, menu language, lock buttons

Color Temperature

Preset temperatures: 5000K, 6500K, 9300K. Individual RGB gain/bias control can also be set.

Power

- AC 100-120V, 50/60 Hz., 2.2A
- AC 200-240V, 50-60Hz., 1.4A
- 200W maximum power consumption, less than 140W in standby mode, less than 15W in suspend mode, less than 8W in sleep mode, 0W when power off.
- VESA, DPMS, NUTEK compliant
- EPA Energy Star compliant

Physical Characteristics

Color: HP Quartz gray

Weight: 41Kg (90 lbs.)

Height: 500mm (19.7 in.)

Width: 580mm (22.8 in.)

Depth: 548mm (21.6 in.)

EnvironmentalTemperature

Operating: 10° C to +35° C (15.5 to 32.2° C for color)

Storage: 0° C to 60° C

Humidity

Operating: 10% RH to 80% (without condensation)

Storage: 5% RH to 90% (without condensation)

Altitude

Operating: 0 – 10,000 ft.

Storage: 0-35,000ft

Year 2000 Compliance

This monitor performs no date related processing and is Year 2000 compliant.

Warranty

3-year warranty. First year on-site, second and third year return to HP or HP authorized service center.

Regulatory Certifications

UL 1950, CSA C22.2 No. 950, EN60950 (TÜV-GS), SEMKO, NEMKO, DEMKO, EI

ZH1/618 (TÜV-GS), ISO 9241-3

EMC Directive (89/336/EEC & 92/31/EEC) – EN50081-1, -EN50082-1

Low Voltage Directive (73/23/EEC) – Product Safety EN 60950

FCC ClassB, IC Class B, CISPR22B, VCCI Class-II

DHHS, DNHW, PTB

MPR-II, TCO92

International Energy Star program, NUTEK Spec 803299

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