

EO900

The EO900 displays big screen performance without compromising desk space. This 19-inch (18" viewable) .26mm High Contrast display, 1600x1200 maximum resolution and 210MHz video response is ideal for graphics, CAD/CAM/CAE, desktop publishing and PrePress applications.

19-inch (18" viewable) Color Monitor

- **19-inch (18" viewable) High Contrast FST CRT**
- **0.26mm Super Fine Diagonal Dot Pitch**
- **1600 x 1200 @ 75Hz Maximum Resolution**
- **210MHz Super Fast Video Response**
- **Auto Set-Up**
- **Self-Diagnostic Screen**
- **PreVu OSD with Coloright Controls**
- **Full Three-Year Limited Warranty**
- **Standard First-Year 48-hour Advance Replacement Warranty***
- **TCO '95 Compliant**

* Continental U.S. only

The EO900 19-inch (18" viewable) display combines innovative features and superb front-of-screen performance into one, ergonomically designed display to meet the high standards of graphics, CAD/CAM/CAE, desktop publishing, and PrePress professionals. A super fine 0.26mm diagonal dot pitch, High Contrast CRT, and 210MHz video response work harmoniously together to provide crisp text and graphics, while maintaining color saturation—even at the highest resolutions. The EO900 features auto set-up to adjust image attributes to a factory-preset comfortable level with the touch of one button. For custom user adjustments, however, the EO900 also features an advanced on-screen display menu with animated icons for ease-of-use.

EO900 SPECIFICATIONS

CRT Size/Type	19" (18.1" viewable) High Contrast FST with anti-reflection/anti-static coating
Dot Pitch	0.26mm diagonal (0.22mm horizontal)
Maximum Resolution	1600 x 1200
Recommended Resolution	1280 x 1024 @ 85Hz
Active Display Area	Default: 14.0" x 10.4" (355mm x 265mm) WxH Overscan: 14.4" x 10.8" (365mm x 274mm) WxH
Compatibility	VESA® 1600x1200 @ 75Hz, VESA® 1280x1024 @ 85/75Hz, VESA® 1152x864 @ 75Hz, VESA 1024x768 @ 85/75Hz, VESA® 800x600 @ 85/75Hz, VESA® 640x480 @ 85/75Hz, XGA/2, XGA/IBM 8514/A, Super VGA, Macintosh™, SPARCStation™, and more
Plug & Play	DDC2B, DDC/CI
Horizontal Scan Range	30 - 95kHz
Vertical Scan Range	50 - 160Hz

Input Signal	Video: Analog 0.7 Vpp/75 Ohm Sync.: Separate and Composite TTL Level
Input Connector/Cable	15-pin mini D-sub, 6 ft. (1.8m) Captive Cable
User Controls	Front: Power On/Off, Auto Setup, OSD Controls PreVu™ OSD: Contrast, Brightness, Horizontal Position, Horizontal Size, Vertical Position, Vertical Size, Trapezoid, Parallelogram, Pincushion, Pin-Balance, Moiré, Rotation, Coloright™ Controls, Language Select, OSD Position, Degauss, Recall
Power Supply	120-220V _{AC} @ 50/60Hz (Universal)
Power Consumption	On: <110W; Standby: <15W; Suspend: <15W; Off: <8W
Video Dot Clock	210MHz
Dimensions (W x H x D)	18.1" x 18.1" x 18.9" (460mm x 459mm x 480mm)
Weight	Net: 50.6 lbs. (23 kg.) Gross: 59.8 lbs. (27.2 kg.)
Power Management	VESA® DPMS™, EPA Energy Star™, and NUTEK® Compliant
Agency Approvals	UL, CSA, DHHS, TUV/GS, CE, FCC-B, VCCI, MPR-II, TCO 95
Warranty	3 years on parts, 3 years on CRT, 3 years on labor, 1 year 48-hour advance replacement

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FEATURES and BENEFITS of the EO900:

Feature	Benefit
19inch (18" viewable) screen size	A 19-inch CRT is perfect for 17-inch users who wish to upgrade to a larger screen size, but for whom 21-inch displays are price and/or space prohibitive.
High Contrast CRT	The EO900's CRT features a dark tinted glass for bright images that are not "washed out." Focus is also improved with the High Contrast CRT.
0.26mm super fine diagonal dot pitch	A finer dot pitch provides image sharpness and clarity right down to the pixel. The result is excellent visible detail for high-level graphics and desktop publishing applications.
1600x1200 @ 75Hz maximum resolution	The higher the resolution, the smaller the individual pixel, the more displayable information. Therefore, the EO900 is suitable for those who wish to display a large amount of data at one time.
210MHz super fast video response	A faster video response aids to maintain image sharpness, brightness and clarity, even at the highest resolutions.
TCO '95 compliance	The EO900 meets or exceeds the strict standard for recyclability, as well as low electromagnetic field and other emissions for environmental peace of mind.

Plug and Play, VESA DDC1/DDC2B	Trouble-free installation of the monitor to Windows 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. The Coloright hardware feature provides color balance control to exactly match the on-screen color to the printed output color.
Standard 48-hour advance replacement program for first year	Hassle-free warranty significantly reduces downtime in case of equipment malfunction (continental U.S. only).
Compatibility	PC and Apple Macintosh platforms (with optional adapter).

Compare EO900 to the COMPETITION:

Features	<i>Princeton EO900</i>	ViewSonic G790	Nokia 446Xt	Sony GDM-400PS
Viewable Image Size (inches)	18.0	18.0	17.95	18.0
CRT Type	High Contrast FST	FST	Aperture Grille	Aperture Grille
Diagonal Dot Pitch (mm)	0.26	0.26	0.25	0.25
Horizontal Frequency (kHz)	30-95	30-95	29-96	30-94
Vertical Frequency (Hz)	50-160	50-180	50-150	48-160
Bandwidth/Dot Clock (MHz)	210	200	200	Not Available
Maximum Resolution	1600 x 1200 @ 75 Hz	1600 x 1200 @ 76 Hz	1600 x 1200 @ 76 Hz	1600 x 1200 @ 75 Hz
OSD	Yes	Yes	Yes	Yes
TCO Compliance	TCO '95	TCO '95	TCO '95	TCO '92
VESA DPMS Power Saving	Yes	Yes	Yes	Yes
VESA DDC Plug and Play	Yes	Yes	Yes	Yes
Warranty (parts, CRT, labor-yrs)	3, 3, 3	3, 3, 3	3, 3, 3	3/3/3
Standard First Year 48-Hour Replacement	Yes	No	No	No

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- Specifications gathered from available published information as of 3/1/99
- Competitors need to be updated

Additional Princeton Product Offering:

Features	AGX900	AGX750	EO750	EO930
CRT Type	FST	Trinitron	Advanced High Contrast	Short Length
Viewable Image Size (inches)	18.0	16.0	16.0	18
Dot Pitch (mm)	0.25 AG	0.25 AG	0.26	0.25
Horizontal Frequency (kHz)	29-96	30-95	30-95	30-95
Vertical Frequency (Hz)	50-150	50-180	50-160	50-160
Bandwidth/Dot Clock (MHz)	200	202.5	202.5	202.5
Maximum Resolution	1600 x 1200 @ 87Hz	1600 x 1200 @ 75Hz	1600 x 1200 @ 75Hz	1600 x 1200 @ 85Hz
Recommended Resolution	1280 x 1024 @ 85Hz	1024 x 768 @ 85Hz, 1024 x 768 @ 85Hz	1024 x 768 @ 85Hz, 1024 x 768 @ 85Hz	1280 x 1024 @ 85Hz
OSD	Yes	Yes	Yes	Yes
Net Weight (lbs.)	56.9	34.8	39.9	49.5
Dimensions (WxHxD) inches	18.3 x 18.5 x 18.7	16.1 x 16.1 x 17.7	16.1 x 16.1 x 17.7	18.5 x 19.0 x 16.7
MPR-II Low Emissions	Yes	Yes	Yes	Yes
TCO Certified	TCO95	TCO95	TCO95	TCO95
VESA DPMS Power Saving	Yes	Yes	Yes	Yes
VESA DDC Plug and Play	Yes	Yes	Yes	Yes
Warranty (parts, CRT, labor-yrs)	3, 3, 3	3, 3, 3	3, 3, 3	3, 3, 3
Standard 48-Hour Replacement	Yes	Yes	Yes	Yes

Product Design and Specification Subject to change without notice

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