

# ViewSonic® E90f+SB CRT Monitor

19" (18.0" VIEWABLE) E<sup>2</sup>® SERIES ULTRABRITE™ CRT



## The perfect monitor for gamers, students and business.

ViewSonic's ultra-stylish black-on-silver E90f+SB 19" (18.0" viewable) monitor is the **ALL-AROUND CRT THAT LETS YOU SELECT THE BRIGHTNESS LEVEL TO FIT THE APPLICATION**. A touch of the button selects high-brightness for eye-dazzling gaming, TV/DVD and presentations; normal brightness for razor-sharp word processing, spreadsheets and text. The E90f+SB is **BUILT WITH THE ALL-INCLUSIVE FEATURES YOU EXPECT FROM VIEWSONIC** — an ultra-flat, specially coated screen to minimize distortion and glare; an ultra-fine dot pitch for exceptional picture definition, and convenient features like OSD lock and OnView® screen controls. For business, home and school, the best performance and value in a 19" CRT is the E90f+SB.

Award-Winning  
Company

ViewSonic is the #1  
best-selling monitor brand in  
the USA, delivering price  
and performance leadership.\*



## Consistent quality and reliability.

### • UltraBrite™ technology for brilliant graphics

Games, TV, DVD and 3-D video come alive with UltraBrite 5X technology. With up to 5 times the brightness of typical CRTs, you'll get saturated, photorealistic images.

### • 0.21mm horizontal dot pitch 0.25mm diagonal dot pitch

Ultra-fine dot pitch delivers clear, crisp images with precise picture definition, even at the highest resolution.

### • PerfectFlat® screen for distortion-free images

Absolutely flat screen provides realistically proportioned, precise images with reduced reflection, image distortion and eye fatigue.

### • OSD lock secures your settings

### • See it all with 1792x1344 maximum resolution

Displays at the maximum resolution of 1792x1344; 1284x1024 @ 80Hz flicker-free refresh rate for easy-on-the-eyes viewing.

### • OnView® controls plus ViewMatch® color for superior screen adjustability

Screen adjustments are made via an on-screen menu using simple controls. The ViewMatch feature allows the user to adjust color temperature and individual color intensity for screen-to-print matching.

### • Reduce eyestrain

Anti-static, anti-reflection screen treatment cuts reflection and glare for exceptional viewing comfort.

### • MPR II and ENERGY STAR® qualified

Complies with the world's strictest standards of low radiation, safety, ergonomics and power management while saving cost through automatic power saving modes.



ViewMate® KBM-KP-202

*Keep the style going with a matching ViewSonic keyboard – just one of many accessories available (sold separately).*

# Reliable Value



# ViewSonic® E90f+SB CRT Monitor

19" (18.0" VIEWABLE) E<sup>2</sup> SERIES ULTRABRITE™ CRT



1. UltraBrite hot key increases brightness levels
2. Stylish black-on-silver case
3. Anti-static, anti-reflection screen reduces eye-strain



**Available colors:**  
Black-on-silver (E90f+SB)

## 19" (18.0" VIEWABLE) ULTRABRITE™ CRT MONITOR

<b>CRT</b>	<b>Type</b>	19.0" (18.0" viewable) 90° deflection
	<b>Dot Pitch</b>	0.21mm horizontal x 0.14mm vertical; 0.25mm diagonal
	<b>Phosphor</b>	Pigment coated P22
	<b>Glass Surface</b>	Tint: TM~52.6%, anti-reflection, anti-static screen coating
<b>INPUT SIGNAL</b>	<b>Video</b>	RGB analog (75 ohms, 0.7 Vp-p)
	<b>Sync</b>	H/V separated (TTL), composite sync
	<b>Frequency</b>	F <sub>H</sub> :30~86kHz, F <sub>V</sub> :50~180Hz
<b>COMPATIBILITY</b>	<b>PC</b>	VGA up to 1792x1344 non-interlaced
	<b>Mac<sup>®†</sup></b>	Power Mac™ G3/G4 1600x1200
<b>CONNECTOR</b>	<b>Analog</b>	15-pin mini D-sub
	<b>Power</b>	3-pin plug (IEC320)
<b>POWER</b>	<b>Voltage</b>	AC 90~264V, 50/60Hz (+/-2)
	<b>Consumption</b>	100W (typ), (auto switch)
<b>CONTROLS</b>	<b>Basic</b>	Power, on/off, 1, down, up, 2, UltraBrite
	<b>OnView<sup>®</sup></b>	Contrast, brightness, H./V. size, H./V. position, pincushion, trapezoid, pinbalance, parallelogram, top/bottom hook, tilt, V. moiré reduction, degauss, ViewMatch <sup>®</sup> (9300K, 6500K, 5000K, user), OSD position, language, ViewMeter <sup>®</sup> , memory recall, zoom and auto sizing
<b>VIDEO INPUT</b>	<b>Bandwidth</b>	202MHz (typ)
<b>MISCONVERGENCE</b>		0.25mm (max) at center 0.35mm (max) at corner
<b>DISPLAY AREA</b>	<b>Factory Setting</b>	352mm horizontal x 264mm vertical
	<b>Maximum Scan</b>	360mm horizontal x 270mm vertical (dependent upon timing signal)
<b>OPERATING CONDITIONS</b>	<b>Temperature</b>	32~104°F (0~40°C)
	<b>Humidity</b>	5~95% (non-condensing)
<b>DIMENSIONS (W X H X D)</b>	<b>Physical</b>	445mm x 457mm x 456mm 17.5" x 18.0" x 18.0"
<b>WEIGHT</b>	<b>Net</b>	42.2 lb. (19.2 kg)
	<b>Gross</b>	49.3 lb. (22.4 kg)
<b>REGULATIONS</b>		UL/cUL1950, DHHS, FCC-B, CB, CCC, ICES 003, MPR II, ENERGY STAR <sup>®</sup> , NOM
<b>POWER MANAGEMENT</b>		Meets MPR II and ENERGY STAR <sup>®</sup> standards
<b>WARRANTY</b>		Three-year limited warranty on CRT, parts and labor.



ISO 9001:2000  
FM 40187



ISO 14001:1996  
FM 40968

ViewSonic Corporation's QMS & EMS have been registered to ISO 9001 & ISO 14001, respectively, by the British Standards Institution.



**ViewSonic®**

ViewSonic Corporation • 381 Brea Canyon Road, Walnut, CA 91789

Phone (800) 888-8583 or (909) 444-8888 • In Canada (866) 262-1967 • Fax (909) 839-7922 • SalesInfo@ViewSonic.com • ViewSonic.com

\*Leading stand-alone, branded monitor by sales (CRT and LCDs combined); iSuppli/Stanford Resources Monittrak™ and Flat Panel Monittrak™, 2Q04 Report) Adapter may be required. Analog adapter available from ViewSonic. Specifications subject to change without notice. Selection, offers and programs may vary by country; see your ViewSonic representative for complete details. Corporate names, trademarks stated herein are the property of their respective companies. Copyright © 2004 ViewSonic Corporation. All rights reserved. [11970-008-06/04] E90f+SB-4

For more product information, visit us on the web at [ViewSonic.com](http://ViewSonic.com)

specifications