ViewSonic®

E90fmb Monitor

E²® Series

• 0.21mm horizontal pitch 0.25mm diagonal pitch
This ultra-fine dot pitch produces super clear, crisp images with great picture definition, even at the highest resolutions.

• 1600x1200 maximum resolution
Displays a maximum resolution of 1600x 1200; 1280x1024 at 80Hz flicker-free refresh rate for easy-on-the-eyes viewing.

1600 x 1200	@	67Hz
1280 x 1024	@	80Hz
1024 x 768	@	102Hz
800 x 600	@	130Hz

• Bezel-integrated speakers and microphone
Dual 2-watt built-in audio speakers save desk and work space while offering superior sound quality. Built-in microphone allows bi-directional communications in true multi-media applications such as video confer-encing and computer telephony.

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

• SuperClear® technology
SuperClear screen technology incorporates enhanced phosphor treatment and optimized glass to deliver vivid colors and image clarity.

PerfectFlat 19" (18" viewable) multimedia monitor value.

The ViewSonic flat-screen E90fmb offers affordable value in a 19" (18.0" viewable) multimedia monitor. Featuring ViewSonic's award-winning PerfectFlat screen technology, the E90fmb renders precise, edge-to-edge images with sharp focus and minimized reflection. The ultra-fine 0.21mm horizontal dot pitch delivers sharp, easy-on-the-eyes viewing, and built-in 2-watt speakers, microphone and headphone jack provide computer telephony capabilities. The ViewSonic E90fmb, in stylish black, is the ideal choice for education, home and small office environments.

ViewSonic®
See the difference®

ViewSonic®

E90fmb Monitor

19" (18" VIEWABLE) PERFECTFLAT® COLOR MONITOR

CRT	**Type**	19" (18" viewable) CRT, 90º deflection
	Dot Pitch	0.21mm horizontal, 0.13mm vertical, 0.25mm diagonal
	Phosphor	RGB P22 medium persistence
	Glass Surface	Anti-reflection, anti-static coating; TM~46%
INPUT SIGNAL	**Video**	RGB analog (75 ohms, 0.714 Vp-p)
	Sync	H/V separated (TTL), composite
	Frequency	f_h: 30~86kHz; f_v: 50~150Hz
COMPATIBILITY	**PC**	PC compatible from VGA up to 1600 x 1200
	Mac®*	Power Mac™ up to 1152 x 870
INPUT CONNECTORS	**Video**	15-pin mini D-sub (attached)
	Audio	3.5mm pin mini jack (stereo)
	Microphone	3.5mm pin mini jack (mono/auxillary)
	Power	3-pin plug (ICE320)
OUTPUT CONNECTORS	**Headphone**	3.5mm pin mini jack (stereo)
	Microphone	3.5mm pin mini jack (mono)
POWER	**Voltage**	AC 100–240V, 50–60Hz (auto switch)
	Consumption	110W (typ), 120W (max)
CONTROLS	**Basic**	Power, on/off, buttons 1, down, up, 2, speaker mute, volume down, volume up
	OnView	Contrast, brightness, zoom, H/V size, H/V position, pincushion, pin balance, trapezoid, parallel, tilt, H/V moiré, ViewMatch® color temperature (9300, 6500, user), degauss, memory recall, ViewMeter®, language, OSD lock
VIDEO INPUT	**Bandwidth**	175MHz (typ)
AUDIO	**Speaker**	2-watt + 2-watt @ 1KHz
	Frequency	100–20KHz
MISCONVERGENCE		0.25mm (max) at center; 0.30mm (max) at corner
DISPLAY AREA	**Factory Setting**	352mm (H) x 264mm (V) (typ) 13.9" x 10.4"
	Maximum Scan	365mm (H) x 274mm (V) (dependent on timing used) 14.4" x 10.8"
OPERATING CONDITIONS	**Temperature**	32–104º F (0–40º C)
	Humidity	5–95% (non-condensing)
DIMENSIONS	**Physical**	464mm (W) x 492mm (H) x 472mm (D) 18.2" x 19.3" x 18.5"
WEIGHT	**Net**	22.0 kgs. (48.5 lbs.)
	Gross	25.5 kgs. (56.2 lbs.)
REGULATIONS		UL, CSA, FCC-B, ICS-003, DHHS, NOM, TUV-S, ENERGY STAR®, MPR II
POWER MANAGEMENT		Meets ENERGY STAR®, MPR II standards
WARRANTY		Three-year limited warranty on CRT, parts and labor.

ISO 9001
FM 40187

ISO 14001
EMS 40968

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

- **OnView® controls**
  Screen adjustments are made via an on-screen menu using simple controls.

- **OSD lock**
  Prevents accidental misadjustments of OnView controls to maintain optimized image quality.

- **USB hub-compatible base**
  Base design allows easy integration of the optional ViewSonic USB (Universal Serial Bus) hub for convenient USB peripheral connections.

- **Headphone jack and external microphone port**

- **ENERGY STAR® certified**

- **Turn your monitor into a high-resolution TV**
  Hook up favorite extras like a DVD, gaming consoles, VCR or digital camera with ViewSonic's video processing box.

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