

PF815 Launch Kit

**20.0" Actual
Viewable Size**



**1920 x 1440
@ 75Hz**

**0.25 - 0.27
Aperture
Grille**

**PerfectFlat®
Screen**

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ViewSonic®

PF815 Monitor

Professional Series



- **0.25mm aperture grille at center**
0.27mm aperture grille at corner

This ultra fine aperture grille pitch produces clear, crisp images with great picture definition, even at the highest resolutions.

- **1,920 x 1,440 maximum resolution**

Displays a maximum resolution of 1920 x 1440; 1600 x 1200 at 92Hz flicker-free refresh rate for easy viewing.

1920 x 1440 @ 75Hz

1600 x 1200 @ 92Hz

1280 x 1024 @ 107Hz

1024 x 768 @ 140Hz

- **PerfectFlat® screen**

Absolute flat screen provides realistically proportioned, precise images with reduction of ambient light reflection, image distortion and eye fatigue.

- **300MHz video input bandwidth**

Delivers a sharp and realistic image at high resolutions.

- **OnView® controls including ViewMatch®**

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

22" (20.0" viewable) PerfectFlat Monitor

ViewSonic is now offering its first 22" (20.0" viewable) high performance CRT with the incredible PerfectFlat technology providing full, brilliant edge-to-edge precise images! In addition to a maximum resolution of 1920 x 1440, the ViewSonic PF815 also boasts of a super fine 0.25-0.27mm variable aperture grille pitch and a wide video bandwidth of 300MHz. Combining all these features along with its low light transmission and on screen corner purity adjustments, the PF815 users can be assured of the ultimate in image clarity and color saturation – an ideal choice for CAD/CAM, animation, desktop publishing and graphics design applications.



ViewSonic®

PF815 Monitor



- **ARAG screen treatment**

This specially formulated anti-reflection, anti-glare screen treatment uses a multi-layer process to refract unwanted light away from the user while maintaining the highest quality of the displayed area.

- **TCO '99 and Energy 2000 certified**

This monitor complies with the world's strictest standards of low radiation, safety, ergonomics, recycling and power management while saving costs through automatic power saving modes.



- **Plug & Play+**

Fully supports the Microsoft® Windows® auto installation standard for easy, trouble-free configuration and set-up.

- **PC and Mac compatible**

- **Three year limited warranty**



ViewSonic Corporation's QMS/EMS has been registered to ISO 9001 & ISO 14001 by the British Standards Institution.

22" (20" VIEWABLE) PROFESSIONAL COLOR MONITOR WITH PERFECTFLAT® CRT

CRT	Type	22" (20" diagonal viewable area) 90° deflection,
	Pitch	0.25mm (center) – 0.27mm (corner), aperture grille
	Phosphor	RGB medium-short persistence B22
	Glass Surface	Tint (TM=39.8%), ARAG® screen treatment
INPUT SIGNAL	Video	RGB analog (0.7Vp-p, 75 ohms)
	Sync	H/V separate (TTL), composite, sync-on-green
	Frequency	F _H :30-117kHz, F _V :50-180Hz
COMPATIBILITY	PC	PC compatible (from VGA up to 1920 x 1440)
	Mac**	Power Mac™ from 640 x 480 up to 1600 x 1200
	Other	Most workstations**
CONNECTOR	Signal	15-pin mini D-sub, BNC x 5 [RGBHV]
	Power	3-pin plug (IEC320)
POWER	Voltage	AC 90-132V/198-264 VAC, 50-60(+/-3)Hz
	Consumption	150W (typ)
USER CONTROLS	Basic	Power, 1, down, up, 2
	OnView®	Contrast, brightness, H/V-position, H/V-size, vertical pincushion, vertical pin-balance, trapezoid, degauss, parallelogram, rotation (tilt), top hooking, bottom hooking, hourglass, hourglass balance, input select, linearity center, linearity edge, input level select, moiré, ViewMatch® color, H/V convergence, corner purity, H/V OSD position, ViewMeter®, OSD language select, zoom, memory recall
VIDEO INPUT	Bandwidth	300MHz (typ)
MISCONVERGENCE		0.3mm (max at center) 0.4mm (max at corner)
DISPLAY AREA	Factory Setting	396mm (H) x 297mm (V)
	Maximum Scan	400mm (H) x 300mm (V) (Dependent upon signal timing used)
OPERATING CONDITION	Temperature	41°F to 95°F (5°C to 35°C)
	Humidity	5% to 90% (no condensation)
DIMENSIONS	Physical	504mm (W) x 501mm (H) x 477mm (D) 19.8" (W) x 19.7" (H) x 18.8" (D)
WEIGHT	Net	32.0Kg (70.4 lbs.)
OTHER		DDC1, DDC2B, GTF
REGULATIONS		UL, DHHS, FCC-B, CE, CSA, MPR-II, ENERGY STAR®, TCO 99, ENERGY 2000, IC-B, TUV ERGO (ISO9241-3), TUV/GS, PCBC, PTB SECURITY, BSMI, SEMKO, NEMKO, DEMKO, FIMKO, VCCI-II, C-TICK, S-MARK, NOM, SASO
POWER MANAGEMENT		Meets Energy Star®, VESA® DPMS™, TCO 99, and Energy 2000 standards
WARRANTY		Three year limited warranty on CRT, parts and labor 48 hour Express Exchange® service option available



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*Requires Mac cable adapter. **Requires optional adapter.

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PF815 Competitive Summary and Technical Comparison

	ViewSonic	Mitsubishi	NEC	Compaq
	PF815	2040u	FE1250	P110
Actual Viewable Size	20.0"	20.0"	20.0"	19.8"
Dot Pitch (mm)	0.25-0.27 AG	0.24 AG	0.25-0.27 AG	0.25-0.27 AG
Horizontal Frequency	30-117	30-121	31-110	30-107
Maximum Resolution	1920 x 1440	1920 x 1440	1920 x 1440	1600 x 1200
1600 x 1200 NI	92 Hz	85 Hz	88 Hz	85 Hz
Emissions	TCO '99	TCO '99	TCO '99	TCO '95
Warranty (Parts)	3	3	3	3
Warranty (CRT)	3	3	3	3
Warrantv (Labor)	3	3	3	1

PF815 Benefits Summary:

ViewSonic Display Technology™ products have won more than 600 awards from independent publications and organizations. ViewSonic's leadership position is further supported by being ranked as United States' #1 best selling flat panel display and the leading non-captive monitor brand by Stanford Resources, Inc. (Flat Panel Monitrak, Q3 '99 and Monitrak Q4 '99).

The PF815 incorporates **PerfectFlat® screen** technology. Absolute flat screen provides realistically proportioned, precise images with reduction of ambient light reflection, image distortion and eye fatigue.

The PF815 has a **300MHz video input bandwidth**. It delivers a sharp and realistic image at high resolutions.

The PF815 has an **ARAG** screen treatment. This specially formulated anti-reflection, anti-glare screen treatment uses a multi-layer process to refract unwanted light away from the user while maintaining the highest quality of the displayed area.

The PF815 is TCO '99 and Energy 2000 certified. This monitor complies with the world's strictest standards of low radiation, safety, ergonomics, recycling and power management while saving costs through automatic power saving modes.

The PF815 has the most extensive warranty coverage versus all competitors with an excellent three year warranty for **parts, labor and CRT**. ViewSonic offers excellent Customer and Technical support 24 hours per day, seven days per week.



Professional Series

ViewSonic PF815

Designed with the PerfectFlat technology, the ViewSonic PF815 22" (20.0" viewable) monitor provides a super fine 0.25-0.27mm variable aperture grille pitch, a maximum flicker-free resolution of 1920 x 1440 refreshing at 75Hz, and a recommended resolution of 1600 x 1200 refreshing at 92Hz.

The PF815 features a video input bandwidth of 300MHz, dual inputs including BNC connector, Plug & Play+, OnView® controls including Corner Purity adjustment and ViewMatch® color. It is also TCO '99 and Energy 2000 certified.

Market Positioning

As the first ViewSonic 22" (20.0" viewable) monitor designed with the PerfectFlat technology, the PF815 provides edge-to-edge precise images and minimal glare in a large-screen display. With a flicker-free maximum resolution of 1920 x 1440, refreshing at 75Hz and a wide video input bandwidth of 300MHz, the PF815 delivers sharp and crisp images even at very high resolutions.

In addition, the monitor's low light transmission rate of 39.8%, coupled with its aperture grille mask and ARAG screen treatment, provides high contrast for ultimate image clarity and outstanding color saturation, making it the ideal choice for CAD/CAM, pre-press, imaging, animation, desktop publishing and graphic design. The PF815 is TCO'99 and Energy 2000 certified for the ultimate power efficiency. Offered at a competitive price, the PF815 is meant to be the price performance leader in a large-screen PerfectFlat CRT.

For demanding CAD/CAM users who prefer shadow mask technology to aperture grill design, ViewSonic recommends the award-winning P815.

Consider These Key Features of the PF815...

Feature	Advantage	Benefit
0.25-0.27mm AG Pitch	Super Fine AG pitch for superior picture quality	Delivers a sharp and crisp video image
1920 x 1440 @ 75Hz	Displays the maximum resolution at high refresh rates.	Flicker-free display eliminates eye strain and operator fatigue.
PerfectFlat™ Screen	An edge-to-edge flat screen that eliminates curved surface	Better picture clarity and minimal image distortion and eye fatigue.
ARAG® Coating	Multi-layer screen treatment more effective than traditional silica coating.	Better picture sharpness and overall quality with optimal anti-glare and anti-reflection effect.
OnView® Controls	Digital controls with on screen display for precise settings.	User-friendly, easy-to-use controls save time & enhance productivity.
ViewMatch® Color Control	Easy calibration of screen-to-print color matching.	Accurate and precision color matching provides true WYSIWIG.
TCO '99 Certified	Compliant to the world's strictest standards of safety, emissions, power consumption.	Low radiation, energy-efficient for cost saving, safe for both home and office use

Compare Us to the Competition

	ViewSonic PF815	Compaq P110	Mitsubishi DP 2040u	NEC FE1250	NEC FP1350	Sony G500
Actual Viewable Size	20.0"	19.8"	20.0"	20.0"	20"	19.8"
Flat Technology	Yes	Yes	Yes	Yes	Yes	Yes
Aperture Grille Pitch (mm)	.25 - .27	.24 - .25	.24	.25 - .27	.25 - .27	.24 AG
Horiz. Frequency (kHz)	30 - 117	30-121	30 - 121	31 - 110	31 - 115	30 - 121
Vertical Frequency (Hz)	50 - 180		50 - 160	55 - 160	55 - 160	48 - 160
1280 x 1024 Resolution	107 Hz	111 Hz	111 Hz	102 Hz	107 Hz	110 Hz
1600 x 1200 Resolution	92 Hz	95 Hz	85 Hz	88 Hz	92 Hz	85 Hz
Power Mac Compatible	Yes	Yes	Yes	Yes	Yes	Yes
Color Control	Yes	Yes	Yes	Yes	Yes	Yes
On Screen Controls	Yes	Yes	Yes	Yes	Yes	Yes
Emissions	TCO'99	TCO '99	TCO'99	TCO'99	TCO'99	TCO'95

Choose from some of ViewSonic's 22" / 21" (Various Viewable) Monitors

	ViewSonic PF815	ViewSonic P815	ViewSonic P810	ViewSonic G810
CRT Size	22"	21"	21"	21"
Viewable Size	20.0"	20.0"	20.0"	20.0"
Aperture Grille /Horizontal Pitch (mm)	0.25 - 0.27 AG	0.22 mm	0.22 mm	0.22 mm
Diagonal Dot Pitch (mm)	NA	0.25 mm	0.25 mm	0.25 mm
Horiz. Scan (kHz)	30 - 117	30 - 117	30 - 110	30 - 97
Vertical Scan (Hz)	50 - 180	50 - 180	50 - 180	50 - 180
1920 x 1440 NI	75 Hz	75 Hz		
1800 x 1440 NI	77 Hz	78 Hz	73 Hz	
1600 x 1200 NI	92 Hz	92 Hz	87 Hz	77 Hz
1280 x 1024 NI	107 Hz	108 Hz	101 Hz	86 Hz
Screen Technology	PerfectFlat	SuperClear	SuperClear	SuperClear
Mac compatible	Yes	Yes	Yes	Yes
On-Screen Control	Yes	Yes	Yes	Yes
Power Saving	Energy 2000	Energy 2000	Energy 2000	Energy 2000
Emissions	TCO'99	TCO'99	TCO'99	TCO'92