digitalized CRT, LightFrame™ and lead-free design

With first-ever one-chip Digital Deflection CPU for superb display, LightFrame™ for the best-ever sharpness and brightness, plus elegant appearance, lead-free design and ideal screen size, the 107C6 delivers exciting style and performance.

Outstanding front of screen performance

- Philips breakthrough advanced Digital Deflection CPU
- LightFrame™ delivers best-ever sharpness and brightness
- XGA 1024 x 768 resolution for sharper display
- Easy-on-the-eyes high-bright, high-contrast tube
- Real flat CRT for natural, distortion and glare-free display
- sRGB ensures color matching between display and printouts

Great convenience

- Compatibility with PC and Mac platforms

Green design

- Lead-free display protects your health and our environment
- Lower power consumption than industry average
- TCO guarantees the highest safety and ergonomics standards
- Environmentally responsible Energy Star Partner
- Flame retardant case safeguards display from fire



PHILIPS

17 inch CRT Monitor

Commercial Specifications

Picture/Display

Display Screen Type	Real Flat Picture Tube
Panel Size	17"/ 41 cm
Phosphor	P22
Recommended Display Area	306 x 230 mm (12.0" x 9.0")
Dot Pitch	0.25 mm
Horizontal Dot Pitch	0.21 mm
White Chromaticity, 6500° K	x = 0.313 / y = 0.329
White Chromaticity, 9300° K	x = 0.283 / y = 0.297
Maximum Resolution	1280 x 1024 @ 60 Hz
Recommended Resolution	1024 x 768 @ 85 Hz
Factory Preset Modes	8 modes: 640 x 480 @ 60 Hz, 640 x 480 @ 85 Hz, 720 x 400 @ 70 Hz, 800 x 600 @ 75 Hz, 800 x 600 @ 85 Hz, 1024 x 768 @ 75 Hz 1024 x 768 @ 85 Hz, 1280 x 1024 @ 60 Hz
Factory Preload Modes	14 modes
Video Dot Rate	120 MHz
Horizontal Scanning Frequency	30 - 71 KHz
Vertical Scanning Frequency	50 - 160 Hz
Recommended Refresh Rate	85 Hz
Screen Enhancements	Anti-glare Polarizer, Anti-reflection, Anti-static, High Brightness, High Contrast
Digital Deflection	Yes
LightFrame™	Yes
sRGB	Yes
GTF	Yes

Connectivity

Cables	D-sub Video Cable, Power Cord
Sync Input Impedance (ohm)	4.7 k
Video Input Impedance (ohm)	75
Video Input Signal Levels	0.7 Vpp
Video Sync Input Signal	Separate Sync
Video Sync Polarities	Positive and Negative
Cable Connection	AC Power in

Convenience

Convenience Enhancements	Menu Languages, On-screen Display
Monitor Controls	Brightness Direct Access, Contrast Direct Access, LightFrame Hotkey, Menu, Power On/Off
OSD Languages	English, French, German, Italian, Spanish, Portuguese, Korean, Simplified Chinese
Plug & Play Compatibility	DDC 2B Windows 98/ME/2000/XP
Regulatory Approvals	CE Mark, FCC-B, UL, CSA, NUTEK, Energy Star, SEMKO, TÜV/GS, TÜV Ergo, FDA, GOST, CCC, TCO'03, E2000
Swivel	+/- 90°
Tilt	-5° to 13°

Accessories

Included Accessories	AC Power Cord
User Manual	Yes

Dimensions

Depth (with base)	424 mm
Height (with base)	405 mm
Width (with base)	397 mm
Temperature Range (Operation)	0°C to 40°C
Temperature Range (Storage)	-25°C to 65°C
Weight	15.3 kg

Power

Complies With	Energy Star, NUTEK, E2000
Consumption	68 W (Typical)
Off Mode	1 W
Power LED Indicator	Off, Flashing Green; Operation, Green
Power Supply	Built-in

Product Highlights

Digital Deflection CPU
An exclusive Philips innovation -- the world's first one-chip CRT solution -- combines the deflection and the Microcontroller in a single chip to process and control input sync digitally. This innovative technology prevents electronic noise that can harm display quality, reduces display jitter and improves geometry for better front of screen performance.

LightFrame™
An intelligent and revolutionary technology for enhancing monitor's brightness, sharpness, contrast, and color. Images enhanced by LightFrame™ are lively, realistic, clear, attractive and colorful.

XGA, 1024 x 768 resolution
For graphics monitors, the screen resolution signifies the number of dots (pixels) on the entire screen. For example, a 1024-by-768 pixel screen is capable of displaying 1024 distinct dots on each of 768 lines, or about 786 thousand pixels. XGA provides resolutions of 640 by 480 or 1024 by 768 pixels.

High-bright, high-contrast tube
A CRT tube designed to increase display brightness and contrast by increasing the CRT ray gun's beam current.

Real flat CRT display
Philips advanced flat CRT technology that minimizes glare while reducing reflection and distortion, providing display quality superior to that of conventional CRTs.

sRGB ready
Calibrated RGB that is optimized for the vast majority of computer peripherals, monitors, operating systems and browsers, allowing accurate color mapping with very little data overhead.

Two platform compatibility
The ability to work with a variety of platforms; Philips monitors are compatible to connect with PC by employing a VGA connection and connect with Macintosh.

Lead free
Lead-free display products are designed and produced in compliance with strict European Community Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm health and the environment.

Energy efficiency
Reduction of the electrical power required to operate a device to achieve real savings.

TCO compliance
A TCO (Swedish confederation of Professional Employees) standard even more stringent than MPR-II for safety and ergonomics, especially concerning alternating electric fields (AEF).

Energy Star Partner
Power conservation requirements set forth by the Environmental Protection Agency of the U.S. government.

Flame retardant case
A system of limiting accidental fires by engineering flame retardants into the monitor's case.

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