

20" TFT LCD UXGA monitor



- 20-inch color LCD monitor with excellent display performance
- Multiple video input allowing displaying of DVI-I digital/analog, VGA analog, S-Video & CVBS Video inputs.
- Picture-in-Picture (PIP) function for displaying both PC and video simultaneous on the screen
- Embedded AC power supply
- Front firing speakers with 48W PMPO stereo sound output
- Advanced AUTO adjustment optimizes picture quality
- Adjustable tilt and swivel function



BRILLIANCE

Let's make things better.



PHILIPS

20" TFT LCD UXGA monitor



Technical Specifications

LCD panel

- Type: TFT LCD
- Screen size: 20.1 inch / 51 cm
- Pixel Pitch: 0.255 x 0.255mm
- Pixel Pitch: 1600 x 1200 pixels
- LCD Panel type: R.G.B. vertical stripe
- Effective viewing area: Anti-glare polarizer, hard coated
- Display colors: 408 x 306 mm
- Display colors: 8 bits interface (16M colors)

Scanning

- Vertical refresh rate: 56-85 Hz
- Horizontal frequency: 30-94 kHz (analog input), 30-92 KHz (digital input)

Video

- Video dot rate (Max.): 202 MHz
- Input impedance: 75 Ohm
- Input impedance - video: 2K Ohm
- Input impedance - Sync: 0.7 Vpp
- Input signal levels: Separate sync
- Sync input signal: Composite sync
- Sync input signal: Sync on green
- Sync polarities: Positive and negative
- S-Video: Y input 1.0Vpp, C input 0.3Vpp, 75 ohm input impedance
- CVBS: Composite, 1.0Vpp, 75 ohm input impedance
- Video interface: Triple input (two connectors): D-Sub (analog) and DVI-I (accepts both digital and analog) are available and user selectable S-Video & CVBS

Audio-In

- Input signal level: 0.7 Vpp
- Headphone out signal level: 32Ω 20+20mW
- Input signal connector: 3.5mm mini jack
- Loudspeaker: 2+2W RMS stereo front firing (PMPO: 48W)

Microphone

- Sensitivity: -55dB re 1V/μbar at 1kHz
- Output impedance: 2.2KΩ max
- Directivity: -5dB at 180°
- Frequency range: 300Hz-3KHz

Optical characteristics

- Contrast ratio: 300 (typ.)
- Brightness: 250 cd/m² (typ.)
- Peak contrast angle: 6 o'clock
- White chromaticity: x: 0.281 y: 0.311 (at 9300°K)
- White chromaticity: x: 0.312 y: 0.338 (at 6500°K)
- Viewing angle (C/R >10): Upper ≥ 85° (typ.)
- Viewing angle (C/R >10): Lower ≥ 85° (typ.)
- Viewing angle (C/R >10): Left ≥ 85° (typ.)
- Viewing angle (C/R >10): Right ≥ 85° (typ.)
- Response time: ≤30 ms (typ.)

Resolution & preset modes

- Maximum: 1600x1200 at 75Hz (analog input), 1600x1200 at 60Hz (digital input)
- Recommended: 1600x1200 at 60Hz
- 50 user definable modes:
- 18 factory preset modes:

	H.freq(KHz)/ V.freq (Hz)
640 x 350	31.5/70
720 x 400	31.5/70
640 x 480	31.5/60
640 x 480	35.0/67
640 x 480	37.5/75
800 x 600	35.2/56
800 x 600	37.9/60
800 x 600	46.9/75
832 x 624	49.7/75
1024 x 768	48.4/60
1024 x 768	60.0/75
1152 x 870	69.0/75
1152 x 900	71.8/76
1280 x 1024	63.9/60
1280 x 1024	80.0/75
1280 x 1024	91.1/85
1600 x 1200	75.0/60
1600 x 1200	93.8/75

(Interlace mode is not applicable)

We recommend using 1280 x 1024 at 60Hz non-interlaced mode for the best picture quality. As an Energy Star partner, Philips has determined that this product meets the Energy Star guidelines for energy efficiency.

Microsoft and Windows are registered trademarks of Microsoft Corporation. Macintosh is a registered trademark of Apple Computer, Inc.

Plug and play compatibility

- Display data channel DDC 2B (VESA)
- Microsoft® Windows® 95/98/ Me & 2000/XP compatible

Power management

- Complies with EPA Energy Star and NUTEK specifications
- Typical operation: 52W (typical)
- Sleep mode: 3W

Low-emission characteristics

- Complies with MPR-II and TCO '95 specifications

Monitor controls and functions

- Front:
 - Power on/off: Tact Switch
 - OK: Tact Switch
 - Up/ Down: Tact Switch
 - (Brightness): Tact Switch
 - Left/ Right: Tact Switch
 - (Volume): Tact Switch
 - Auto: Tact Switch
 - Mute: Tact Switch
 - Input: Tact Switch
 - PIP: Tact Switch
- LED indicator:
 - Power: Green: power on, Amber: stand by/ sleep mode, Flashing Green: New mode
 - Mute: Red
 - Video: Green
 - PC: Green

Connections and cables

- Connections on monitor:
 - Video in: 15-pin D-sub (analog), DVI-I (digital/analog), S-Video, CVBS
 - Power: IEC/CEE-22 type male power inlet on monitor body
 - Audio L/R in: 2RCA connectors
 - PC Audio in: 3.5mm audio in jack
 - Microphone out: 3.5mm Mic out jack
 - Headphone: 3.5mm headphone jack
 - Cables: D-Sub video cable, DVI to D-Sub video cable, S-Video cable, AV cable, Power cord, Audio in cable, Mic cable

Regulatory approvals

- TÜV/GS, TÜV-Ergo
- FCC-B, UL, CSA
- SEMKO
- MPR-II Low Emission
- CE Mark
- NUTEK, Energy Star
- TCO '95

Physical specifications

- Dimension (WxHxD): 488 x 459 x 220 mm
- Tilt / Swivel: -5° ~ 25° / ± 175°
- Weight: 10 Kg
- Power supply: 100 - 240 VAC, 50/60 Hz
- Power consumption: 52 W* (typ.)
- Temperature (operating): +5°C to +35°C
- Temperature (Storage): -20°C to +60°C
- Relative humidity: 20% to 80%
- System MTBF: 50K hrs (excluding CCFL 40K hrs)

* Resolution 1600x 1200, standard size, contrast max. brightness 50%, 9300°K, Full white pattern.

All data subject to change without notice

Release date: March 2001

www.philips.com

Let's make things better.



PHILIPS