

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
- Embedded AC power supply
- Front firing speakers with 48W PMPO stereo sound output
- Advanced AUTO adjustment optimizes picture quality
- Adjustable tilt and swivel function



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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
- LCD Panel type 1600 x 1200 pixels
R.G.B, vertical stripe
Anti-glare polarizer, hard coated
- Effective viewing area 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
 - video 75 Ohm
 - Sync 2K Ohm
- Input signal levels 0.7 Vpp
- Sync input signal Separate sync
Composite sync
Sync on green
- Sync polarities Positive and negative
- Video interface Triple input (two connectors):
D-Sub (analog) and DVI-I
(accepts both digital and analog)
are available and user selectable

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)
x: 0.312 y: 0.338 (at 6500°K)
- Viewing angle (C/R >10) Upper ≥ 85° (typ.)
Lower ≥ 85° (typ.)
Left ≥ 85° (typ.)
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)

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)
 - Left/ Right - Tact Switch
(Volume)
 - Auto - Tact Switch
 - Mute - Tact Switch
 - Input - Tact Switch
 - SIZE - Tact Switch
- LED indicator
 - Power Green: power on
Amber: stand by/ sleep mode
Flashing Green: New mode
 - Mute Red

Connections and cables

- Connections on monitor
 - Video in 15-pin D-sub (analog)
DVI-I (digital/analog)
 - Power IEC/CEE-22 type male power inlet
on monitor body
 - 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
 - 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)

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.

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

All data subject to change without notice

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