

18" TFT LCD SXGA monitor



- 18-inch color LCD monitor with excellent display performance
- Thinnest front bezel design in class
- Triple input featuring two connectors - accepts DVI-I digital/analog and VGA analog inputs
- Embedded AC power supply
- Front firing speakers with 48W PMPO stereo sound output
- Advanced AUTO adjustment optimizes picture quality
- Rotation for both portrait and landscape display
- Liner height adjustment for best viewing position
- Adjustable tilt and swivel function
- User installable bezel for optional protective cover choice
- Optional self-powered USB hub



Optional
USB HUB
PCUH411

Optional
Protective Cover
XG3P31

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PHILIPS

18" TFT LCD SXGA monitor



Technical Specifications

LCD panel

- Type: TFT LCD
- Screen size: 18.1 inch / 46 cm
- Pixel Pitch: 0.280x0.280mm
- LCD Panel type: 1280 x 1024 pixels
R.G.B. vertical stripe
Anti-glare polarizer, hard coated
359 x 287.2 mm
- Effective viewing area: 8 bits interface (16M colors)
- Display colors: 8 bits interface (16M colors)

Scanning

- Vertical refresh rate: 56-76 Hz
- Horizontal frequency: 30-82 kHz

Video

- Video dot rate (Max.): 135 MHz
- Input impedance: 75 Ohm
- Input signal levels: 2K Ohm
- Sync: 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

- 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: 350 (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: 1280x1024 at 75Hz
 - Recommended: 1280x1024 at 60Hz
 - 32 user definable modes
 - 15 factory preset modes:
- | | H.freq(KHz)/V.freq (Hz) |
|-------------|-------------------------|
| 640 x 350 | 31.5K/70 |
| 720 x 400 | 31.5K/70 |
| 640 x 480 | 31.5K/60 |
| 640 x 480 | 35.0K/67 |
| 640 x 480 | 37.5K/75 |
| 800 x 600 | 35.2K/56 |
| 800 x 600 | 37.9K/60 |
| 800 x 600 | 46.9K/75 |
| 832 x 624 | 49.7K/75 |
| 1024 x 768 | 48.4K/60 |
| 1024 x 768 | 60.0K/75 |
| 1152 x 870 | 69.0K/75 |
| 1152 x 900 | 71.8K/76 |
| 1280 x 1024 | 63.9K/60 |
| 1280 x 1024 | 80.0K/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: 50W (typical)
- Sleep mode: 2W

Low-emission characteristics

- Complies with MPR-II and TCO '99 specifications

Monitor controls and functions

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

Multimedia Base controls & function

- Front: Power on/off & Volume adjustment - pop out rotary
Bass - tact switch
Mute - tact switch
Microphone in - built-in internally
- LED indicator: Green - Power on
Green - Bass
Red - Mute

Connections and cables

- Connections on monitor:
 - Video: 15-pin D-sub (analog)
DVI-I (digital/analog)
 - DC output: 12V, 6.5mm DC connector
 - Power: IEC/CEE-22 type male power inlet on monitor body,
- Connections on base:
 - Audio in & Mic out: 3.5mm audio in and Mic out jack
 - Headphone: 3.5mm headphone jack
 - Mic phone in: 3.5mm Microphone in jack
 - Cables: D-Sub video cable, DVI to D-Sub video cable
Power cord, 12V DC in flying cable on base
Audio Cable; Mic Cable

User Options Accessories (sold separately)

- USB Hub (PCUH411)
 - 1 Up stream port
 - 4 Down stream ports
 - Self-powered
 - Digital communication speed up to 12Mbps
- Protective cover (XG3P31)

Regulatory approvals

- TUV/GS, TUV-Ergo
- FCC-B, UL, CSA
- SEMCO
- MPR-II Low Emission
- CE Mark
- NUTEK, Energy Star
- TCO '99

Physical specifications

- Dimension (WxHxD): 399 x 424 x 184 mm (in lowest position)
- Tilt / Swivel: 0°-35° / +/- 175°
- Height adjustment range: 50mm
- Portrait display: 90° rotation counter clockwise
- Weight: 8.0 Kg
- Power supply: 100 - 240 VAC, 50/60 Hz
- Power consumption: 50 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 (including CCFL 50K hrs)

* Resolution 1280x 1024, standard size, contrast max. brightness 50%, 9300°K, Full white pattern.

All data subject to change without notice

Release date: October 2001

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