

15" TFT LCD XGA color monitor



Embedded Power Supply

- 15-inch color LCD monitor with excellent display performance
- Ultra slim frame design
- Standard VGA analog input
- Embedded universal AC power supply
- AUTO adjustment optimizes picture quality



PHILIPS

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Technical Specifications

LCD panel

- Type TFT LCD
- Screen size 15 inch / 38.1 cm
- Pixel pitch 0.297 x 0.297mm
- LCD panel type 1024 x 768 pixels, R.G.B vertical stripe
Anti-glare polarizer, hard coated
- Effective viewing area 304.1 x 228.1mm
- Display colors 16.7M colors

Scanning

- Vertical refresh rate 56~76 Hz
- Horizontal frequency 30~61 KHz

Video

- Video dot rate 80 MHz
- Input impedance
 - video 75 ohm
 - Sync 2K ohm
- Input signal levels 0.7Vpp
- Sync input signal Separate sync
Composite sync
Sync on green
- Sync polarities Positive and negative
- Video interface Analog (D-Sub) input

Optical characteristics

- Contrast ratio 400 (typ.)
- Brightness 250 cd/m2 (typ.)
- Peak contrast angle 6 o'clock
- White chromaticity x: 0.283 y: 0.297 (at 9300°K)
x: 0.313 y: 0.329 (at 6500°K)
- Viewing angle (C/R >5)
 - Upper ≥ 50° (typ.)
 - Lower ≥ 60° (typ.)
 - Left ≥ 75° (typ.)
 - Right ≥ 75° (typ.)
- Response time ≤30 ms (typ.)

Resolution & preset modes

- Maximum 1024x768 at 75Hz
- Recommended 1024x768 at 60Hz
- 14 user definable modes
- 14 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	37.8	73
640 x 480	37.5	75
800 x 600	35.2	56
800 x 600	37.9	60
800 x 600	48.0	72
800 x 600	46.9	75
832 x 624	49.7	75
1024 x 768	48.4	60
1024 x 768	56.5	70
1024 x 768	60.0	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 18W (typical)
- Sleep mode 1W

Low-emission characteristics

- Complies with MPR-II and TCO '95 specifications

Monitor controls and functions

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

Connections and cables

- Connections on monitor body
 - Video 15-pin D-sub (analog) connector
 - DC output 12V, 6.5mm DC connector
 - Power IEC/CEE-22 type male power inlet
- Cables D-Sub video cable, Power 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) 343 x 310 x 170 mm (incl. Pedestal)
- Tilt -5°~25°
- Weight 3.7 Kg
- Power supply 100 – 240 VAC, 50/60 Hz
- Power consumption 18 W* (typ.)
- Temperature (operating) +5°C to +40°C
- Temperature (storage) -20°C to +60°C
- Relative humidity 20% to 80%
- System MTBF 50K hrs (excluding CCFL 30K hrs)

* Resolution 1024x 768, standard size, contrast max., brightness 50%, 9300°K, full white pattern, without Audio/USB.

We recommend using 1024 x 768 at 60Hz non-interlaced mode for the best picture quality

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All data subject to change without notice
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