

All-in-one full-featured LCD monitor and TV combo

- 15-inch XGA LCD monitor TV with excellent display performance
- HDTV setup box and Progressive DVD input (1080i/ 720p/ 576p/ 480p)
- Multiple video inputs for display of PC, TV, DVD and VCD signals
- Screen mode adjustment for best movie/DVD viewing ratio
- Digital Nicam/ 2CS stereo (available only in Asia Pacific and Western Europe)
- AUTO adjustment optimizes picture quality
- Standard VGA analog input
- Embedded universal AC power supply



PHILIPS

15" LCD Monitor TV



Technical Specifications

LCD panel

- Type: TFT LCD
- Screen size: 15.0 inch
- Pixel pitch: 0.297 x 0.297 mm
- LCD panel type: 1024 x 768 pixels
R.G.B vertical stripe
Anti-glare polarizer, hard coated
- Effective viewing area: 304.1 x 228.1 mm
- Display colors: 16.7M colors

Scanning

- Vertical refresh rate: 56~76 Hz
- Horizontal frequency: 30~63 KHz

Video

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

Optical characteristics

- Contrast ratio: 350:1 (typical)
- Brightness: 250 cd/m² (typical)
- 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° (typical)
Lower	≥ 60° (typical)
Left	≥ 75° (typical)
Right	≥ 75° (typical)
- Response time: 25 ms (typical)

Resolution & preset modes

- Maximum: 1024 x 768 at 75 Hz
 - Recommended: 1024 x 768 at 60 Hz
 - User definable modes: 14
 - Factory preset modes: 11
- | | H.freq (KHz) | V.freq (Hz) |
|------------|--------------|-------------|
| PC | | |
| 640 x 350 | 31.5 | 70 |
| 640 x 480 | 31.5 | 60 |
| 640 x 480 | 35.0 | 67 |
| 640 x 480 | 37.5 | 75 |
| 720 x 400 | 31.5 | 70 |
| 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 |

PC

640 x 350	31.5	70
640 x 480	31.5	60
640 x 480	35.0	67
640 x 480	37.5	75
720 x 400	31.5	70
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

SD Video input

480i (NTSC)	15.734 KHz	60 Hz
576i (PAL)	15.625 KHz	50 Hz

HD Video input

ED 480p	31.470 KHz	60 Hz
HD 720p	45.000 KHz	60 Hz
HD 1080i	33.750 KHz	60 Hz
HD 576p	31.250 KHz	50 Hz
HD 720p	37.500 KHz	50 Hz
HD 1080i	28.125 KHz	50 Hz

(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: 25 W (typical)
- Sleep mode: 1 W (110 V), 2 W (220 V)

Low-emission characteristics

- Complies with MPR-II and TCO '99 specifications

Connections

BACK

- D-sub in (for PC)
- TV in (antenna/cable)
- S-Video in
- CVBS Video in
- AV Audio L/R in
- PC Audio in
- 12Volt AC in
- Stereo line out Jack 3.5mm for external speaker

SIDE

- Headphone Jack 3.5mm out

Monitor controls and functions

- Front:

Power on/off	- Tact switch
OK	- Tact switch
Source	- Tact switch
Up/Down	- Tact switch
Left/Right	- Tact switch
Green	Power on
Amber	Stand by/ sleep mode
- LED indicator

Regulatory approvals

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

Physical specifications

- Dim. incl. base (W x H x D): 360 x 356 x 177 mm (incl. pedestal)
- Dim. excl. base (W x H x D): 360 x 320 x 62.3 mm
- Tilt: -5°~25°
- Net weight: 4.10 Kg
- Power supply: 100 - 240 VAC, 50/60 Hz
- Power consumption: 25 W* (typical)
- 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)

Picture

- Comb Filter (available only in Asia Pacific and Western Europe)
- Digital Comb Filter (available only in NTSC system)

Sound

- 2.0W stereo audio (1 W/channel, dual RMS x 2, 200 Hz - 10 KHz, 16 Ohms, 10% THD)
- Digital Nicam 2CS stereo (available only in Asia Pacific and Western Europe)

Ease of Use Installation

- Remote control
- 100 present channels (available only in Asia Pacific and Western Europe)
- 181 channels (available only in NTSC system)
- Autostore
- Sleep timer

Reception

- TV system (Asia Pacific): PAL B/G and NTSC M (support Muti-system)
- TV system (West Europe): PAL (B/G, D/K, I) and SECAM L, L'
- TV system (China): PAL (D/K)
- TV system (NAFTA): NTSC M
- Stereo system: Nicam/ IGR/ 2CS (available only in Asia Pacific and Western Europe)
- Stereo system: MTS with SAP (available only in NTSC system)
- Video playback: NTSC 4.43/3.58

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

All data subject to change without notice
Release date: December 2003

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