PHILIPS

LCD monitor

42"

multimedia

WXGA

BDL4221V

Robust Display for Demanding Applications

Control your costs with this rugged network-controllable 42" LCD monitor. Whether used in a network, a tiled matrix or as a single public display, this model offers a variety of features to meet the most demanding applications

Optimized for public viewing
- Wide format WXGA 1366 x 768 resolution for sharper display
- Brightness automatically adjusts with ambient conditions

Designed for public areas
- Robust metal bezel and metal backcover
- Security feature prevents unauthorized control

Operational flexibility for different applications
- Monitor is network controllable for remote management
- Enhanced zoom feature supports tiled matrix applications
- VGA loop through enables daisychaining to multiple monitors
- Portrait mode operability
- Optional TV tuner

Lower total cost of ownership
- Intelligent power management for lower consumption
- No permanent burn-in when static information is displayed

Highlights

WXGA 1366 x 768 resolution
The wide format of XGA resolution LCD panel is capable of displaying 1366 x 768 pixels; WXGA allows monitors to be non-interlaced to ensure a better display performance and accurate color display effect.

Automatic brightness control
The adjustment of display settings to correspond with ambient light without user intervention.

Robust metal bezel
Specially designed for demanding public applications, the metal bezel offers higher durability and protection against vandalism. Annodized paint is used to offer extra protection of the bezel against scratches.

No unauthorized control
The local controls of the display are placed in such a way that they are less visible for immediate access. Furthermore the remote control sensor and the keypad on the display can be disabled via RS232 in order to prevent unauthorized control of the display when placed in a public space.

Network controllability: RS232
Network controllability allows user to control and adjust monitors remotely through RS232 protocol.

Zoom function for tiled matrix
The internal zoom function enables easy implementation of a video wall matrix, without the need for expensive external equipment. Capable of 2x2, 3x3, 4x4 and 5x1 configurations.

Signal loop through
Multiple screen daisy chain effectively distributes control and visual content from a single source to an array of monitors in various locations within a site.

Portrait mounting possible
This display is also able to be safely and reliably mounted in portrait position.

Optional TV tuner
An optional TV tuner can be ordered separately and installed by the user by simply plugging in the unit in a slot at the back of the monitor. When switching on the monitor the tuner will be recognized.

Intelligent power management
Intelligent power management employs energy-efficient technologies in product design to reduce power consumption and significantly lower the total cost of ownership.

HD ready | 3D DIGITAL COMBFILTER | ROBUST | Portrait Mounting | Lead Free

Specifications

Picture/Display

LCD panel type: 1366 x 768 pixels, Anti-glare polarizer
Panel Size: 42" / 106.7cm
Aspect ratio: 16:9
Pixel pitch: 0.227 x 0.681 mm
Brightness: 600 cd/m²
Contrast ratio (typical): 1200:1
Display colors: 16.7 Million colors
Viewing angle (H / V): 178 / 178 degree
Response time (typical): 10 ms
Optimum Resolution: 1360 x 768 @ 60Hz
Horizontal Scanning Frequency: 30 – 63 kHz
Vertical Scanning Frequency: 56 – 75 Hz
Picture enhancement: 3D Combfilter, De-interlacer, Picture in Picture, Progressive Scan

Supported Display Resolution

Computer formats

Resolution	Refresh rate
640 x 480	60, 75Hz
720 x 400	70Hz
800 x 600	60, 75Hz
1024 x 768	60, 75Hz
1280 x 768	60Hz
1360 x 768	60Hz

Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576p	50Hz
576i	50Hz
720p	50, 60Hz
1080i	50, 60Hz

Connectivity

PC: 3.5 mm PC audio input x1, DVI-D with HDCP, RS232 D-Sub9, RS232 D-sub9 output, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
AV input: Component (YPbPr) x1, Audio (L/R) for YPbPr x1, Composite (CVBS) x1, Audio (L/R) x1, S-video x1, SCART x1
AV output: Composite (CVBS) x1, Audio (L/R) x1
Audio output: Stereo Audio (3.5 mm jack) 1x, External loudspeaker connector

Convenience

Picture in Picture: 1 tuner PIP, Double window
User convenience: Automatic Brightness Control, Automatic Overheat Warning, On-screen Display
OSD Languages: English, French, German, Italian, Spanish, Simplified Chinese
Detachable Audio: 2x10 W RMS Speakers
Onboard Operating Controls: Hidden controls
Other convenience: Cable management, Carrying handles, Kensington lock
Plug & Play Compatibility: sRGB, Windows 98/ME/2000/XP
Network controllable: RS232
VESA Mount: 600 x 400 mm
Regulatory Approvals: C-Tick, CE Mark, FCC-B, UL, CSA, MPRII, TÜV/GS

Power

Consumption (On mode): typ. 140 W (PC), 220 W (TV)
Power supply: Built-in, 90-264 VAC, 50/60 Hz
Sleep Mode: <3W

Dimensions

Dimensions (w/o base & speakers) (W x H x D): 1052 x 644 x 150 mm
Width (with speakers): 1272 mm
Set dimensions in inch (W x H x D): 42.42 x 25.76 x 5.91 inch
Width (with speakers) (inch): 50.079 inch
Weight: 31 kg
Product weight (lb): 68.34
MTBF: 50,000 hrs
Temperature (operation): 0ºC to +35ºC
Relative humidity: 5% – 90%

Accessories

Included Accessories: Speakers (L/R), Table top stand (2 feet), DVI-D cable, VGA cable, Remote Control, Battery, AC Power Cord
Optional accessories: PAL tuner box BPL4221R1, Ceiling mount BM04111&BM01111, Fixed wall mount BM02111, Flex wallmount BM04111&BM02212
User Guide on CD-ROM

Miscellaneous

Warranty: Europe: 3-year on site, APMEA: 1 year
Bezel: metallic anthracite