



15" LCD Color Monitor
Analog, Digital and
Video input
Medical Grade

FIMI



E150B

Medical monitor for Endoscopy, Control rooms, Patient monitoring

The E150B is part of an LCD product line specifically designed for medical applications. Its wide number of features makes this product the ideal solution for Endoscopy and an excellent replacement of legacy CRT monitors. The product offers a very attractive price / performance ratio.

Features and Benefits

- High brightness and high contrast 1024 x 768 LCD panel
- Wide range of video and computer input
- S-video loop-through output
- Accurate colour reproduction with full control of color temperature (presets and user defined)
- Robust anti-reflective, anti-glare protection screen
- RS232 serial interface for remote control
- External power supply
- Compliant with Safety Medical standards

PHILIPS
sense and simplicity

Specifications

Display Characteristic

Technology:	Active matrix LCD
Display size:	15.0 inch (380 mm)
Native Resolution:	XGA (1024 x 768)
Display colours:	16,8 M colors, 24-bit
Pixel pitch:	0.297 x 0.297 mm
Viewing angle:	170° Hor. / 170° Ver
White Luminance:	300 cd/m2 (Typ.)
Contrast ratio:	700 : 1 (Typ.)
Response time:	Ton+Toff = 25 ms (Typ)

Input Output Signals

Computer analog & digital:	DVI-I
Composite (in):	BNC (x1) 1.0 Vp-p ±3 dB, neg. Sync
S-Video (in):	4 pin mini Din
S-Video (out):	Active loop-through
Remote (RS232):	9 pin connector

Protection Screen

Double-coated, anti-reflective :	Hardness 8H Transmittance > 98% Reflective rate < 1%
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General

Dimensions:	396 x 318 x 75
Weight:	4.4 Kg
Standard mounting:	VESA 75 compatible
Power supply:	100 to 240 VAC ±10%, 47-63 Hz, auto switch
External Med AC/DC adapter:	+ 12 V (included)
Power consumption:	35W (7W stand-by)
Operating temperature:	0° to 40°C
Storage temperature:	-20° to 60°C
Relative humidity:	20% to 90%, non condensing

Compliance & Certifications

Medical Electrical Safety Standards:	IEC60601-1, UL60601-1, CSA-C22.2 nr 601-1-M90
Medical EMC Standards:	IEC60601-1-2, EN55011 /CISPR 11, FCC CFR47 part 15 & 18
Approvals/Marking:	CE, C-UL-US

Functionality

Excellent picture performance

The E150B offers an outstanding picture quality thanks to its top quality, 8-bit 15" LCD panel delivering high resolution, wide viewing angle, high brightness and high contrast.

Compact and lightweight

It offers a perfect solution for applications where the dimension is critical and a perfect, less expensive solution as second monitor.

User interface

Set of 5 keys located on the right-bottom side of the front bezel, for direct control of brightness, contrast, input selection and OSD menu. The keyboard can be locked to avoid unwanted parameters changes.

OSD menu

All picture parameters can be easily adjusted for a perfect match with any video input.
Available controls: Brightness / Contrast / Color temperature / Color saturation / Image size / User memory / Input signal / Power saving mode.
User picture settings can be saved (2 user preferences).

RS232 interface

Main functions can be controlled with commands through the serial port

Easy mounting

It allows an easy mounting using the VESA 75 standard interface or can be used with the optional pedestal.

Safe & Reliable

A stringent reliability plan has been applied during the design stage to assure many years of trouble-free operation in the field. Production is continuously monitored by short-term and long-term quality testing to maintain the product reliability

Protection

Protection against ingress of solid and water (IP21).
The monitor has been designed to give an high protection (IP54) on the front side, to allow an accurate cleaning and disinfection of the front panel.



Further information,:

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