

AHB-150B Series

15" Hi-Brightness TFT LCD Display Monitors



▲ AHB-150B



▼ AHB-150B

Introduction

AAEON's u-Lite Series provide backlight enhanced technology will increase visibility both indoors and outdoors and widens the viewing angle.

u-Lite Series has the best performance with sunlight viewable, and brightness up to 1800cd/m². The superior features incorporated into this display module offer cutting edge technology. First, the Hot-Key Controller (HKC) allows the user to adjust the level of brightness with ease. Second, an Ambient Light Sensor (ALS) permits the system to automatically balance the brightness of the screen in regards with its surroundings. It also offers S-Video and Composite video AV signal and supports OSD function. The chassis is constructed with an aluminum front panel and stainless steel chassis. u-Lite series also meets NEMA 4/12 & IP65 compliant. This proves to be an essential factor with outdoor integration. Those markets that may utilize AAEON's u-Lite series include Industrial, Medical, Hospitality and Advertisement & Entertainment.

Under the sun, you see the brighter World!

Features

- 15" XGA TFT color flat panel display
- Ambient Light Sensor (ALS) for automatic brightness adjustment
- Hot-key Controller (HKC) with auto, OSD & four level brightness button

- Heavy-duty steel chassis and aluminum alloy front panel (Optional)
- Strengthened glass protects the front panel from shock damage
- Lockable external DC power connector
- Internal stereo sound amplifier and speakers
- Interface :
Analog RGB from VGA to XGA
Multi video formats (NTSC/PAL/SECAM)
- Resistive touchscreen (Optional)
- VESA 75mm standard screw holes

Specifications

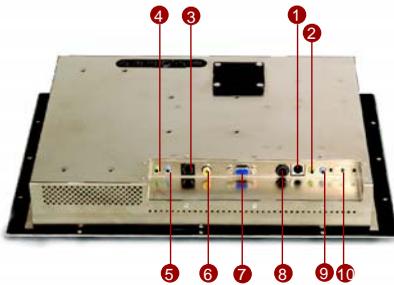
- **Construction:** Heavy-duty steel chassis & Aluminum alloy front panel meets NEMA4/12 & IP65
- **Front panel color:** RAL-7035 (white)
- **Mounting:** Panel mount, Swivel arm
- **Input signal:** RGB, Composite video
- **Control:**
OSD(On Screen Display) on rear panel, HKC
- **Power supply:**
Universal power, 90-240V,12V/100W
- **Dimensions (W x H x D):**
AHB-150: 417 x 295 x 66.5 mm(16.4" x 11.6"x 2.6")
AHB-150B: 420 x 300 x 72.5 mm(16.5" x 11.8" x 2.9")
- **Gross Weight:**
AHB-150 : 6.5Kg(14.3 lbs)
AHB-150B : 7.5Kg(16.5 lbs)

LCD Specification

Model	AHB-150/AHB-150B
Display type	15" color TFT LCD
Max. resolution	1024 x 768
Max. colors	16.7M
Dot size (mm)	0.297 x 0.297
Luminance (cd/m ²)	1800
Viewing angle	160° (H) 160° (V)
Operating temperature	0° ~50°C (32~122°F)
OSD	Yes
LCD MTBF(Hrs)	50,000
Back Light MTBF(Hrs)	25,000

Environmental Specifications

- **Operating temperature:** 0° to 45°C (32~113°F)
- **Storage temperature:** -20° to 60°C (-4~140°F)
- **Storage humidity:** 10 to 95% @40°C, non-condensing
- **Vibration:**
1G / 5 ~ 500Hz / operation
- **Shock:** 10G peak acceleration (11 msec. duration)
- **EMI:** CE / FCC Class A



1. Hot-Key Controller (HKC)
2. Ambient Light Sensor (ALS)
3. S-Video
4. Line out
5. Audio In
6. Composite
7. DB-15
8. Power
9. Sensor (Optional)
10. Touch (Optional)

Touchscreen (optional)

Type: 8-wire, analog resistive

Resolution: 1024 x 1024

Light transmission: >75%

Lifetime: 1 million activations

Operating pressure: 90g average for finger, 70g average with non-metal stylus

Controller: RS-232 interface

OS support: MS DOS, Windows 3.1, Windows 95, Windows 98, Windows ME, Windows NT, Windows 2000

Ordering Information

- **AHB-150**
Open frame u-Lite Hi-brightness 15" TFT LCD display
- **AHB-150T**
AHB-150 + resistive touchscreen (RS-232 interface)
- **AHB-150B**
AHB-150 with aluminum front bezel
- **AHB-150BT**
AHB-150B + resistive touchscreen (RS-232 interface)
- **ARM-LA0115** (refer to p.82)
Swivel arm with VESA 75/100 standards



Hot-Key Controller (HKC)



Ambient Light Sensor (ALS)

Dimension

