

**USER'S
MANUAL**

ATHERTON

4.3" TVI/AHD TEST MONITOR

MODEL: ATT043

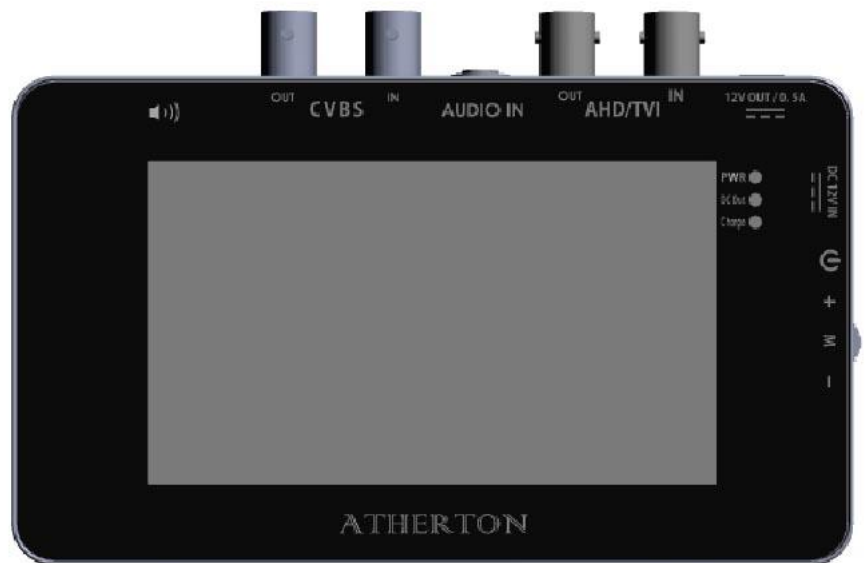


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FCC INFORMATION

This Equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WARNING

[A shielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used.]

[Use only shielded cables to connect I/O devices to this equipment.]

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

[]: depend on EUT condition.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received; including interference that may cause undesired operation.

CE INFORMATION

The product must be installed according to the currently valid installation regulations for EMC to guarantee the designed use and to prevent EMC problems.

The device supplied with this manual is according to the EC, EMC Directive.

SAFETY AND ENVIRONMENTAL PRECAUTIONS

1. Charging this unit only from the charger comes with the package.
2. Do not try to replace the battery which secured inside the cabinet.
3. Do not place this monitor near a radiator or heating vent.
4. Do not use monitor in wet areas, or where it may be exposed to rain or water. Do not spill liquid of any kind on the unit.
5. Use only a damp cloth. Do not use alcohol, spirits, or ammonia to clean the display.

DO NOT ATTEMPT TO CLEAN THE INTERIOR OF THIS UNIT- THIS ACTION MUST BE PERFORMED BY THE SERVICE TECHNICIAN AS REQUIRED DURING NORMAL MAINTENANCE.

6. Refer all servicing to qualified service personnel. **REMOVAL OF BACK COVER BY UNAUTHORIZED PERSONNEL MAY EXPOSE THE USER TO DANGEROUS VOLTAGES OR OTHER HAZARDS.**
7. Stop using the unit immediately and notify the service technician.
 - A. If liquid has been spilled into the display or the display has been exposed to rain or water.
 - B. If the unit has been dropped or the cabinet damaged.
 - C. If the battery life time extremely short.
 - D. If the charging time extremely long.
 - E. If a distinct change from normal operation is apparent.

When replacement parts are required, be sure that the service technician uses components specified by the manufacturer which have the same characteristics as the original parts. **UNAUTHORIZED SUBSTITUTIONS MAY RESULT IN FIRE, OVER HEAT OR OTHER HAZARDS.**

Upon completion of any service or repairs, ask the technician to perform safety checks to determine that the equipment is in safe operating condition.

WARNING:

- * **SERIOUS SHOCK HAZARDS EXIST WITHIN THE COVERS OF THIS MONITOR. DO NOT OPEN THE COVERS UNDER ANY CIRCUMSTANCES, THERE ARE NO USER SERVICEABLE COMPONENTS INSIDE**
- * **CAUTION - USE RECOMMENDED MOUNTING APPARATUS TO AVOID RISK OF INJURY**



Do not dispose of your device in a fire.



Do not throw your device in the trash.



Your device contains an internal lithium ion battery and it may require recycling in accordance with local laws. Contact your local regulatory authorities for more information.



This device is compliance with RoHS.



WARRANTY VOID IF SEAL IS BROKEN

1. Scope

This specification is used to define the performance of ATT043 TVI/AHD test monitor. ATT043 supports CVBS, AHD and TVI. For CVBS, both NTSC and PAL system can be auto detected. For AHD or TVI, both systems can support up to Full HD mode.

2. Unpacking

After you unpack your OLED test monitor, make sure the following items are included in the box and in good conditions:

- 4.3" test monitor
- Charger (Power Adaptor)
- Power Cord
- DC-DC cable
- Wrist Band
- Carrying case
- User's Manual

3. Getting Started

Charging the battery

- The embedded Li-ion battery must be fully charged before your first time to use it. Please always use the charger along with this device to charging monitor.
- During the charging period, the Charge LED indicates steady amber. Once charging completed, the Charge LED turns off.

[NOTE]: 1. The charging process must be performed under room temperature. Extreme high or low, environment temperature is harmful for battery.
2. Operating the monitor during charging period could extend charging time or damage battery.

Turn ON & OFF the monitor

- ON - Press the power button can turns monitor ON, the Power LED will indicates green light. If there is no available signal input, the screen will shows “No Signal” & blue background for 6 seconds then vanish and at the meantime Power LED indicates flashing light. Monitor will auto-power-off if signal doesn't available for 10 minutes for save battery power. Repeat the procedure to turns monitor ON if the monitor auto-power-off.
- OFF - Press and hold the power button for approximate 3 seconds to turns monitor OFF.






Feeding the signal

- Use BNC connector to feeding composite video signal onto “CVBS IN” terminal.
- Use BNC connector to feeding TVI or AHD signal onto “AHD/ TVI” terminal.

Looping the signal

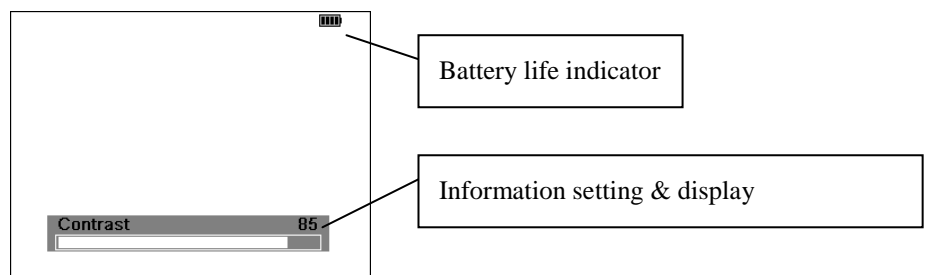
- Connect the BNC terminal “CVBS OUT” for output purpose.
- Connect the BNC terminal “AHD/TVI OUT” for output purpose.

Battery bar indicator

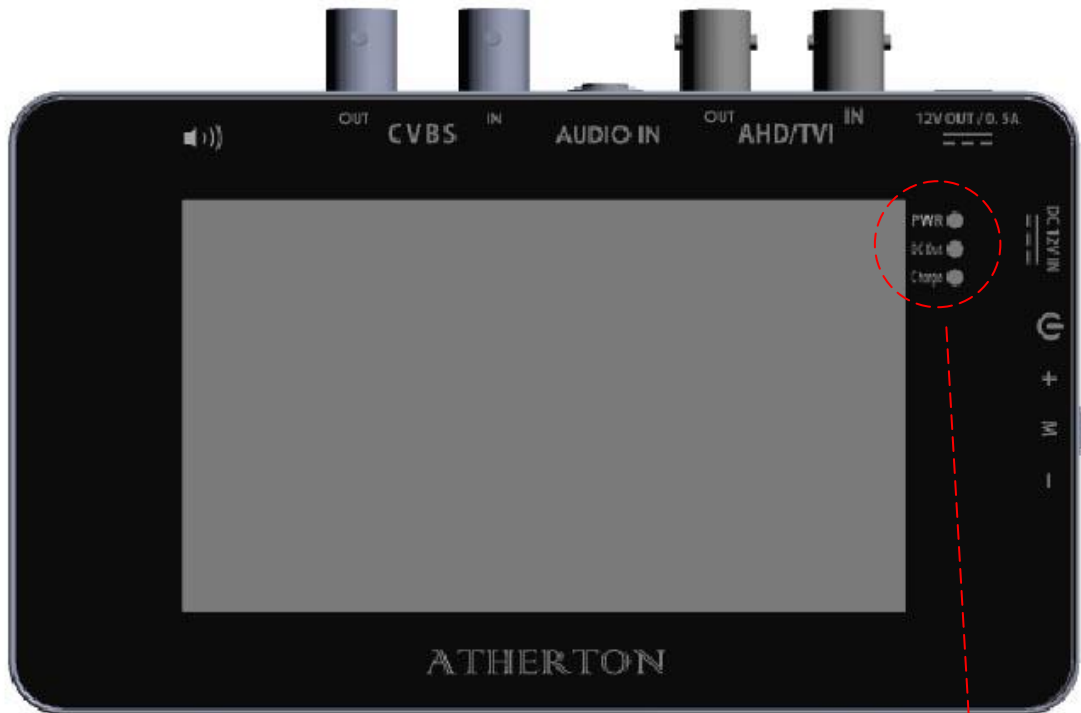
- The battery life will shows on top right corner of the screen to indicate the rest of battery life. During the battery indicator down to last bar, both battery and Charge LED indicator start to flashing when input signal available.
- The battery life indicator defined as follows:
 -  Battery Charging.
 -  Battery level OK.
 -  Battery level is slightly down, but adequate power remains.
 -  Battery remains around 30 minutes running time.
 -  Battery remains around 10 minutes running time. Battery indicator will become flashing RED if continue to use. The monitor will shut down in about 1 minute.

[NOTE]: The battery life will vary correspondence with CONTRAST/ BRIGHTNESS/ VOLUME/ DC OUT setting, the higher setting value the less battery life sustained.

Display on the screen



4. Controls and indicators



Level Switch – ‘+’ ‘M’ ‘-’

Press M to enter to monitor OSD control. Dial + or - to adjust the volume.

Power Key and LED identification

- Press the power button to turn ON or turn OFF the monitor
- PWR LED Green- Power on
- PWR LED Dark- Power off
- DC Out LED Amber- DC 12V on
- DC Out LED Dark- DC 12V off
- Charge LED Amber- Charging
- Charge LED Dark- No charge or Charge complete



OSD Control

Input Source Selection:

- Dial Level Switch '-' button to select the input source of CVBS, AHD, TVI.
- Press Level Switch 'M' button to confirm the selection.



OSD Selection:

Press 'M' key to select BRIGHTNESS OSD and dial '-' or '+' to decrease or increase the value.



Press 'M' key to select CONTRAST OSD and dial '-' or '+' to decrease or increase the value.



Press 'M' key to select DC OUT OSD and dial '-' or '+' to switch the DC OUT ON/OFF.



Press 'M' key to select VOLUME OSD and dial '-' or '+' to decrease or increase the value.



5. Regulatory Agency

5.1 Safety Approvals

This series design shall meet the standards of the following domestic and foreign agencies:

CE LVD : EN 60950-1

5.2 EMI/EMS Emission Approvals

This series design shall meet following EMI/EMS specifications:

FCC Compliance: FCC Rules and Regulations, Part 15, subpart B, Class A.

CE COMPLIANCE: EN55022 class A, EN55024, EN50130-4

6. Reliability

Mean Time Between Failures (MTBF):

MTBF shall be 50,000 hours minimum at 90% confidence level and 100% duty cycle continuous operation at 25°C. The calculation shall not include OLED panel and Battery.

To avoid persistent image on OLED panel, do not leave any stationary images, patterns or letterbox image on the screen for an extended period of time. This may result in permanent burnt or ghost image on the screen. This type of damage is normal and is not covered by manufacturer's limited warranty.

7. Mechanical

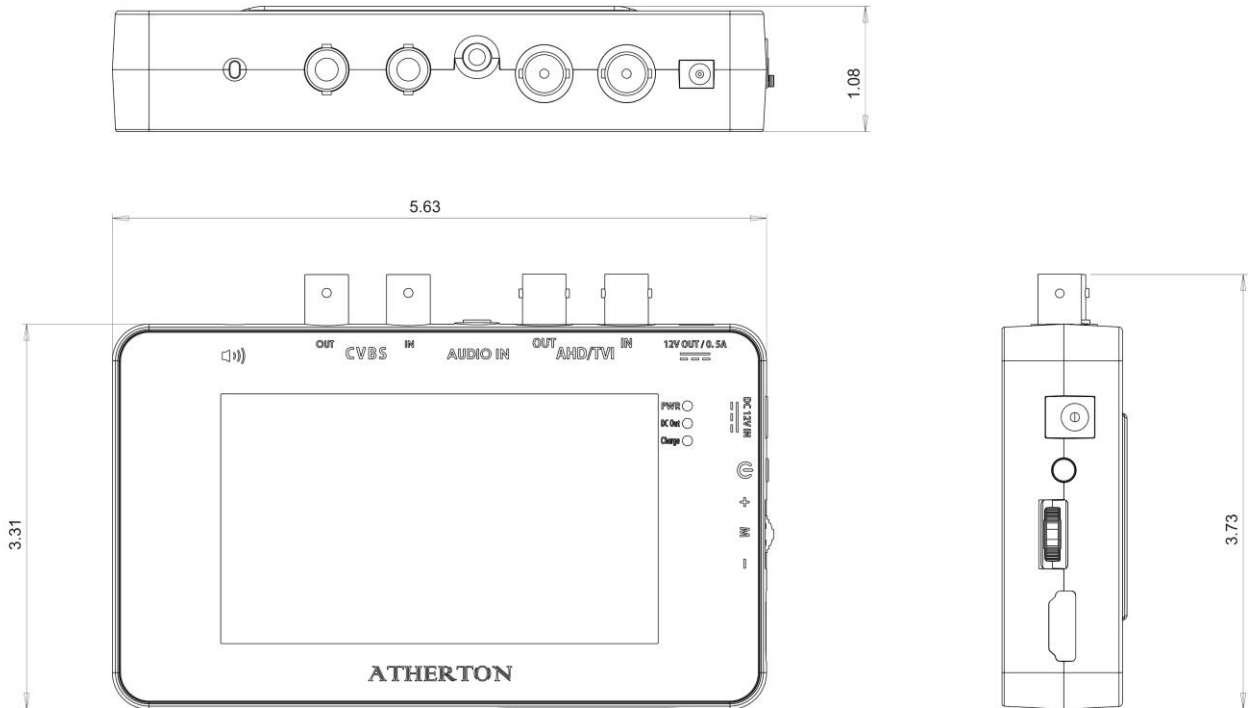
7.1 Cabinet

Material: Plastic

Finish: Black.

7.2 Dimensions:

Unit: inch



7.3 Weight

Weight	kgs	lbs
N.W.	0.33	0.73
G.W.	0.94	2.07

7.4 Dimension (Packing):

Unit	W	L	H
mm	214	266	51
Inch	8.43	10.47	2.01

Atherton Electronics Corp.

www.athertonelectronics.com