



Multiple Inputs



PAL & NTSC



7" LCD TFT Screen



TVI Coaxitron



12V DC Output



High Definition



Lithium Ion Battery



Video Generator



## HD-TVI CCTV Test Monitor

The comprehensive LCD380 test monitor has HD-TVI, traditional analogue, HDMI and VGA inputs for testing a wide range of cameras and video devices.

The LCD380 features a large 7 inch display big enough to navigate camera and DVR menu screens, HD-TVI video loop-through, built-in high power rechargeable battery for extended use, 12V DC output for powering cameras whilst testing and HD-TVI coaxitron for configuring compatible HD-TVI cameras via the co-ax cable.

### • LCD380 Instruction Manual •

# LCD380 Instruction Manual

## Features

- HD-TVI, CVBS (Analogue), HDMI and VGA inputs
- Large 7" LCD TFT screen with 800 x 400 resolution
- PAL / NTSC automatic switch
- TVI Coaxitron for up to the coax camera control
- 12V DC 2A output for powering cameras
- High definition 720p and 1080p support
- Built-in high power rechargeable Lithium ion battery
- Colour bar generator for monitor testing

## Included Accessories



UK 3 pin 12.6V charger



USB lead with TVI, CVBS & 2.1mm DC outputs



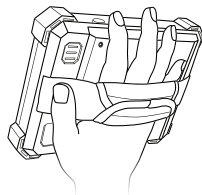
BNC to BNC lead



2.1mm DC power lead

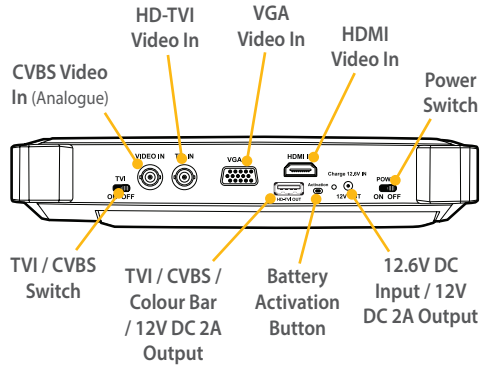
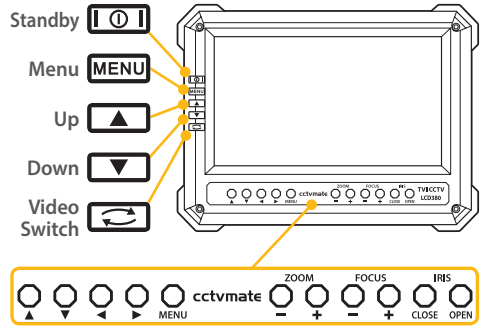


2 x BNC to Phono adapters



Velcro hand strap with padded strap cover

## Connections & Controls



## OSD Menu

Colour	1. Brightness	4. Saturation
	2. Contrast	5. Colour Temp
	3. Hue	
Adjust (VGA / HDMI)	1. Auto Config	4. Phase
	2. H Position	5. Clock
	3. V Position	
OSD	1. Language	4. OSD Time Out
	2. H Position	5. Transparent
	3. V Position	
Function	1. Reset	5. Sharpness
	2. Display Ratio	6. Mode
	3. Sleep	7. Power Saving
	4. Blue Screen	8. Burnin*

\*Not supported on this model

## Basic Operation

### Turning On The Device

To turn on the LCD380 use the power switch on the top of the test monitor. If no video input is present a blue screen will be displayed. If the TVI switch is turned 'ON' then a colour bar test image will be displayed.

### Power Saving Mode

If the TVI switch is turned 'Off' and there are no video inputs connected, the test monitor will enter power saving mode after a short period of time. During power saving mode the LCD screen will turn off. To turn the screen on again press the 'Standby' button.

### Switching Video Inputs

To switch between the different video inputs, press the 'Video Switch' button until the desired input is displayed.

### Powering Cameras Via The Test Monitor

The LCD380 has a built in safety feature when powering the cameras with the 12V DC power lead. If the unit detects a short circuit or power surge the battery will be automatically disconnected to prevent damage. To re-activate the battery, remove all cameras and then press the 'Activation' button next to the 12V DC socket on top of the device.

**Note:** If the battery level is too low you will not be able to activate the battery. Before activating you will need to recharge the device.

### Turning Off The Device

When turning off the device it is important to use the power switch on top of the unit. Using the standby button only puts the device to sleep. While in sleep mode the battery will drain a lot faster than when the device is properly turned off.

### Charging The Device

To recharge the device connect the PSU to the 12.6V DC socket. When charging the device you should only ever use the PSU supplied with the LCD380.

## HD-TVI Video Input

Connect a HD-TVI camera to the 'TVI In' BNC socket on the top of the unit. Turn the TVI switch to 'On' and the display will switch to the HD-TVI input.

## HD-TVI Video Output

For a video output connect the supplied USB lead to the 'HD-TVI Out' socket on top of the device. The **Red** phono plug carries the HD-TVI image, the **Yellow** phono plug carries a CVBS version of the same image.

## HD-TVI Coaxitron

The LCD380 features a useful up the co-ax control function. Compatible HD-TVI cameras can be setup and controlled using the buttons on the front of the device.

## Colour Bar Test Image

To display a colour bar test image turn the TVI switch to 'On' with no cameras connected. The colour bar can then be displayed on a monitor for testing using the **Yellow** CVBS phono plug on the USB lead supplied.

## Analogue Video Input

Connect the camera to the 'Video In' BNC socket and ensure the 'TVI' switch is set to 'Off'. The LCD380 does not support video output for analogue cameras.

## HDMI & VGA Input

When connecting HDMI and VGA inputs ensure the HD-TVI switch is set to 'Off'. The LCD380 supports a maximum resolution of 1920 x 1440.

## 12V DC Output

12V DC cameras can also be powered via the LCD380 when testing. This can be achieved in two ways. The first is by connecting the supplied 2.1mm DC lead to the '12V Out' on top of the unit. The second method is using the 2.1mm DC plug on the USB lead supplied.

**Note:** Only one power output can be used at a time.

## Specification

Feature	Specification
Video Input	HD-TVI, CVBS, HDMI, VGA
Video In Connection	BNC, HDMI, VGA
Video Output	HD-TVI, CVBS
Video Out Connection	Phono (USB Lead Supplied)
Video Format	PAL & NTSC (Auto Switch)
Screen	7" TFT LCD
Screen Resolution	800 x 400
Max Input Resolution	1920 x 1440
Power Input	12.6V DC
Consumption	1A
Battery	18650 Li-ion Battery DC 12.6V
Power Output	12V DC / 2A
Power Out Connection	2.1mm DC Plug
Build	ABS Plastic
Weight	580g
Dimensions	206(W) x 155(H) x 39(D) mm

## Warranty

For service and support please contact the original supplier from which the LCD380 was purchased or visit [www.cctvmate.com](http://www.cctvmate.com)

## Safety Information

1. To obtain the maximum benefits from the CCTVmate LCD test monitor, it is recommended that you read this manual before use.
2. To ensure product longevity please do not use the monitor outside of the following operating conditions:
  - Operating temperature: -30 to 70°
  - Humidity: 30 to 90%
3. When in use avoid unnecessary exposure to heat, damp or dirt particularly around the connection sockets.
4. Recharge this unit using adaptor supplied to ensure overcharging does not occur and reduce the life of the battery.
5. Do not disassemble this product or its parts.
6. In the event of an issue with this product, please return to the outlet where it was purchased or seek further advice at [www.cctvmate.com](http://www.cctvmate.com)

*All specifications are approximate. We reserve the right to change any product specifications or features without notice. Whilst every effort is made to ensure that these instructions are complete and accurate, we cannot be held responsible in any way for any losses, no matter how they arise, from errors or omissions in these instructions, or the performance or non-performance of the equipment that these instructions refer to.*



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*This symbol on the products and/or accompanying documents means that used electronic equipment must not be mixed with general household waste. For treatment, recovery and recycling please return this unit to your trade supplier or local designated collection point as defined by your local council.*