

## TECHNICAL SUPPORT:

For Technical Support for any Xvision product please contact your local distributor.

## LIMITED WARRANTY:

This product is supplied with a limited 1 Year Warranty. The Warranty excludes products that have been misused, (including accidental damage) and damage caused by normal wear and tear. In the unlikely event that you encounter a problem with this product, it should be returned to the place of purchase.

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Manufactured exclusively for:  
**Xvision (Europe) Group**,  
Head Office: London, U.K.  
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Model: **XTM020**  
Site Survey & Test  
Monitor

## Before you begin

- Please unpack the box carefully and identify that all the parts are present.
- Please bear in mind the following points when handling/using the monitor.
- Avoid dropping or banging the monitor against another object, as this may cause damage.
  - Make sure you use only the recommended batteries or power supply. Damage caused to the camera by incorrect voltage or wiring is not covered by the warranty.

Model:  
**XTM020**  
Site Survey & Test Monitor

## Package Contents



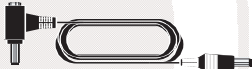
XTM020- Colour  
CCTV Test Monitor



Leather Carry Case  
and Strap



BNC to BNC Lead



Camera/Test Monitor 12V DC Power Lead

## Main Features

- Site Survey Device and Test Monitor combined in one handy unit
- Allows one person to position a camera on there own
- Built in 1/3" Sensor Camera and 5 lenses for demonstrating and choosing lens angles during site surveys, the monitor screen is marked to show views for 1/4" Sensor Cameras too
- Video Input for viewing external cameras
- Video Output for testing control equipment
- Large 3.5 " TFT Colour LCD for ease of use
- Supplied complete with Leather Carry Case and Strap for extra convenience

## Specification (continued)

### Site Survey Camera

Picture Type:	Colour
Image Sensor:	Panasonic 1/3" CCD
Resolution:	420TVL
Lens Sizes:	Built in 4, 6, 8, 12, & 16mm
Infra Red Nightvision:	No
Minimum Illumination:	0.5 Lux
Electronic Shutter:	1/60 to 1/100,000 sec

### General

Operating Voltage:	12V DC 170mA
Power Source:	12V DC Power Supply (not supplied) or 8 x AA Alkaline Batteries (not supplied)
Weatherproofing:	No
Dimensions (WxHxD):	87 x 155 x 48mm
Weight:	360g

## Operation

2. Connect the **V OUT** terminal to an external device like a DVR or External Monitor
3. Move the switch on the front of the monitor to the **V OUT** position

## Using the Test Monitor as Camera Output for Control Equipment testing

The built in camera in the test monitor can be used as a test output for testing control equipment and monitors.

1. Connect the **V OUT** terminal to the Video Input of the device being tested
2. Move the switch on the front of the monitor to the **V OUT** position

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## Specification

**Model:** XTM020

### Test Monitor

Screen Size: 3.5" (Diagonal)

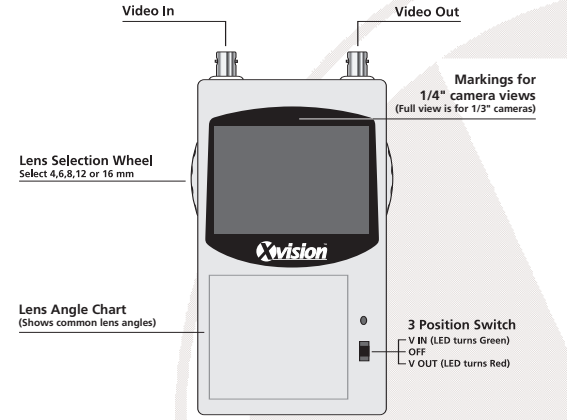
Pixel Pitch: 0.150 (W) x 0.216 (H)

Resolution (WxH): 480x234 pixels

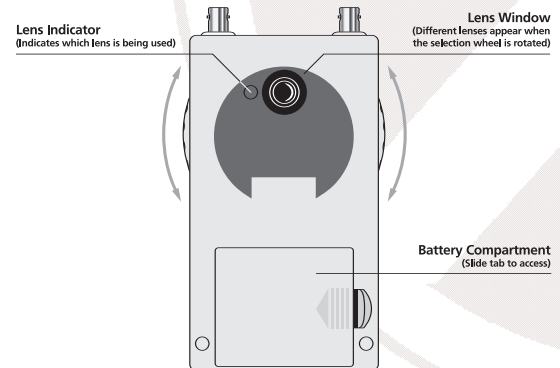
Video Input: BNC Connector

*(Specifications continued overleaf)*

## Monitor Controls



XTM020- Controls/Connections -Front



XTM020- Controls/Connections -Back

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## Applications

- Allows you to demonstrate the different views available with different lenses during site surveys
- Allows cameras and control equipment to be tested by using the Video input and built in monitor
- Allows one person to position a camera during commissioning
- Allows control equipment to be tested using the built in video output
- The built in camera has a 0.5 lux CCD sensor, this shows the image a 0.5 lux camera would provide, making it easy to decide if lower lux cameras or additional lighting is required
- Test functionality of existing cameras retrospectively



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## Operation

### Choosing the best location & lens angle for cameras

Use the Site Survey feature for planning/demonstrating the location and viewing angle of cameras during a site survey.

1. Find a likely site for your camera.
2. Move the switch on the front of the unit to the **V OUT** position (LED indicator turns Red).
3. The screen will display the view that you would get from that position.
4. Rotate the lens selection wheel to see the effect that a different lens size will make for your chosen position. There are 5 different lenses to choose from: 4,6,8,12 or 16mm.



4mm lens



6mm lens



8mm lens



12mm lens



16mm lens

5. Keep changing the lens until you find a view with the correct viewing angle/detail required.
6. In some instances you may have to use a wider angle than the actual lens you will use, for example to show a 5mm view it will be necessary to assume the picture will be narrower than a 4mm view but wider than a 6mm view. (A table of angles available with Xvision cameras is shown on the front of the monitor)

*Note: The camera fitted in the Test Monitor has a 1/3" sensor, so the angles of view shown are correct for 1/3" cameras, to simulate the view a 1/4" sensor camera would provide, a 1/4" view box has been printed on the LCD unit, so the monitor is marked with box to show the view.*

### Positioning and basic focusing of cameras during an installation

Once you have sited your camera, connect it to the Test monitor, this will allow you to, test the camera, position it and focus it (please note small LCD screens are not designed for providing optimum focus of Analogue CCTV cameras, please recheck the focus of your cameras using a larger or CRT monitor)

1. Connect your camera to the **V IN** terminal, on top of the unit, using the BNC connection lead.
2. Move the switch on the front of the unit to the **V IN** position.
3. You will then be able to view the image from your camera on the screen and make any adjustments that may be required.

### Using the Test Monitor as a loophrough device

The Test Monitor can be used as a loophrough device, allowing images from a camera to be displayed on both the test monitor and an external device.

1. Connect the camera to the **V IN** terminal

*(Operation continued overleaf)*

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