

# TM *pro* HD

AHD CCTV TEST MONITOR



USER MANUAL



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# TMProHD Contents



TMProHD AHD CCTV Test Monitor



Case for test monitor and accessories



Power Supply Charger  
for test monitor



BNC TO BNC patch lead for use  
with viewing video signals



12VDC 1Amp Output patch  
lead for camera power



RS485 Connector patch lead  
for testing PTZ controls



UTP cable tester  
module for use with  
UTP cable test function



Audio jack patch lead

# TMProHD - Getting Started



Connect the provided power supply to the power input connection on TMPROHD and charge for 4 hours before first use



After charging, press and hold the power button to switch on the test monitor

## TMProHD Menu options



### System Setup

General monitor options  
PTZ control options



### Video and PTZ Control

View video input and  
PTZ control options



### 485 Data Test

Displays RS485 data  
sent from control devices



### UTP Cable Test

Displays cable test results



### Address Search

Searches PTZ address for  
identification



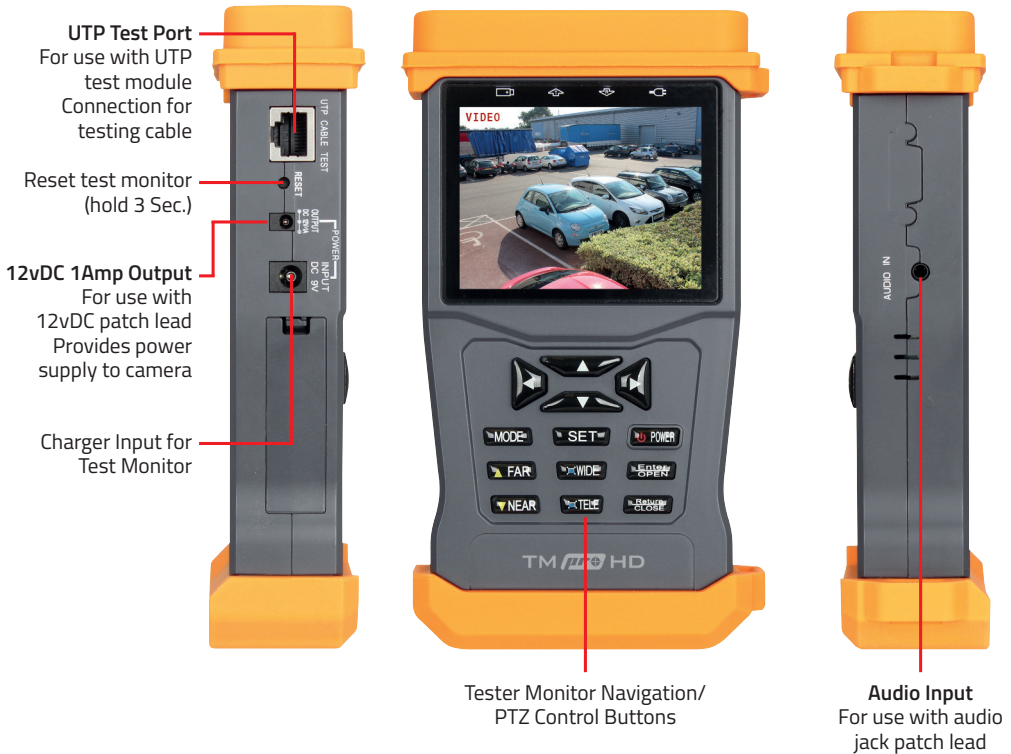
### Colour Bar Generator

For testing monitors  
use video output



Use the arrows on the test monitor to navigate the menu,  
press **ENTER** to select a menu and **SET** to adjust the options.  
Press the **RETURN** key to escape a menu.

# TMProHD Connections



# TMProHD Basic Functions

## TO VIEW A CAMERA IMAGE



Using the BNC patch lead connect 'Video-In' on the test monitor to the Camera output

Using the 12vDC patch lead connect 'Power Out' of the test monitor to camera power input

### STEP 1



Select **VIDEO AND PTZ CONTROL** and press

**Enter OPEN**

### STEP 2



Select **VIDEO** and press

**Enter OPEN**

### STEP 3



The image will be visible

## SETTING PARAMETERS FOR PTZ CONTROL

### STEP 1



Select **VIDEO AND PTZ CONTROL** and press

**Enter OPEN**

### STEP 2



Select **SET** and press

**Enter OPEN**

### STEP 3



Enter the required PTZ configuration

## TO VIEW IMAGE AND CONTROL PTZ CAMERA



Using the BNC patch lead connect 'Video-In' on the test monitor to the PTZ camera output

Use the RS485 patch lead to connect from the test monitor's RS485 connection to the PTZ's control leads

Ensure that the PTZ is suitably powered

### STEP 1



Select **VIDEO AND PTZ CONTROL** and press

**Enter OPEN**

### STEP 2



Select **SET** and press

**Enter OPEN**

### STEP 3



The image will be visible

### STEP 4



Use test monitor navigation buttons to control PTZ

# TMProHD Additional Functions

## SYSTEM SETUP

### STEP 1



Select **SYSTEM SETUP** and press

**Enter  
OPEN**

### STEP 2



General test monitor options can be adjusted in this menu alongside PTZ control setup

## COLOUR BAR GENERATOR FOR TESTING MONITOR



Using the BNC patch lead connect 'Video-Out' of the test monitor to the monitor input connection  
Ensure monitor is suitably powered

### STEP 1



Select **COLOUR BAR GENERATOR** and press

**Enter  
OPEN**

### STEP 2



View colour bar generator results

## UTP CABLE TESTER



Connect cable from the test monitor's UTP port to UTP module

### STEP 1



Select **UTP TEST** and press

**Enter  
OPEN**

### STEP 2



View test results

## RS485 DATA CHECK



Using the RS485 patch lead connect RS485 out to the RS485 device control leads

### STEP 1



Select **RS485 DATA CHECK** and press

**Enter  
OPEN**

### STEP 2



Control the RS485 device to obtain data test results



## PTZ ADDRESS SEARCH



Use the RS485 patch lead to connect from the test monitor's RS485 connection to the PTZ's control leads  
Ensure that the PTZ is suitably powered

### STEP 1



Select **SYSTEM SETUP**  
and press



### STEP 2



Adjust PTZ control  
setup and press



### STEP 3



Select **ADDRESS SEARCH**  
and press



### STEP 4



Press  
**SET**  
then search for  
address by pressing



## TMPROHD SPECIFICATION

### VIDEO SIGNAL

Signal Mode	NTSC/PAL automatically suitable
Display	3.5 inch LTPS LCD screen, 960x240 resolution
Video Input	1 Channel BNC
Video Output	1 Channel BNC

### PTZ CONTROL

Communication Interface	Support RS485 bus
Communication Protocol	Compatible Pelco D / Pelco P, special protocols could be customized
Power Output	DC12V 1A power output for camera
Audio Test	Input 1 ch audio signals , test audio
UTP Cable Test	Test UTP Cable connection state and display on the screen
RS485 Data Test	485 data analysis ,displayed on the screen in hexadecimal

Colour barcode generator

### POWER

External power	DC9V/2A
Battery	2000mAH

### WORKING ENVIRONMENT

Working Temperature	-30 to +70
Working Humidity	30% to 90%
Dimensions	105 x 44 x 188mm

### WARNING

This product is not waterproof.

Please avoid exposing product to rain, moisture or any liquids as this may cause a malfunction.

**Elite Security Products**  
Unit 7, Target Park, Shawbank Rd  
Lakeside, Redditch B98 8YN



Telephone: 01527 51 51 50  
Fax: 01527 51 51 43  
email: [info@espuk.com](mailto:info@espuk.com)

[www.espuk.com](http://www.espuk.com)