

HD3TM

HD Analog 3.5" Video Test Monitor with PTZ Controller & Cable Tester

USER'S MANUAL



Rev. 062617

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1 INTRODUCTION

This product tests standard NTSC/PAL video signals. It can measure and display coaxial and CAT5/6 Cable quality on the monitor. This product can also be used to control & test many PTZ's & is compatible with TVI, CVI, AHD & 960H Analog Cameras.

2 SYSTEM SPECIFICATION:

ІТЕМ	LCD3TM		
Panel Size	3.5 Inch Diagonal		
Resolution	480(H)X235(V) Dot		
Active Area	72.00(W)X50.544(H)mm		
Dot Pitch	0.150(H)X0.216(V)mm		
Video Formats	TVI 3.0, CVI 2.0, AHD 2.0 & 960H COMPATIBLE		
View Angle	Top=10deg., Bottom=30deg., Left=40deg., Right=40.,		
Panel Dimension	83(W) X 60.5(H) X 3.2(D)MM		
Back Light	LED TYPE		
Video Type	1.0VP-P / 75Ω		
Video System	NTSC / PAL AUTO SWITCH		
UTC Control (Up the COAX)	(Camera Dependent) For OSD Access of HD Analog Cameras		
Input source	Built-in 1 BNC Connector/ RS485		
Input Voltage	Built-In Battery Or 12VDC Regulated Power Supply		
Power Consumption	Normal: 12VDC, 400mA (4.8W) Charge: 12VDC, 1.5A (18W)		
Working / Charge Time	6HR / 5HR		
Low Voltage Triggering	10.7 V		
System Cut off Voltage	9.3 V		
Keypad Control	6 KEY (MODE / UP / DOWN / LEFT / RIGHT / ENTER KEY)		
Operating Temperature	32°F ~ 122°F		
Weight	11 OZ		

3 CONTROL LOCATIONS



Front Panel View

4 KEY PAD DESCRIPTION

KEY NAME		MONITOR SETTINGS/FUNCTION		
MODE		FUNCTION SELECT (MONITOR ADJUSTMENT/COAXIAL/CAT5/OSD/PAN TILT/ZOOM/DATA)		
UP		ITEM SELECT		
DOWN	▼	ITEM SELECT		
LEFT		SCREEN MIRROR \ VALUE DECREASE		
RIGHT		SCREEN UPSIDE-DOWN \ VALUE INCREASE		
ENTER		ESCAPE/ENTER SETTING		

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5 FUNCTION ITEMS AND DESCRIPTION

FUNCTION ITEM		DESCRIPTION
CONTRAST	0~100	ADJUST CONTRAST VALUE FROM 0~100
BRIGHTNESS	0~100	ADJUST BRIGHTNESS VALUE FROM 0~100
COLOR	0~100	ADJUST COLOR VALUE FROM 0~100
TINT	0~100	ADJUST TINT VALUE FROM 0~100

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All Values are saved in the Monitors memory after powering off the unit.

6 COAXIAL CABLE TEST FUNCTION

- 1. Press MODE until Coaxial appears on the screen. The chart below will show on the screen once the coaxial cable is connected to the terminal.
- 2. Press EXIT to exit from this mode.



ITEM	VALUE	CABLE QUALITY
1	0~30Ω	SHORT
2	30~150Ω	GOOD
3	150Ω~∞	OPEN

7 CAT5/6 CABLE TEST FUNCTION

- 1. Can only test 568b Type connection on RJ45 connectors.
- 2. Press MODE until the CAT5 pair indication appears on the screen. The chart below will show on the screen once the CAT5 cables is connected to the terminal.



3. Press EXIT to exit from this mode.

ITEM CABLE QUALITY		DESCRIPTION		
1	OPEN OPEN LOOP WILL APPEAR.			
2	SHORT WIRE SHORT IN SAME PAIR WILL APPEAR			
3	OK ALL OF THE RJ45 PINS CORRECT.			
4	4 REVERSE WHEN 2 WIRES IN THE SAME PAIR OPPOSITE WI			
5	ERROR	ANY WIRE OF DIFFERENT PAIRS SHORT WILL APPEAR.		



8 OSD FUNCTION ITEMS AND DESCRIPTION

- 1. This function supports PELCO-D OSD camera control and speed dome control. See next page for full list of supported protocols
- 2. All of the function keys as below will show on the camera user's manual

$\blacktriangle UP \quad \forall DN \quad \blacktriangleleft LT \quad \triangleright RT \quad ENTER$

ENTER : Call OSD

9 PAN TILT / ZOOM

Mode Select : PAN TILT, ZOOM

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Address: 0~255
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Protocol : PELCO D \ YAAN \ YAAN-O \ Samaung \ LilinF \ LilinM \ Molyax \ Minking \ AD \ Fastrax \ CBC \ SONY-EVI \ LG-MUL \ DTA-SD \ PEARMAIN \ Vicon \ Vcltp \ DHYTC06 \ SANYO \ PELCO P

Port : RS485 Baud : 300~19200 S-PS : 0~255 C-PS : 0~255 Pan Speed : 0~63 Tilt Speed : 0~63 Exit :

Modeselect	
Address	1
Protocol	PELCO D
Port	RS485
Baud	2400
S-PS	2
C-PS	2
Pan Speed	57
Tilt Speed	54
Exit	►

10 DATA MONITOR

1. This function will display values of data signals from a PTZ controller.

Port : RS485 Baud : 300~19200 ENTER : To Clear the Screen





11 UTC MENU

- 1. This function allows for Up the COAX Control of OSD Menu for HD Analog Cameras. (Camera Dependent)
- 2. Press ENTER to Open OSD Menu. Use ▲UP ▼DN ◀LT ▶RT ENTER to Navigate OSD Menu

UTC MENU				9000
▲UP	▼DN	∢L T	►RT	

* A long press of the ENTER key is needed to call the OSD menu for some TVI speed domes.

12 UTC PAN TILT

This function supports up to AHD 2.0 / TVI 3.0 / CVI 2.0 UTC control speed dome pan/tilt. Use ▲UP ▼DN ◀LT ▶RT to pan/tilt.

13 UTC ZOOM

This function supports up to AHD 2.0 / TVI 3.0 / CVI 2.0 UTC control speed dome zoom/focus.

▲UP ▼DN ◀LT ▶RT ENTER

UP: FAR DN: NEAR LT: TELE RT: WIDE

14 PACKING LIST

- 1. Monitorx1
- Power Adaptorx1 2.
- 3. Cable Testerx1
- BNC Converterx2 4.
- DC Plug to DC Plug Cablex1 5.
- AV Cablex1 6.
- 7.
- 8.



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