

User's manual

Video tester

MS-35P



Please read this manual carefully before you use the product
Please retain it for your future reference

1, Introduction

This video tester is designed for helping the surveillance system installations; it can test the analogue video signal, audio signal, DC12V power output to camera, it has a rechargeable battery inside, with long time work period, to make it to be a very helpful device for the installer.

2, Safety Information

2.1 Precaution before using the tester

- A. Read and understand the User Manual before using the product.
- B. Ensure the tester is used within each range in the specifications to avoid damaging the unit.
- C. The following operational environment should be maintained constantly:
 - Temperature: -30℃--- 70℃
 - Relative humidity: 30% ~ 90%
 - Recharging voltage: DC12V

2.2 Precautions when using the tester

- A. Do not use the tester in damp humidity or leaking gas environments.
- B. Do not touch the tester with moist or wet hands.
- C. Measurements may be incorrect when the tester is used in places subjected to strong magnetic fields or electromagnetic wave.
- D. Be careful not to expose the ports or joints to dirt or liquid.
- E. Do not disassemble the tester. If the unit requires service or repair take the unit to the retail outlet you purchase the unit from.

2.3 Precautions for battery charging and using

- A. Use only original chargeable battery with the tester, when charge the batteries, please use the original power adapter.
- B. Do not short-circuit or disassemble batteries.

3, Appearance



- 1, 3.5 inch TFT screen
- 2, Screen protector panel
- 3, Power light
- 4, Recharge light
- 5, DC output function light
- 6, Power switcher
- 7, Power button
- 8, AV output

- 9, AV input/DC12V power output
- 10, Mini USB recharge port
- 11, DC12V function button
- 12, Function button "UP"
- 13, Menu button
- 14, Function button "DOWN"
- 15, Speaker
- 16, Wrist tape

4, Features and specifications

4.1 Features

- Portable design, fixed on the wrist
- Video and audio test
- Output DC12V power to camera
- 3.5 inch TFT screen, 320x240 pixels
- Powerful rechargeable battery
- Super long working time up to 8 hours
- ABS fire prevention plastic housing

4.2 Specifications

Product Name	Video tester
Video & Audio Test	
Video Format	NTSC/PAL automatically suitable
Screen	3.5 inch TFT screen
Video Input	1 channel RCA, 1.0 Vp-p
Screen Lightness	Adjustable
Audio Input	1 channel RCA, 0.7 Vp-p
Audio Output	Inside speaker
Power To Camera	
Power Output	DC 12V, Max 500mA
Battery	2200mAh, rechargeable battery inside
Power & Battery	
Sleeping Mode	After 3 minutes without image signal
Working Time	Max 8 hours
Charge Battery	Mini USB port
Power Adaptor	Input: AC 110-220V, 50/60Hz Output: DC 5V, 1A
Power Consumption	0.5W (without power output function)
Others	
Housing	ABS plastic
Operating Temp	-10℃ ~ +70℃
Operating Humidity	Less than 90%
Dimensions	93mm(W) x 42mm(D) x 73mm(H)
Weight	160g

5, Operation instruction

Installation

The tester can be installed on the wrist, use the wrist tape to install as the picture shows:



Power on

Put the power switcher to the "ON", press the power button, the power light will be on. The power light will twinkle slowly to indicate there is no video input; the screen will display the video when there is correct video signal input.

Power off

Press the power button to turn off the device, or directly put the power switcher to the "OFF". The device will automatically turn off when there is no video signal input long for 3 minutes.

Video & audio input

Plug to the accessory cable to the standard USB port, the red port is for video, and the yellow port is for audio. When there is audio input, user can press the "M" (menu button) on the top of device to turn on the speaker, at this time, the DC12V light will turn on in green color and twinkle, press the "M" key again to turn off the speaker.

Video & audio output

Plug the 3.5mm standard AV cable to the AV output port of the device, another terminal of the cable connect the audio speaker, the audio signal will keep on if there is audio signal input to the tester.



Power output

Press the DC12V function button, at this time, the DC12V light will turn on in red color and keep on, connect the accessory cable to the standard USB port, the DC12V port can output power to camera, press the function button again to turn off the function, the MAX power current is 500mA, the device has current and voltage protection function.

Recharge

When there is not enough power in the battery, the power light will twinkle quickly, user should recharge the battery soon. Use the USB cable and adapter to recharge; after recharge finished, the power light will turn off; user also can use other mini USB recharge adapter to recharge the device.

Screen and volume adjustment

Press  button on the top to turn on/off volume for the inside speaker, press  button on the top to adjust the screen lightness.

Light mode introduction

Power Light	
Light	Mode
On	Video input
Twinkle slowly	No video input
Twinkle quickly	Low power

Recharge Light	
Light	Mode
Green on	Recharging
Red on	Recharge finished
Off	Recharge finished

DC12V Light	
Light	Mode
Red on	DC12V output
Green on	Audio output
No light	Function off

6, Accessory list

Tester	1pcs
Power Adaptor	1pcs
Power Cable	1pcs
Wrist Tape	1pcs
Bag	1pcs
AV/DC Cable	1pcs
BNC to RCA Converter	1pcs
User's Manual	1pcs

