Adronic M55

User Manual

For A Better Inspection Tool

Please read the user manual carefully
before using this system.

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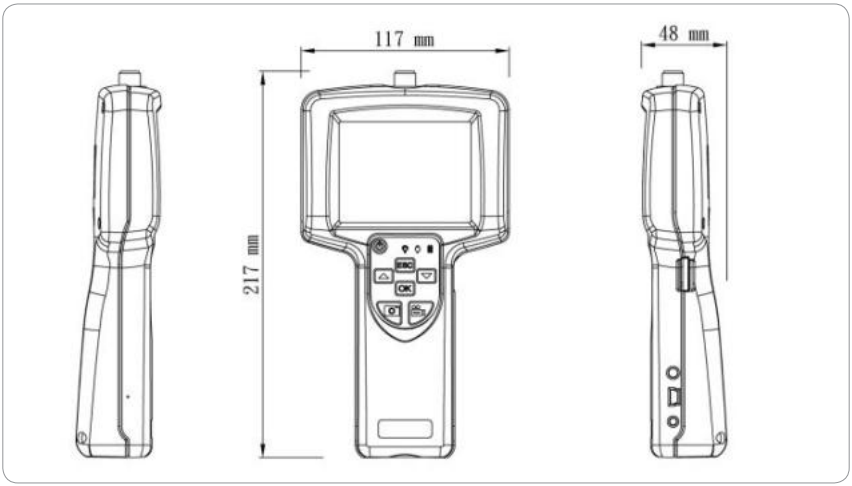
1. Introduction

Adronic M55 borescope is mainly used for inspection, repairing and maintenance. Within 3.5” digital LCD monitor, this unit could connect with a variety of adroVision inspecting probe to display the high quality image. The screen is clear and stable, also could manually adjust the image size and illumination. Adronic V55N enable to support Snapshot, Audio and Video recording to enhance the detection performance.

2. Main Device and Accessories

1. Adronic M55



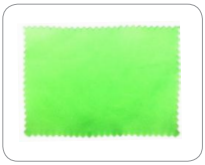
2. Power Charger

3. USB Cable

4. 4GB SD Card

5. Q-Tip

6. Cleaning Cloth



3. Scope Function

① Indication Light:Charging
② Indication Light:DCIN
③ Indication Light:Power/SD Card Detection Light
④ Power On/Off
⑤ ESC Key
⑥ Downward Key
⑦ Upward Key
⑧ OK Key
⑨ Video Recording Key
⑩ Snapshot Key
⑪ TV-OUT
⑫ USB
⑬ DCIN
⑭ SD CARD Slot
⑮ RESET Key
⑯ 1/4”-20 pitch machine screw stud for supporting camera stand

4. Monitor Key Instruction

Button	Video Mode	Play Mode	Setup Mode
	Zoom in (Magnification cycle from small to large) X1、X2、X4、X6、X8	Play/ Pause Video Zoom in	Move selection to the upper one
	Zoom out (Magnification cycle from large to small)	Stop Video Zoom out	Move selection to the lower one
	Enter Setup menu	Enter Setup menu	Execute the selected function
	Check the photo or Video saved in SD card (Enter Play Mode)	Back to Video Mode	Exit the menu
	Take photo	Check backward photo or Video	Left key (Display model version for 2 sec.)
	Start / Stop Video recording	Check forward photo or Video	Right key

5. Operating Instruction

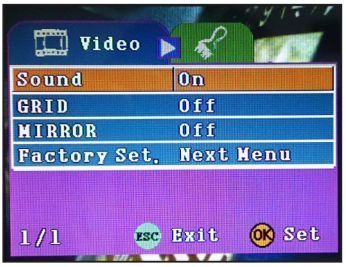
5 - 1 Video Mode

(Preview Mode)

• **Video Menu**：

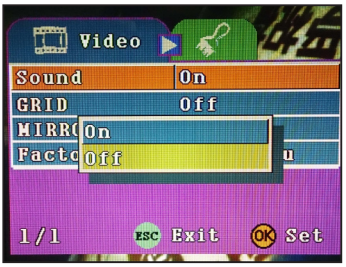
Press OK key to enter；Press ESC to exit；

Press ▲ / ▼ key to select item.

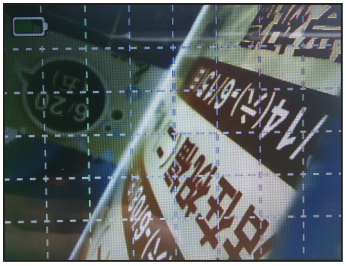


Selecting Item	Function	Remark
Sound	1.On 2. Off	
Grid	1.On 2. Off	
Mirror	1.On 2. Off	
Factory Set	1.Brightness 2. Contrast	Fine adjust image color

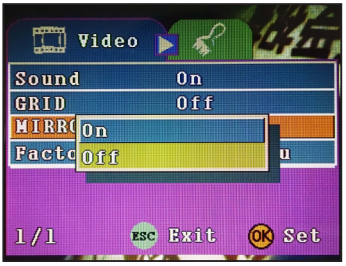
(Video Mode) Sound



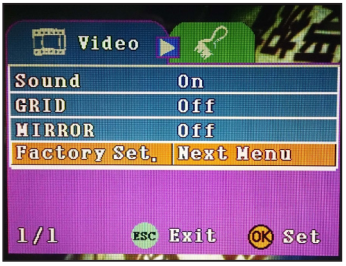
(Video Mode) Grid



(Video Mode) Mirror



(Video Mode) Factory Set



1) Press OK key to **execute setting**, then press key to select **"Brightness"** or **"Contrast"**.

2) Press / key to **adjust the value of parameter**.

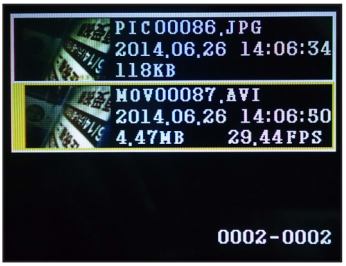
3) Press OK key to **confirm setting**.

4) Press ESC key to **exit setting**.

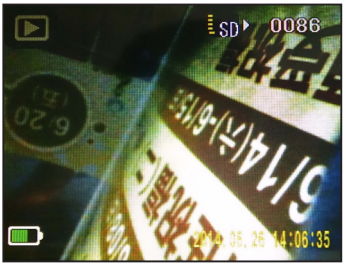
5. Operating Instruction

5 - 2 Play Mode

Under "Video Mode" → Press ESC key to enter **"File List Preview"** → Press ▲ / ▼ key to **select the file** → Press OK key to **check the file**.



（Photo File *.jpg）



1) Press ▲ key: **Zoom in.**

2) Press ▼ key: **Zoom out.**

3) Press ◀ key: **Browse backward photo or Video.**

4) Press ▶ key: **Browse forward photo or Video.**

（Video File *.avi）

1) Press ▲ key: **Play video**.

2) Press ▲ key again**: Pause video**.

3) Press ▼ key: **Stop video**.

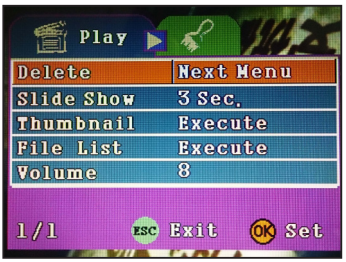
4) Press OK key: **Speed up playback**.

5) Press ◀ key: **Rewind function.**

6) Press ▶ key: **Forward function.**

• **Play Menu:**

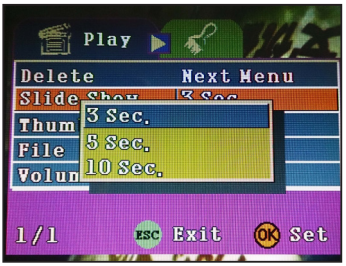
Press ESC key → Enter “**File List Preview**” → Under “Preview Mode” to **select any photo or Video** → Press OK key twice → Enter “**Play Menu**”.



Selecting Item	Function	Remark
Delete	1.Single 2. All 3. Select	
Slide Show	1.3 Sec. 2. 5 Sec. 3. 10 Sec.	This function could be executed when the file number is more than 2.
Thumbnail	1.Execute 2. Cancel	
File List	1.Execute 2. Cancel	
Volume	1~8	Default: 8

(Play Mode) Delete

(Play Mode) Slide Show



(Play Mode) Thumbnail

(Play Mode) File List Image Details

(Play Mode) Volume

- **Setup Menu:**

  Press OK key then press to enter **"Setup Menu"** .

Selecting Item	Function	Default
Format	1.Cancel 2. Execute	Menu
Language	1. English, 2. Français, 3. Deutsch, 4. Italiano, 5. Espaňo, 6. Português, 7. 繁體中文 , 8. 简体中文 , 9. 日本語 , 10. Русский , 11. 한국어 , 12. Nederlands, 13. العربية , 14. čeština , 15. język polski , 16. Türkçe, 17. Hrvatski	English
Auto Off	1.5 Min 2. 10 Min 3. 60 Min 4. Off	5 Min.
Sys. Reset	1.Cancel 2. Execute	Menu
TV Output	1.NTSC 2.PAL	NTSC
Date Input	1.Off 2. Set	Menu
USB	1.PC-Cam 2. Disk Driver	Disk Driver

(Setup Menu) Format

(Setup Menu) Language

(Setup Menu) Auto Off

(Setup Menu) Sys. Reset

(Setup Menu) TV Output

(Setup Menu) Date Input

1) Press ▲ / ▼ key to select **"Date Format"**

2) Press 📷 / 🎥 to select the adjusted item, then press ▲ / ▼ to set the **Date/Hour/Minute/Second**.

3) Press OK key to **confirm setting and exit**.

(Setup Menu) USB

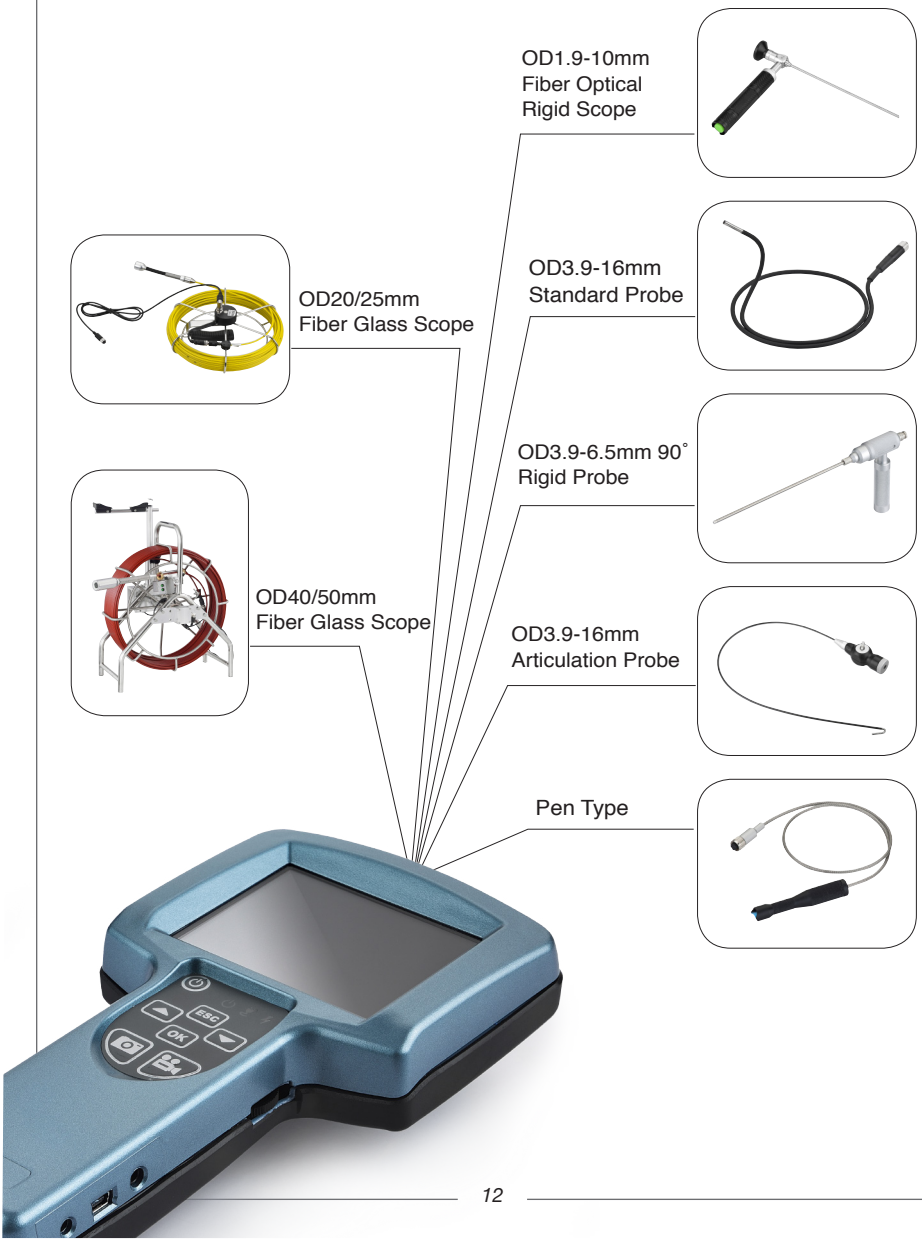
- **MSD Setting**

1) Enter "Setup Menu", and select **"USB"**, then select **"Disk Drive"**.

2) Insert micro-USB (Installing the USB driver in advance).

6. Application

Adronic M55 Application



7. Specification

Model Name	M55
Display	3.5” digital LCD display
Resolution	Full HQ 720 x 640 pixels
Still Image Storage Format	JPEG
Video Recording Format	MPEG4/AVI
Operation Language	17 languages are available (1 English 2 French 3 German 4 Italian 5 Spanish 6. Portuguese 7. Traditional Chinese 8. Simplified Chinese 9 Japanese 10. Russian 11 Korean 12. Dutch 13. Arabic 14 Czech language 15. Polish 16. Turkish 17. Croatian)
USB Port	1.1/2.0
Saving Device	Include 4GB SD card (Support SD card up to 32GB)
Working Temperature	-20° C to 60° C
Power Charger	100-240V AC in/ 5.5V DC out
Battery	Built-in rechargeable Li-ion battery

8. Attention

- Do not take the SD card out while taking photos or videos. That would cause data lost or machine damage. A 80X or higher speed SD card is recommend for better image performance. The system can support SD/SDHC cards up to 32GB.
- Do not use the machine under an environment near inflammable or hazardous substances.
- Do not use corrosive liquid to clean the machine cover.
- Do not disassemble the machine by self, it may cause electric shock or damage to the machine.
- Do not touch the insertion tube lens since high temperature could be produced after operating for a period of time.
- Beware of coiling the insertion tube for storage. Do not coil or bend it too hard over 150 degree.
- Please use the accessories as the product attached. Otherwise this may result in considerable damage to the machine.
- Do not expose the product to direct sunlight.
- Please store the product in a dry, well-ventilated place.

9. FAQ

Power on failure	Could not take photo and video recording
	Recharge the battery by power charger.
No inspection image	Check the probe connection.
	Be sure to plug tube well and restart the unit.
System crash	Please take a needle-like object made with insulating material to insert into the reset hole to reset the system.
Could not take photo and video recording	SD card is not placed accurately.
	SD card malfunctioned.

Customer Information

Model Name:

Customer Name:

Telephone Number:

Address:

E-mail:

Purchase Date: / / (DD/MM/YYYY)

Dealer's Name:

Dealer's Telephone Number:

Dealer's Address: