ADVANCED SAFETY
VISION SYSTEMS

AVM10E 10" IP69K HEAVY DUTY
AHD QUAD VIEW MONITOR

USER MANUAL

5 YEAR WARRANTY

AHD

IP69K WEATHERPROOF

QUAD CAMERA INPUTS

12/24V COMPATIBLE

WARNINGS

Before using this product, please read this instruction carefully. Take special care to follow the warnings indicated on the unit itself as well as the safety suggestions listed. Keep this user manual for future reference.

16-05-2025

ADVANCED SAFETY **VISION SYSTEMS**

Contents

ADVANCED SAFETY **VISION SYSTEMS**

Important Notes

1. Do not try to open the covers.

2. Please disconnect the power if anomalies occur.

3. Do not use organic solvents on the surfaces to avoid damage to the coating.

4. Do not apply force to the wiring leads to avoid internal damage.

5. Keep the product away from high dirt/dust environments, direct high temperature sun light and high humidity conditions.

6. Install the product so that it does not fall down.

7. Follow wiring diagram strictly or warranty will be voided and can result in damage to the vehicle's electrical system.

8. Do not change functions while driving.

9. Comply with the operating temperature of this unit.

The vehicle safety vision system is designed to be used with, not instead of other viewing aids in your vehicle. The manufacturer shall not be held liable for any accidents which occurred while operating this system.

Working Voltage
Please notice below data of power supply input to the monitor and camera.
Monitor: voltage range 10V-32V
Note : If the power is over 36V to monitor, it will cause damage.

ADVANCED SAFETY **VISION SYSTEMS**

Keystroke Instruction

POWER: Screen ON/OFF

Press the power button on the monitor screen to turn on,press again to turn off.

CAM1/<: Selects Camera view AHD1 in the menu interface, select decrease function.

CAM2/<: Selects Camera view AHD2 in the menu interface, select increase function.

CAM3/<: Selects Camera view AHD3 in the menu interface, select secondary menu.

CAM4/<: Selects Camera view AHD4 in the menu interface, select secondary menu.
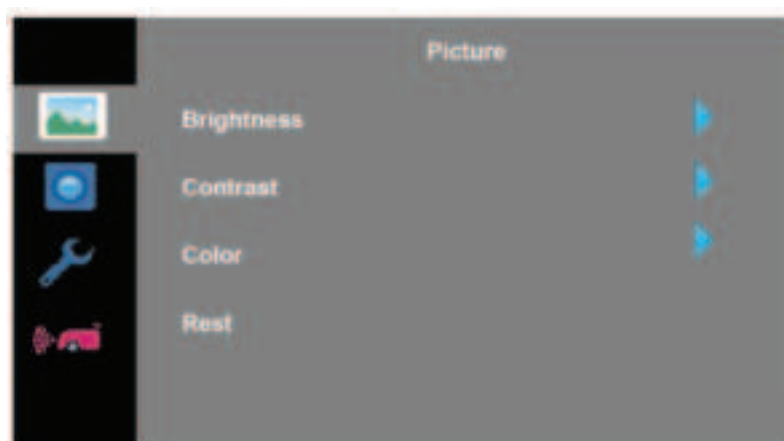
Select the split display interface

Enter into menu interface. In the menu interface, press **CAM3/v** or **CAM4/∧** button select the Picture function, settings, system menu interface and press button to exit the menu.

MENU: Screen:

Press button, monitor will be enter into menu setting, In the menu interface, press **CAM3/v or CAM4/∧ button** select the **Picture, function, settings, system** interface.

Press **CAM2/>** button enter picture function,

Press **CAM3/v or CAM4/∧** button select **Brightness, Contrast, Color and Rest** function

ADVANCED SAFETY **VISION SYSTEMS**

Brightness: press CAM2/> button enter into brightness function, when you enter into Brightness function, press **CAM3/v or CAM4/^** button select AHD1 AHD2 AHD3 AHD4

Brightness	
AHD1	50
AHD2	50
AHD3	50
AHD4	50

Press **CAM2/>** button increase the brightness and press **CAM1/<** button decrease the brightness.

Press [icon] button back to previous menu

Contrast: When you enter into contrast function, press **CAM3/v or CAM4/^** button select
AHD1, AHD2, AHD3, AHD4

Contrast	
AHD1	50
AHD2	50
AHD3	50
AHD4	50

Press **CAM2/>** button increase the contrast and press **CAM1/<** button decrease the contrast.

Press [icon] button back to previous menu

Color: When you enter into color function, press **CAM3/∨ or CAM4/∧** button select AHD1, AHD2, AHD3, AHD4

Press **CAM2/>** button increase the color and press **CAM1/<** button decrease the color.

Press ☰ button back to previous menu

Reset: rest the system setting.

Press ☰ button exit the picture function and press **CAM4/∧** button to select the function

Function: press **CAM2/>** button enter into the function, press the **CAM3/∨ or CAM4/∧** button can select the **Mirror Flip, Trigger Delay, Video list, light, VCOM.**

Mirror Flip: When you enter into Mirror Flip function, press **CAM4/∧** button select AHD1, AHD2, AHD3, AHD4

Press **CAM1/<** button or **CAM2/>** button select on or Off.

Mirror Flip	
AHD1	Off
AHD2	Off
AHD3	Off
AHD4	Off

Press ☰ button back to previous menu

Trigger Delay: When you enter into Trigger delay function, press **CAM4/∧** button select AHD1, AHD2, AHD3, AHD4 and multichannel.

Trigger Delay	
AHD1	00s
AHD2	00s
AHD3	00s
AHD4	00s
Multichannel	01s

Press **CAM2/>** button to increase time and press **CAM1/<** button to decrease time.

Press ☰ button back to previous menu

Video List: When you enter into video List function, press **CAM4/∧** button select AHD1, AHD2, AHD3, AHD4 videos

Press **CAM3/∨** button to next page and press **CAM4/∧** button to next video.

Press ☰ button back to previous menu
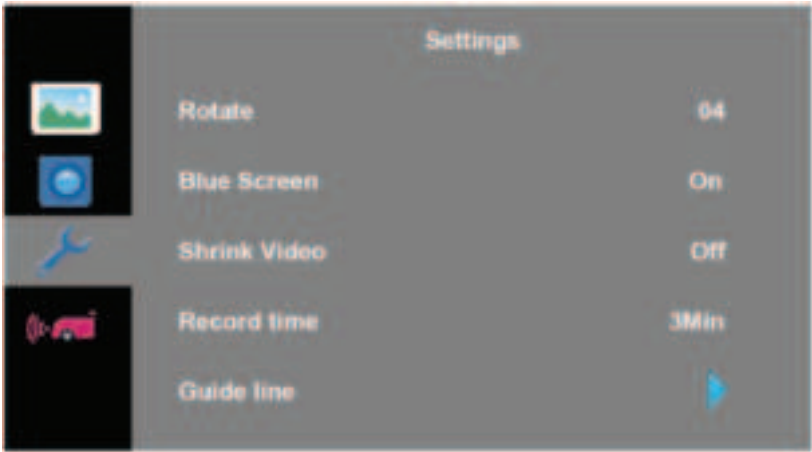
5

ADVANCED SAFETY **VISION SYSTEMS**

Light: When you enter into **Light** function, press **CAM2/>** button select light on and Off

Press button back to previous menu

VCOM: When you enter into **VCOM** function, Press **CAM2/>** button to increase VCOM value and press **CAM1/<** button to decrease VCOM value.

Press button back to previous menu

Settings: press **CAM2/>** button enter into the function, press **CAM4/˄ or CAM3/˅** button select the **Rotate, Blue Screen, Shrink Video, Record time, Guide line.**

Rotate: this is rotate screen display mode, from 01 to 04 for choice.

Blue Screen: available in on and off for choice.

Shrink Video: available in 1min 3min 15min 30min and off for choice.

Record time: available in 1min 3min and 5min for choice

Guide line: select AHD1, AHD2, AHD3, AHD4 guide line on and off .

Press button back to previous menu

ADVANCED SAFETY **VISION SYSTEMS**

System: press **CAM2/>** button enter into the function, press the **CAM4/∧ or CAM3/∨** button select **language, S-Saver Mode,Screen Saver, Time setting, Format.**
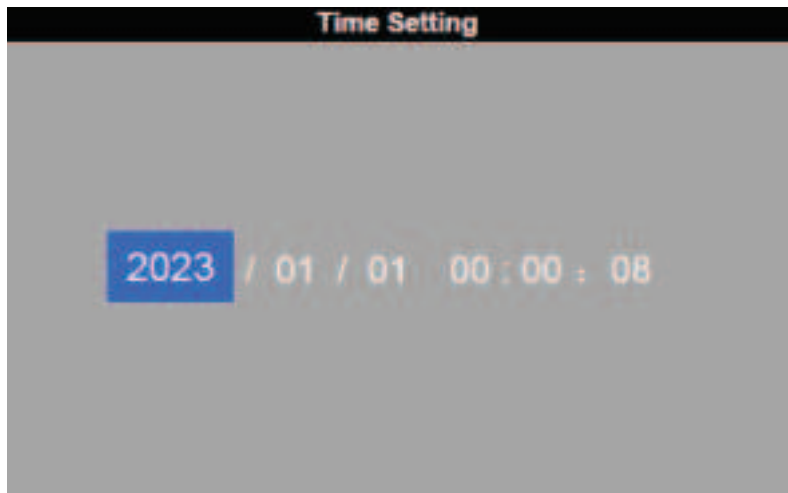

Language: available in both English and Chinese for choice

S-Saver Mode: available in both BL off and clock for choice

Screen Saver: available in 1min 2min 5min and Off for choice
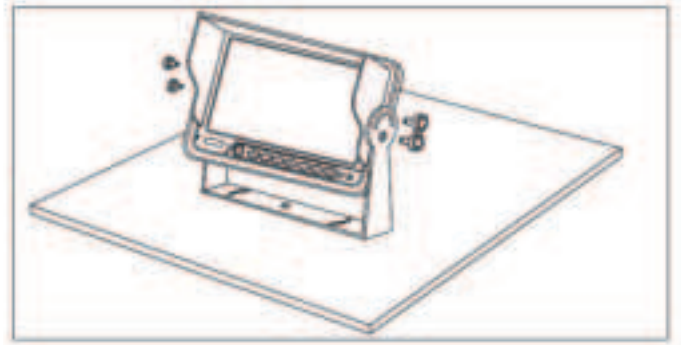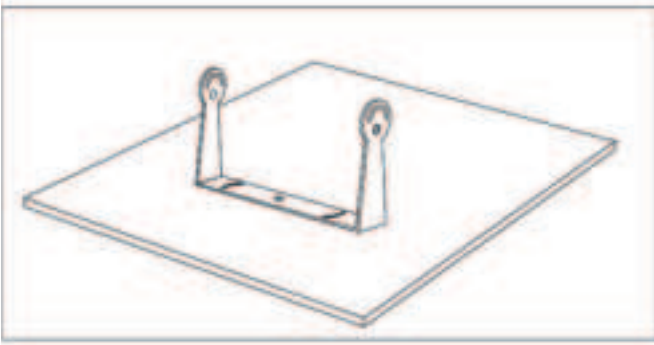
.

Time Setting:
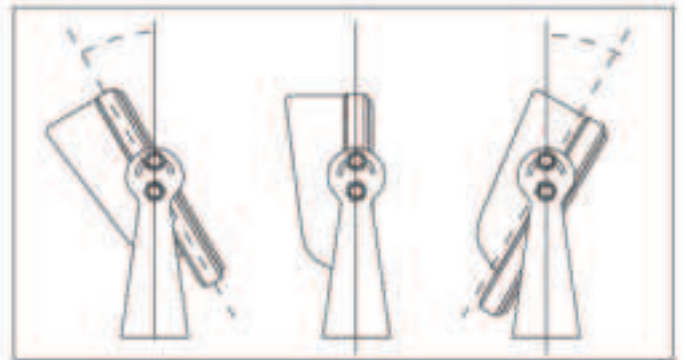
ADVANCED SAFETY **VISION SYSTEMS**

BRACKET INSTALLATION (Included)

1. U-Bracket installation

Fix the U-bracket into position, insert and lock the monitor into the bracket using the mounting gimbal knobs.
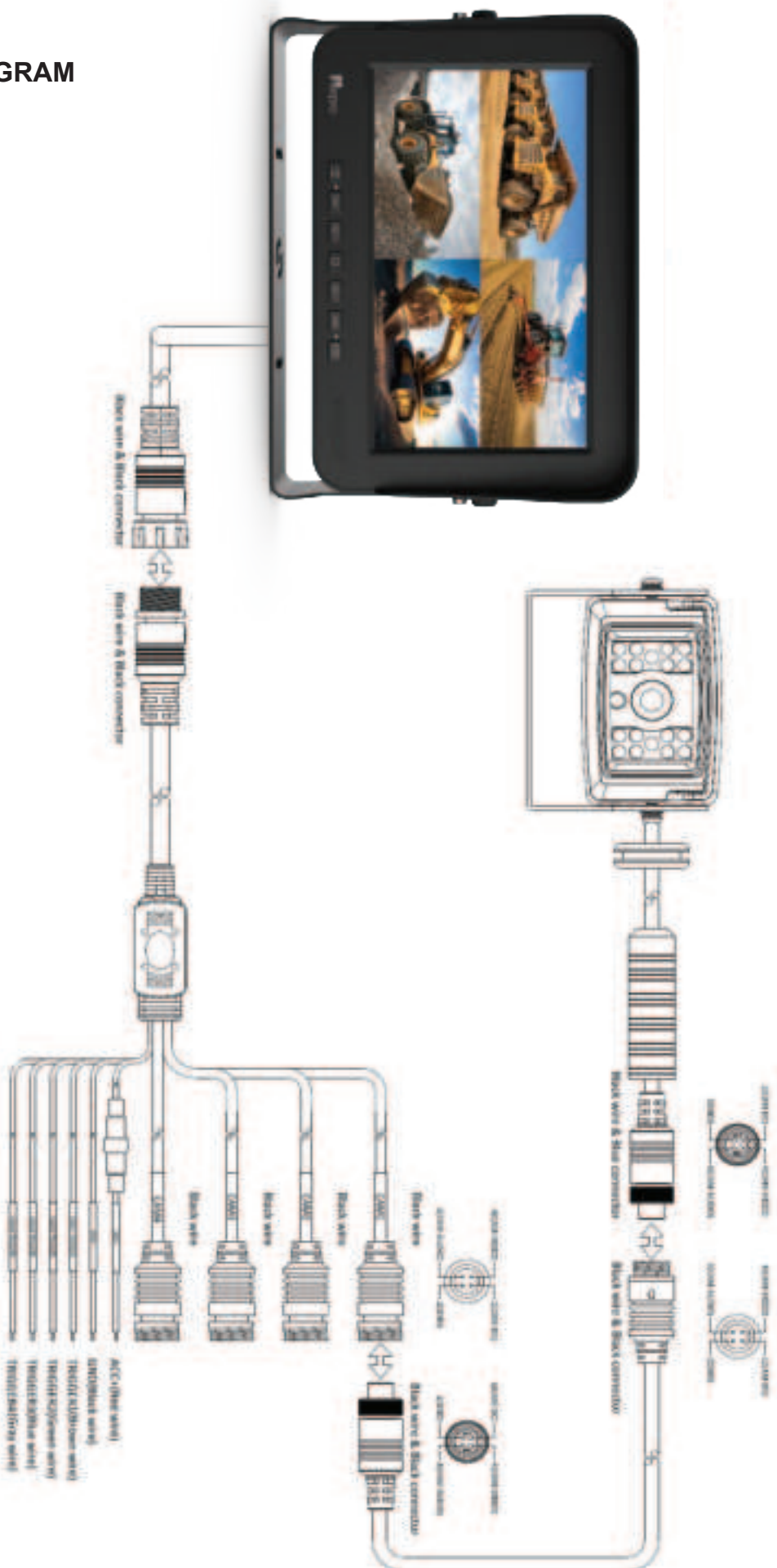

2. adjust a suitable angle

ADVANCED SAFETY **VISION SYSTEMS**

WIRING DIAGRAM

ADVANCED SAFETY **VISION SYSTEMS**

SPECIFICATIONS

- Display: 10.1" IPS Display
- Resolution: 1024 x 600
- Cameras Wired or Wireless: Wired
- Smartphone Connection: Wireless (Supports Apple CarPlay, Android Auto)
- Audio Output: Bluetooth, FM Transmitter, Built-in Speaker
- Compatibility: Suits 720p and 1080p AHD Cameras
- Video System: PAL/NTSC Selectable
- Video Inputs: 4
- Video Triggers: 4 (CH1 Priority)
- Display Modes: Single, Dual, Quad (Various)
- Monitor View: Normal / Reverse
- Guidelines: Selectable On/Off (CH2 Only)
- Audio: On board Speaker
- Luminance: 600cd/M2
- Power Supply: 11-36V (Hardwired)
- Dimensions (WxHxD):
- Monitor: 275 x 203 x 53mm (Excluding Mount)

Inclusions:
- 10.1" IPS monitor AVM10E
- 1 x Monitor Mount
- 1 x 1.5m Monitor Cable
- 1 x 1 Sunshade

Additional Information:
- This is a monitor only, cameras are sold separately.
- This monitor accepts SD, HD and AHD cameras but they need to be consistent. You cannot use a combination of SD and AHD cameras.

TECHNICAL ASSISTANCE

If you need assistance setting up or using your Aerpro product now or in the future, call Aerpro Support. Australia
 TEL: 03 – 8587 8898
 FAX: 03 – 8587 8866   Mon-Fri 9am – 5pm AEST or EMAIL: service@tdj.com.au

If you would like to download a digital copy of this manual, or other Aerpro manuals/software, please visit the Aerpro.com website and search for the product model number for more information, accessories and products.
This manual is considered correct at time of printing but is subject to change.
For latest manuals and updates refer to the website.

Note: Additional cameras and wiring may be required depending on your application, compatible products are available on our website. For more information Scan the QR code below.

AERPRO.COM

Product information and user manual.