

AVM7E 7" IP69K HEAVY DUTY AHD QUAD VIEW MONITOR

USER MANUAL



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**

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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.

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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



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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  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  button back to previous menu

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

Color	
AHD1	50
AHD2	50
AHD3	50
AHD4	50

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	
	Mirror Flip
	Trigger Delay
	Video List
	Light
	VCOM

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

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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

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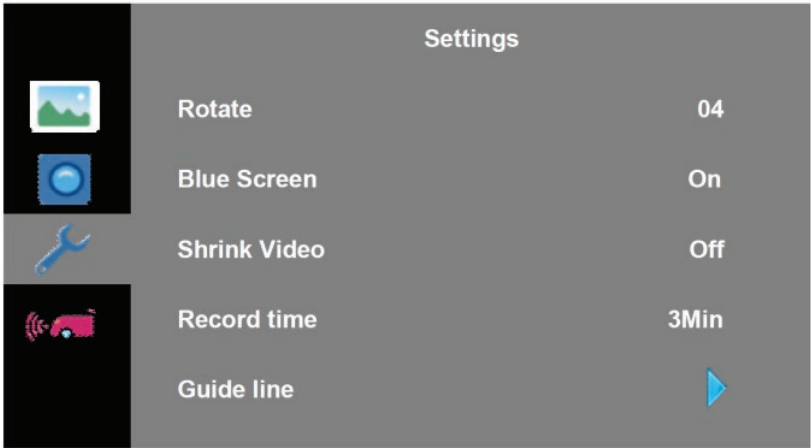
Light: When you enter into **Light** function, press **CAM2/>** button select light on and Off

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/v** 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

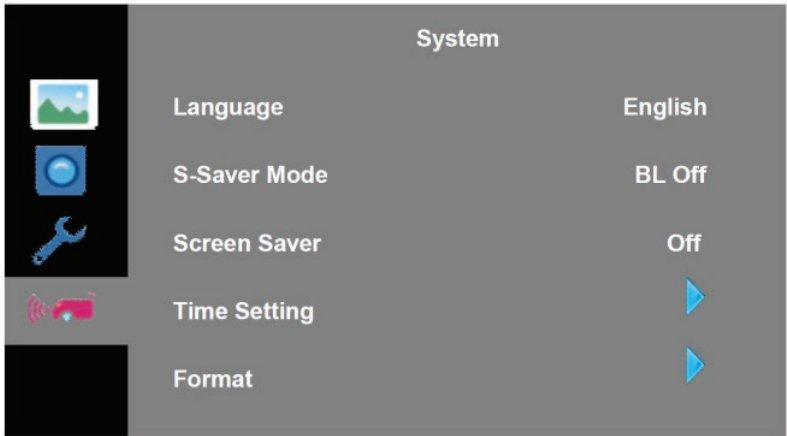
Guide line: select **AHD1, AHD2, AHD3, AHD4** guide line on and off .

Guide line	
AHD1	Off
AHD2	Off
AHD3	Off
AHD4	Off

Press  button back to previous menu

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

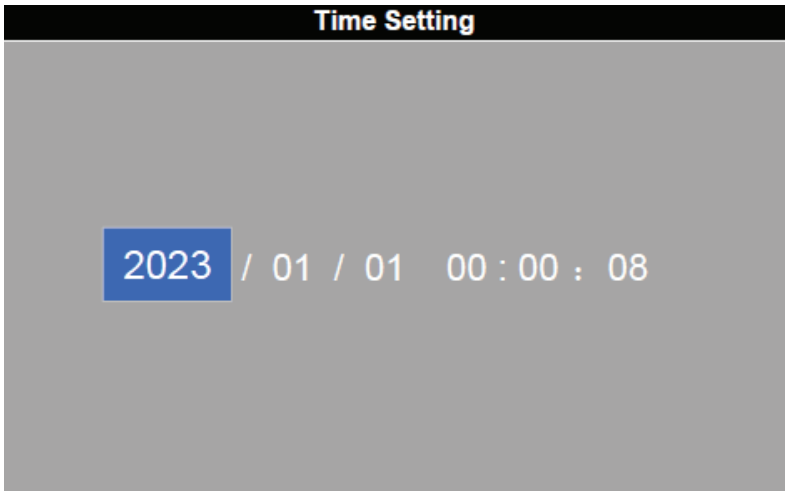


Language: available in both English and Chinese for choice

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:

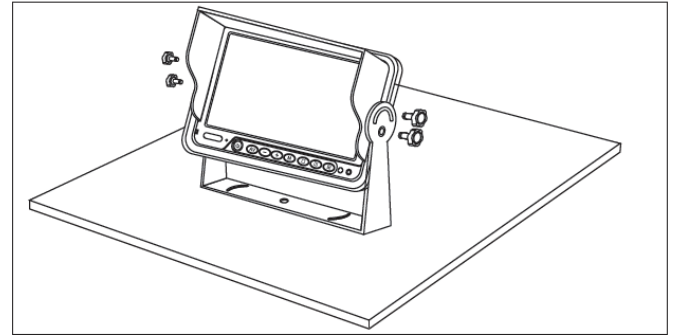
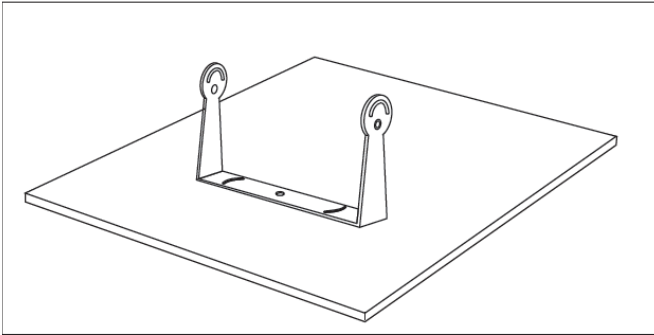


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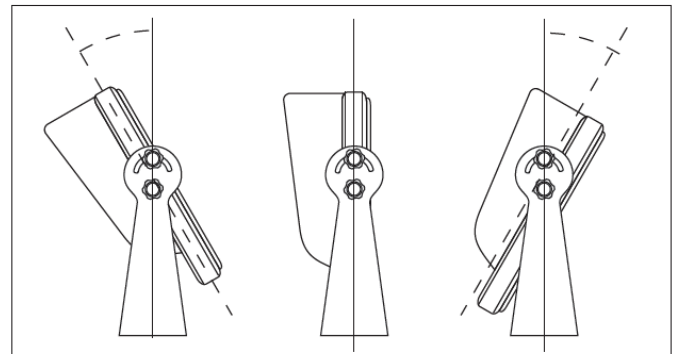
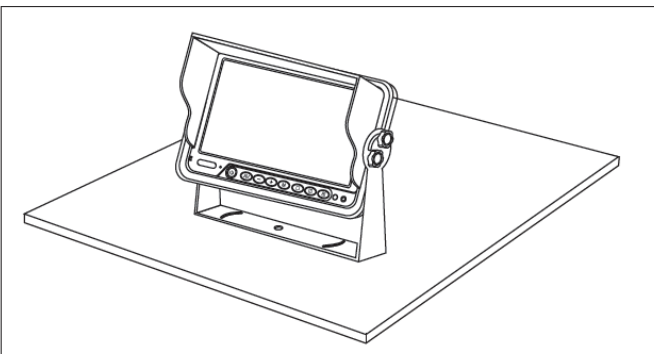
BRACKET INSTALLATION (Included)

1. U-Bracket installation

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

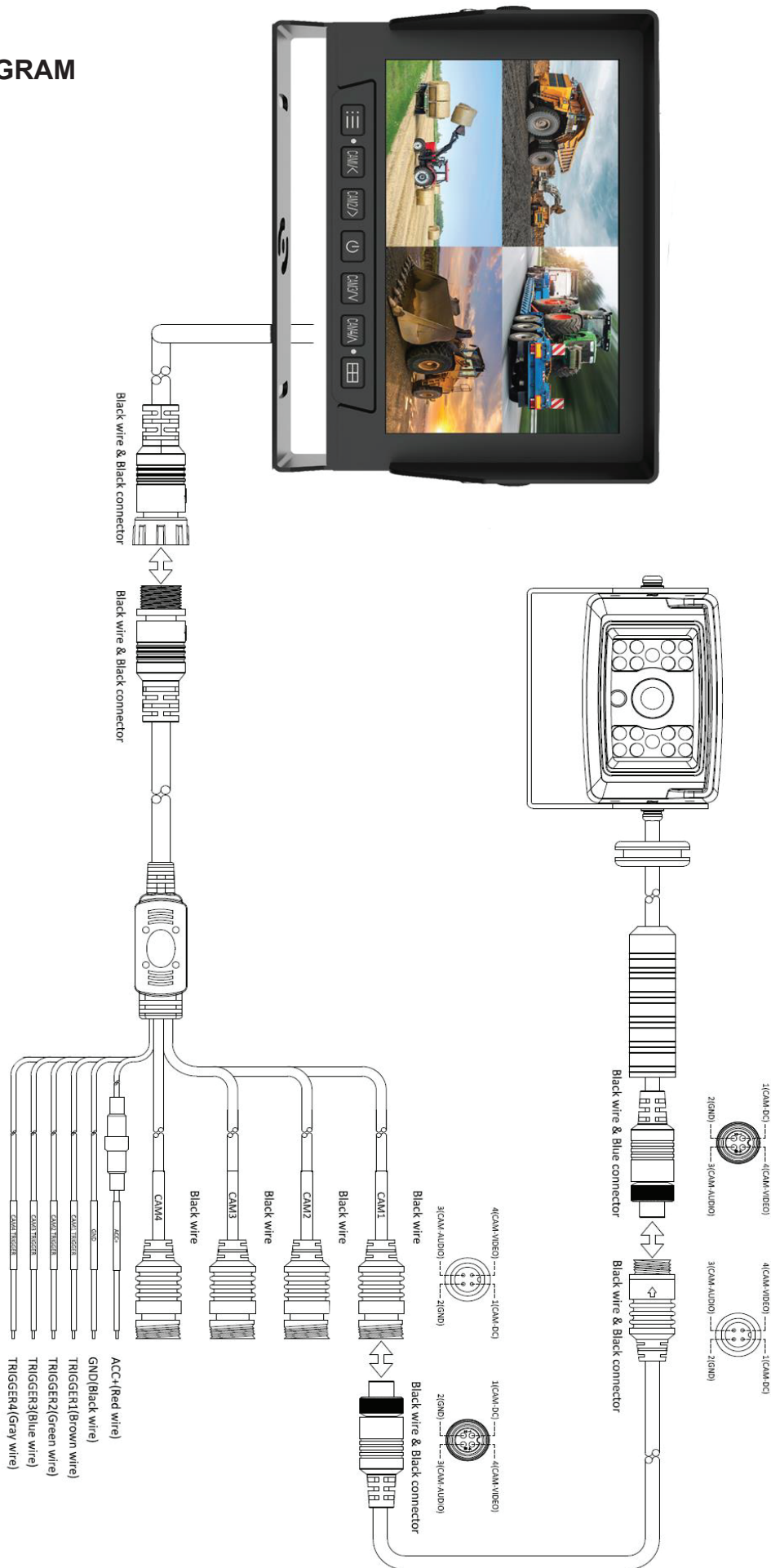


2. adjust a suitable angle



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WIRING DIAGRAM



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SPECIFICATIONS

- Display: 7" 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: 205 x 153 x 50mm (Excluding Mount)

Inclusions:

- 7" IPS monitor AVM7E
- 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.

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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.

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Product
information
and user
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