



0-775-34A - AHD - 7" 1080p AHD Quad Camera System

Durite 7" 1080p AHD Quad Camera system. Sony 1/2.8" AHD CMOS IMX307, IP68 with microphone. Supplied with 20M extension cable and remote. UKCA, CE. E Marked R10 EMC.

THE TRUSTED QUALITY BRAND FOR PROFESSIONALS



WARNINGS

Before using this unit please read these instructions carefully. Take special care to follow the warnings and safety suggestions listed below. Keep these instructions for future reference. There are no user-serviceable parts within the unit, refer servicing to qualified service personnel.

PRECAUTIONS

- Please ensure you are familiar and comply with local traffic and driving regulations.
- Connection - The camera should only be connected to a Durite cctv system.
- Heat - Do not install the camera near heat sources.
- Mounting - Ensure the camera is facing the desired direction before fixing the camera base. If fixing to isolated return chassis the camera bracket should be isolated from the vehicle chassis.
- Service - The user should not attempt to service these units beyond that described in these instructions. All other servicing should be referred to an authorised service technician.

GENERAL

The camera has a CMOS image sensor which gives a high quality picture and its solid state circuitry provides extremely long life. Compact size and single connection make it easy to install. Automatic gain control (AGC) provides a clear image in both strong sunlight and low light conditions. It is recommended that all camera lead connections are additionally sealed by either wrapping with a suitable tape or application of heat shrink sleeving. It is recommend to connect the system and test before fixing to ensure the correct field of view is displayed.

MIRROR vs. NORMAL IMAGE

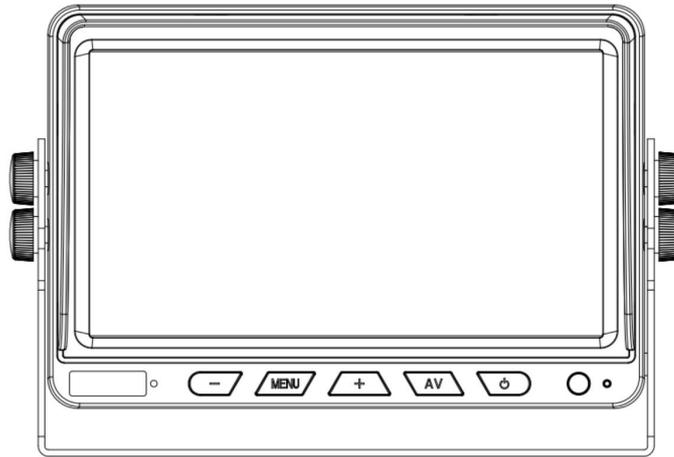
The camera default image is NORMAL image.

There is a 'jumper' included with the camera.

If MIRROR image viewing is required please connect the jumper to the applicable connection on the camera flying lead.

Disconnect then reconnect the power to the camera for the setting change to take place.

KEYSTROKE INSTRUCTION



POWER: screen ON/OFF, press power button, monitor screen will be off, then press power button again, screen will be on.

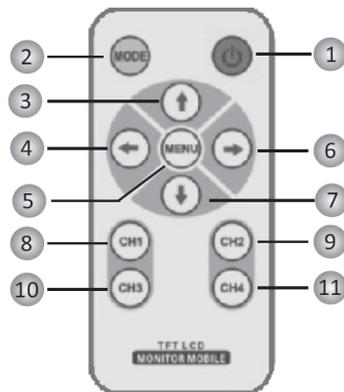
AV: selects camera view (AHD1/ AHD2/ AHD3 /AHD4 and Quad mode etc..)

+: Menu increase function

M: enter into menu interface , In the menu interface, select the **Picture, volume, function, settings**

-: Menu decrease function

REMOTE INSTRUCTION



① Power On

② Mode

③ Move up

④ Decrease setting

⑤ Menu

⑥ Increase setting

⑦ Move down

⑧ CH1 (Camera 1)

⑨ CH2 (Camera 2)

⑩ CH3 (Camera 3)

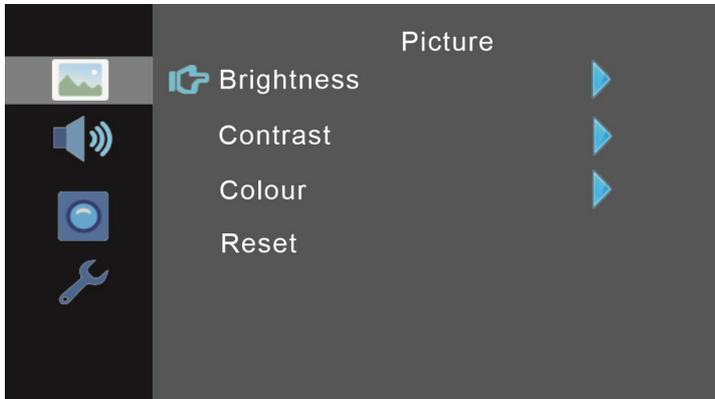
⑪ CH4 (Camera 4)

MENU

Press **M** button, monitor will enter into menu setting, In the menu interface, select the **Picture, volume, function, settings.**

PICTURE

Press **AV** button to select the Brightness, Contrast, Colour and Reset function, Press + / – button to enter into the Brightness, Contrast, Colour and Reset function.



Brightness: When you enter into brightness function, press AV button select AHD1/ AHD2/AHD3/AHD4 Press + button increase the brightness and press – button decrease the brightness.
Press **M** button back to previous menu

Brightness	
AHD1	50
AHD2	50
AHD3	50
AHD4	50

Contrast: When you enter into contrast function, press AV button select AHD1/AHD2/AHD3/AHD4 Press + button increase the contrast and press – button decrease the contrast.
Press **M** button back to previous menu

Contrast	
AHD1	50
AHD2	50
AHD3	50
AHD4	50

Colour: When you enter into color function, press AV button select AHD1 /AHD2 /AHD3/ AHD4 Press + button increase the color and press – button decrease the color. Press **M** button back to previous menu

Colour	
AHD1	50
AHD2	50
AHD3	50
AHD4	50

Light: When you enter into **Light** function, press + or – button select button illumination light on and Off

Function

Press M button to enter into the function, press the AV button can select the Mirror / Trigger Delay / Light /VCOM

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

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

Mirror : When you enter into mirror function, press AV button select AHD1/ AHD2 /AHD3/ AHD4

Press + button or – button select mirror image function on or off.Press **M** button back to previous menu

VCOM: When you enter into **VCOM** function, Press + button to increase VCOM value and press – button to decrease VCOM value to adjust the display background brightness to show the best effect under the setting brightness and saturation

Press **M** button back to previous menu

Function	
Mirror	▶
Trigger delay	▶
Light	On
VCOM	70

Guide lines	
AHD1	off
AHD2	off
AHD3	off
AHD4	off

Mirror	
AHD1	off
AHD2	off
AHD3	off
AHD4	off

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

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

AHD1	AHD2
AHD3	AHD4

AHD3	AHD2	AHD4
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AHD1	AHD2	AHD3
------	------	------

AHD3	AHD1	AHD4
------	------	------

AHD2	AHD3
	AHD4

AHD1	
AHD3	AHD4

AHD2	
AHD3	AHD4

AHD1	AHD2
	AHD3

AHD1	AHD2
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AHD3	AHD4
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AHD1
AHD2

AHD3
AHD4

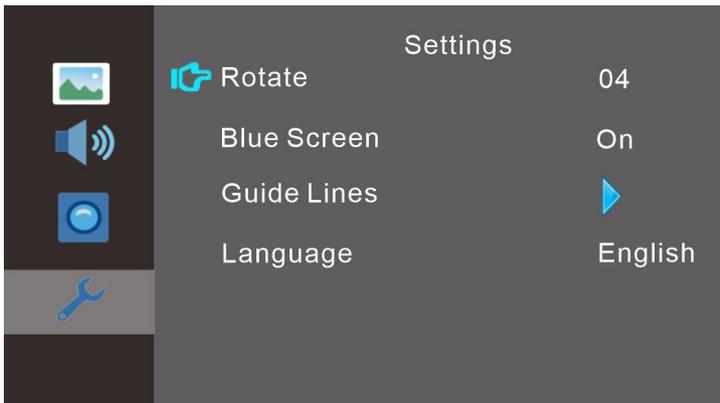
AHD1	AHD3
	AHD4

AHD2	AHD1	AHD4
	AHD2	

Settings

Settings: press M button enter into the function, press AV button select the Rotate / Blue Screen / Guide Lines / Language.

Blue screen: screen blue background on and off for choice.



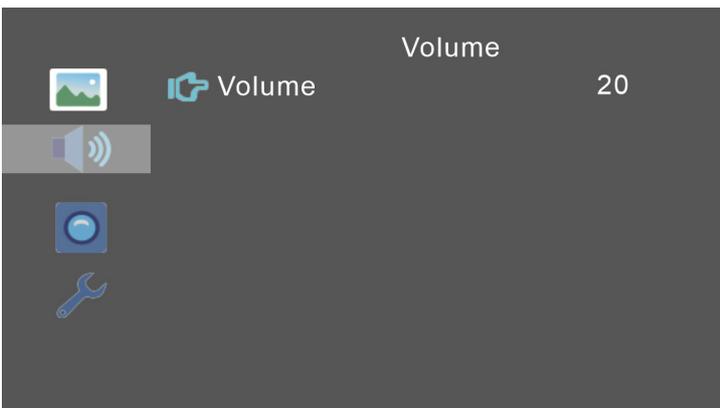
VOLUME

Press **M** button to select the volume.

Press **AV** button to select the volume function

Volume: press + button increase the volume and press – button decrease the volume.

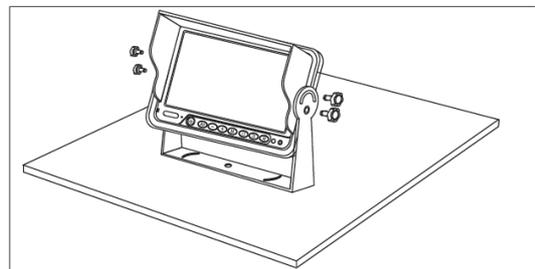
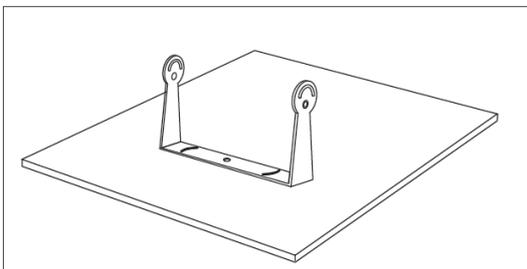
Press **M** button back to previous menu, Press **M** button again to select the Function



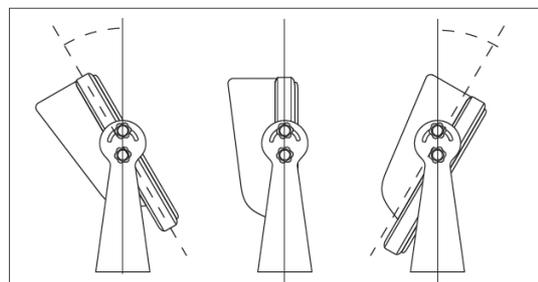
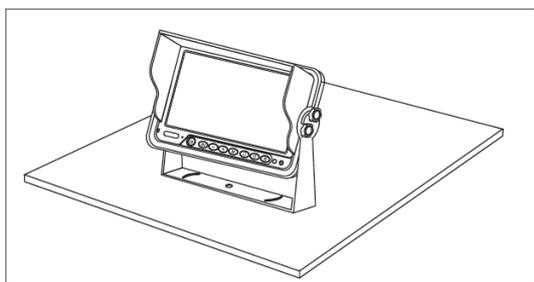
BRACKET INSTALLATION

1. U-Bracket installation

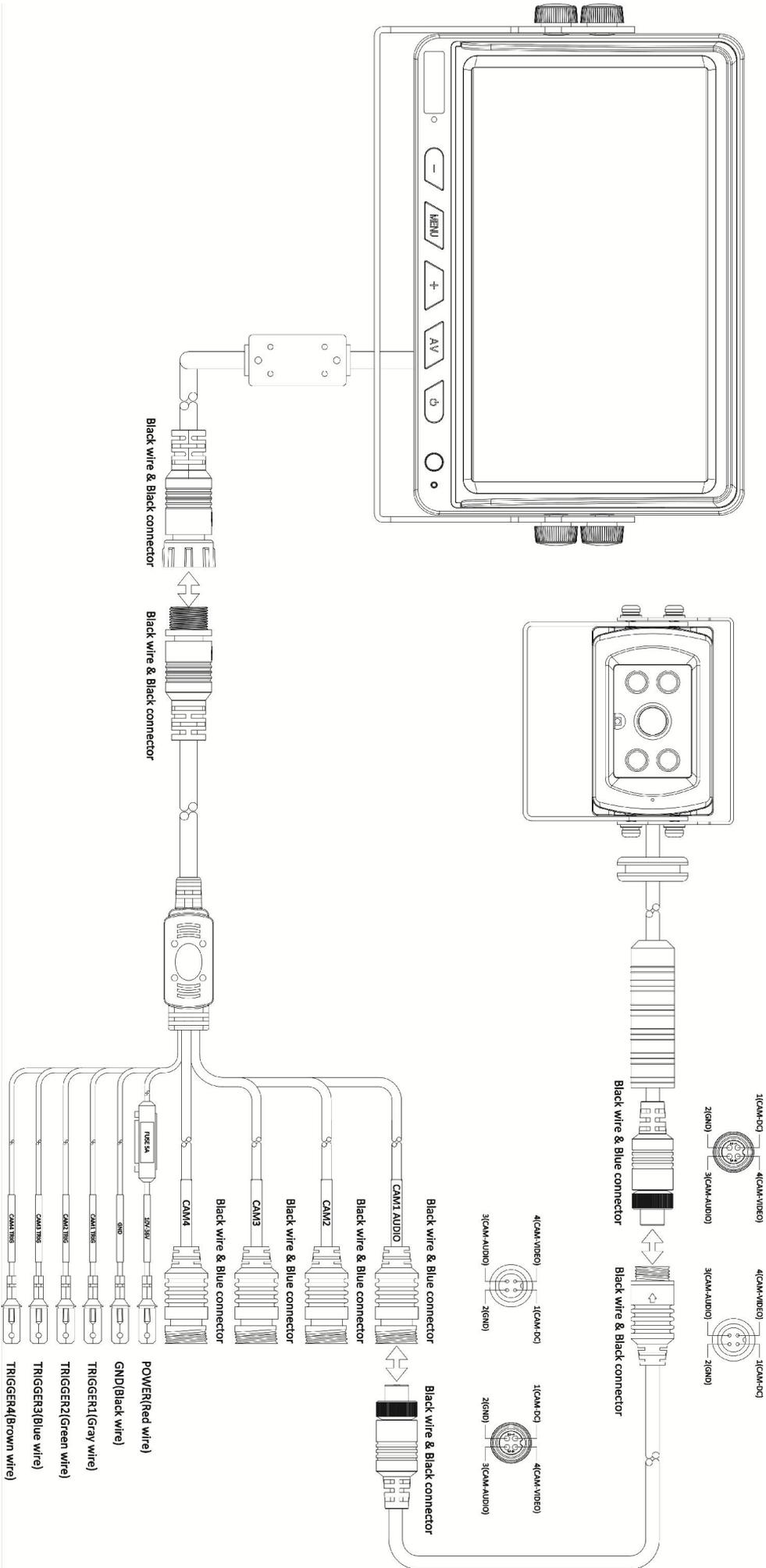
Fix the U-bracket into position, insert and lock the monitor into the bracket using the mounting Gimbal knobs.



2. Adjust a suitable angle

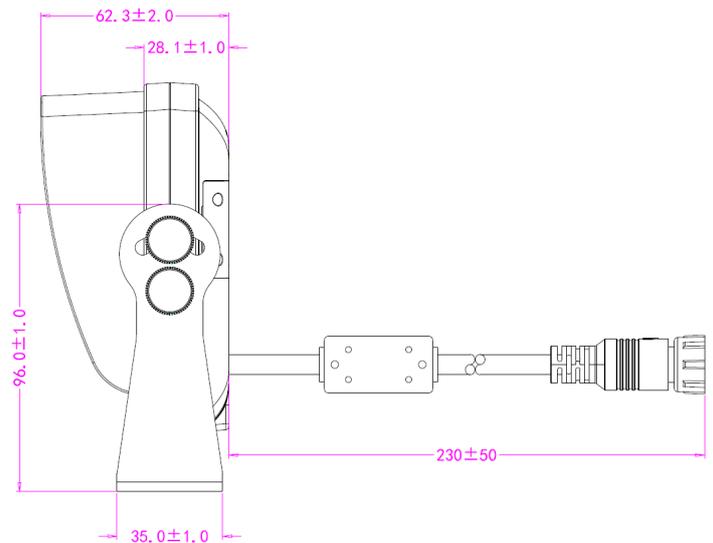
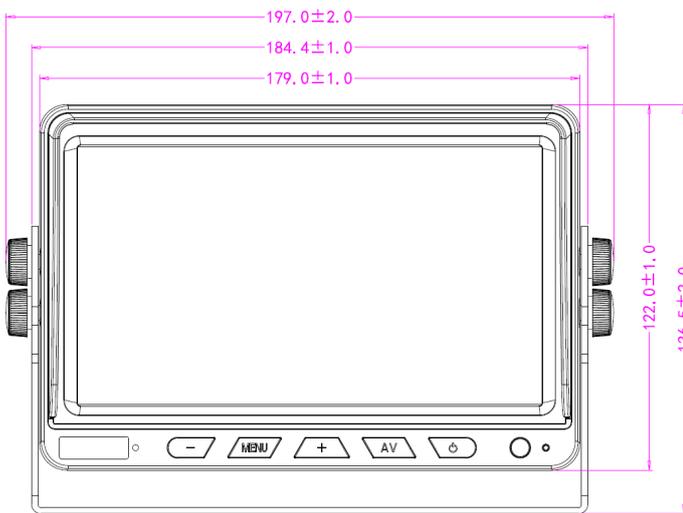


WIRING DIAGRAM



TECHNICAL SPECIFICATIONS - Monitor

Display Device	7" Colour TFT LCD
Interface	Digital TTL
Luminance (Nits)	500
System	PAL / NTSC (auto)
Video signal format type	CVBS / AHD
P/N system resolution	1024 x RGB x 700
Video frame	60FPS
Contrast Ratio	500:1
Power Consumption	5W Max
Power Supply	10-30V
View Angle (LR/UD)	L 60, R 60, U 40, D 60 (Degree's)
Connection	4 PIN Aviation (Please see system diagram)
Weight	0.440Kg
Vibration	10G
Operating temperature	-20°C ~ 70°C, RH95% MAX
Storage temperature	-30°C ~ 70°C, RH95% MAX
Dimensions	L 26 x W 177 x H 122mm
Certificates	UKCA CE E Mark R10 EMC



TECHNICAL SPECIFICATIONS - Camera

Image sensor	1/2.8" Sony AHD1080P CMOS IMX307
Resolution	1920(H)X1080(V) pixels
Lens	2.8mm
Video Mode	60FPS
Viewing angle	120° H, 95° V
TV System	PAL
Sensitivity	0 LUX with IR on
Night vision distance	Upto 10 Metres
Image mode	Normal
Vibration	10G
IR LED light	4 LED's
Power voltage	12VDC
Audio	YES
WDR	YES
AGC	YES
Electronic Shutter	Auto
Waterproof rating	IP68
Current Draw at 12V	200mA
Camera connector type	4 PIN Aviation (Please see system diagram)
Weight	0.360Kg
Dimensions	L 84 x W 76 x H 70mm
Operating temperature	-20°C ~ 70°C, RH95% MAX
Storage temperature	-30°C ~ 75°C, RH95% MAX
Dimensions	Please see below diagram
Certificate	UKCA CE, E Marked R10 EMC

