

DURITE®

7" Waterproof 4CH Digital Wireless CCTV Kit with Recording 12/24VDC Part 0-775-59



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. Please install in a ventilated area.
- **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, if lighting conditions fall below a set level the Infra-red LEDs will illuminate. 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 recommended to connect the system and test before fixing to ensure the correct field of view is displayed.

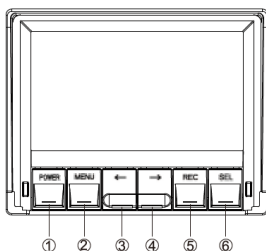
SAFETY AND INSTALLATION INSTRUCTIONS

Secure the monitor in such a way that it can not become loose under any circumstance (Sudden braking ,accidents) and cause injures to the occupants of the vehicle.
Do not attach the monitor in the area that may be used by an airbag, as this could cause injury if the airbags are triggered. Do not open the monitor. The monitor may not impair your vision when driving. Do not operate the monitor if the housing has been damaged. Connect it to the correct voltage (12/24VDC). Do not drop the monitor. The picture quality can be impaired in the vicinity of electromagnetic fields. For this reason do not mount the monitor near loudspeakers.

FEATURES

The 4TX to 1RX waterproof digital wireless system is specially designed for commercial vehicle such as truck,trailer and farm cultivator
With significant long-distance and stable transmission capacity, the transmission range can be as far as 120M
Waterproof & Dust Resistance Grade: IP68
Applicable for DC 12V/24V vehicle
With re-pairing function
With record function upto 128GB TF Card (Recommend SanDisk Class 10)

MONITOR CONTROLS



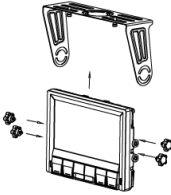
- ① POWER : power on/off
- ② MENU : menu is activated and exit the OSD menu
- ③ ← : select the item and decrease the value of this item
- ④ → : select the item and increase the value of this item
- ⑤ REC : start up/stop recording
- ⑥ SELECT : confirm the desired item and in working mode, press "SELECT" to switch display mode as the following order: AUTOSCAN-CAM1-CAM2-CAM3-CAM4-QUAD MODE-AUTOSCAN
 - : (Photosensitive resistance)enter day/night mode automatically

MONITOR INSTALLATION

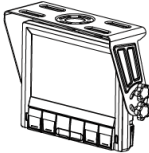
1. Fasten the monitor bracket on the vehicle firmly.



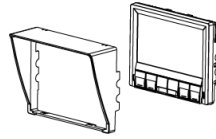
2. Fix the monitor on the bracket.



3. Finish the installation.



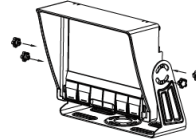
1. Buckle the sunshade into the monitor



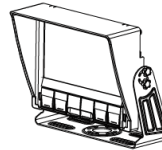
2. Fasten the monitor bracket on the vehicle firmly.



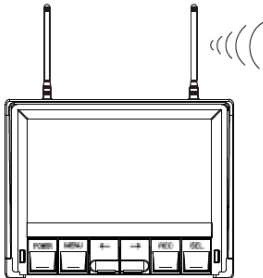
3. Fix the monitor on the bracket.



4. Finish the installation.



MONITOR CONNECTION



- Power input lead (Red)
- Ground wire (Black)
- ACC for record (Yellow)
- Trigger for cam1 (Green)
- Trigger for cam2 (Blue)
- Trigger for cam3 (Brown)
- Trigger for cam4 (Grey)



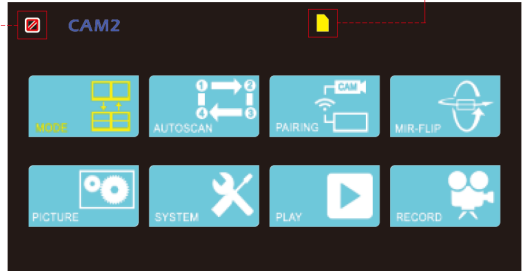
(0-775-60*4)

OPERATION

- Press “MENU” to enter main menu

No video inputs or video inputs damaged

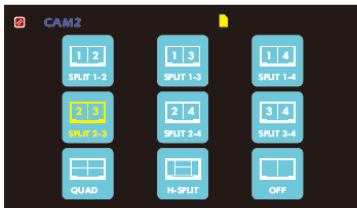
TF card damaged or no TF card, the icon turns yellow.



DISPLAY MODE SETTINGS



Press “ SELECT” to enter the sub-menu.



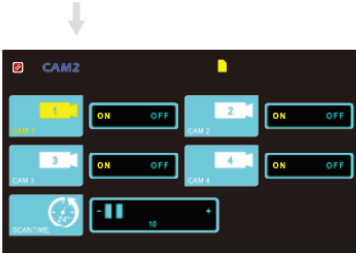
Press “+”, “-” to move the cursor.
Press “SELECT” to confirm it.
Press “MENU” to exit.

Line1, line 2 is split mode, line 3 is quad mode, OFF is cancel split and quad mode.

SWITCHING CHANNEL AND TIME SETTINGS



Press “+” to “AUTOSCAN” option, then press “SELECT” to enter the sub-menu.



- Press “+”, “-” to choose which channel you want to display, press “SELECT” to confirm, then press “+”, “-” to select “ON/OFF”, at last press “SELECT”.

Remark: The switch channel is affected by the setting display mode, eg: When you choose “SPLIT 3-4”, the default setting is “CAM3 ON”, “CAM4 ON”, “CAM1 OFF”, “CAM2 OFF”.

PAIRING SETTINGS

- Press “SELECT” to choose the channel which you want pair, then press “MENU” to enter the main menu.

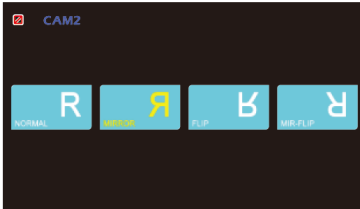


- Press “+” to enter “PAIRING” option, then press “SELECT” to enter into pairing mode, then countdown to pair for 50 seconds, power on a transmitter (camera), the system will pair automatically. After the first time paired, there is no need to pair again.

MIRROR / NORMAL SETTINGS



Press "+" to "MIR-FLIP" option, then press "SELECT" to enter the sub-menu.



- Press "+", "-" to choose "NORMAL", "MIRROR", "FLIP" or "MIR-FLIP", then press "SELECT" to confirm it. After that the camera view will change according to the setting and exit the sub-menu.

PICTURE PARAMETER SETTINGS



Press "+" to enter "PICTURE" option, then press "SELECT" to enter the sub-menu.



Choose the value from 0~9



: adjust the brightness of view



: adjust the contrast of view



: adjust the hue of view



: adjust the volume of the loudspeaker

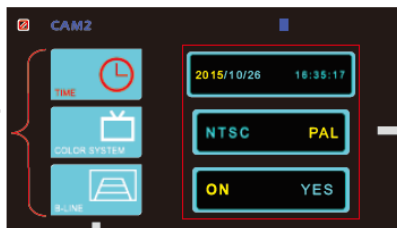
- Press "SELECT" to confirm the desired item.
- Press "+" or "-" to adjust the value.

SYSTEM PARAMETER SETTINGS



Press “+” to enter “SYSTEM” option, then press “SELECT” to enter the sub-menu.

Press “SELECT” to confirm the desired item



Press “+”, “-” to adjust the value of the item, then press “SELECT” to confirm it.

Parking line

PLAYBACK



Press “+” to enter “PLAY” option, then press “SELECT” to enter the password interface



The initial passwords is 666666

- Step 1、 Press “SELECT” to set the first password;
- Step 2、 Press “+” to change numbers(1-6);
- Step 3、 Press “SELECT” again to confirm the password;
- Step4、 Press “-” to enter the next password setting;

After finishing enter all passwords, Press “-” to choose “OK”, then press “SELECT” to confirm to enter the sub-menu

If you forget the password, you can press “MENU” and “SELECT” for five seconds at the same time.

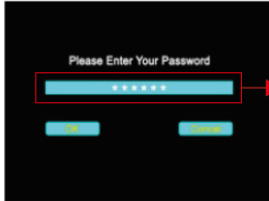
Then enter the follow sub-menu to change password.



RECORD SETTINGS



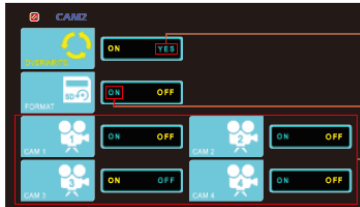
Press “+” to enter “RECORD” option, then press “SELECT” to enter the sub-menu.



The initial passwords is 666666

- Step 1、 Press “SELECT” to set the first password;
- Step 2、 Press “+” to change numbers (1-6);
- Step 3、 Press “SELECT” again to confirm the password;
- Step 4、 Press “-” to enter the next password setting;

After finishing enter all passwords, Press “-” to choose “OK”, then press “SELECT” to confirm to enter the sub-menu



Press “SELECT” to confirm it, then when the storage is nearly full, the oldest recording file will be overlapped.

Press “SELECT” to confirm it, then all the parameters return to the factory setting.

Choose which camera you want to record.

If you forget passwords, you can press “MENU” and “SELECT” for five seconds at the same time.

Then enter the follow sub-menu to change password.



RECORD TIME TABLE

SD card	Video input	Recording Resolution	Frame number (PAL)	Recording time (H)
64G	4	320*240 (QVGA) or 480*240	25 fps/channel	146
	1	640*480 (VGA)	25 fps/channel	305
128G	4	320*240 (QVGA) or 480*240	25 fps/channel	292
	1	640*480 (VGA)	25 fps/channel	610

SPECIFICATION

MONITOR

7 inch Digital TFT LCD monitor	16:9
Video input & Video output:	4CH
Wide view angle(CR>10):.....	(up/ down): 50/70, (left/right):70/70
High brightness (cd/m2):400
Contrast ratio:.....	.500
Resolution :.....	.800*3 RGB *480
Day/ night sensor for automatic adjustment	.Built-in sensor
Frequency Range:.....	.2406 - 2476 MHz
Barrier-free Transmission Distance:	≤120M (free sight)
Memory mode:.....	High speed SD card Max.128GB (Recommend Class 10)
Start Up Time:	1S Max
Latency:	< 120 ms
Video Code:	MPEG4
Audio Code:WAV, 1 channel
Protection.....	.IP65
Frame Rate.....	.NTSC:30f/s PAL:25f/s
Color system:PAL/NTSC
With soon respond (ms) (at 25°C).....	.20
Power requirement:12V/24V DC
Power consumption:	≤5W
Operating temperature:.....	..-20°C to +70°C
Storage temperature.....	..-30° to +80°C
Dimension:199(L)*140(W)*147(D) mm
Weight:.....	.476g
Certificate.....	.CE, FCC, E Marked R10.05

CAMERA

Image type.....	.1/3 Inch CMOS
Resolution(pixels).....	.750*500
Lens angle.....	.85°(D) or 126°(D)
Minimal illumination.....	.0 Lux/F2.6(Automatic IR LED)
20pcs LED for night vision.....	.>8m
Modulation.....	.2.4G FHSS
Launching power.....	.10Mw/CE/2Mw/FCC
Transmission distance.....	.120m
Channel frequency.....	.20 Chanel A/V auto switch
Operating frequency.....	.2406 - 2476 MHz
Protection.....	.IP68
Horizontal resolution.....	.500 TV Lines
Power supply.....	.9V-30V DC
Power consumption.....	≤2.5W
Signal to noise ratio.....	.>48dB
Operating temperature range.....	..-10°C to +60°C
Storage temperature range.....	..-40°C to +85°C
Dimension.....	.94mm×65mm×78.8mm
Weight.....	.360g
Certificate.....	.CE, FCC, E Marked R10.05