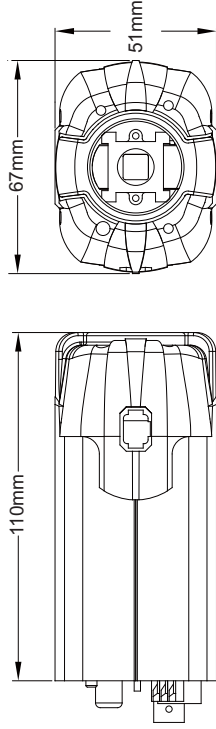




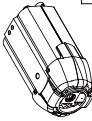
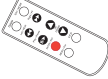




1/3" COLOR CCD CAMERA



(Lens not include it)



Packing Content

Camera Unit	Remote Control	User Manual	CS-C port connecting loop	Socket	Wrench
 1	 2	 3	 4	 5	 6

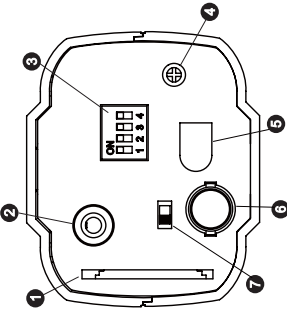
Caution

- 1 Do not install the camera in extreme temperature conditions.
- 2 Do not install or use the camera in an environment where the humidity is high.
- 3 Do not install the camera under unstable lighting conditions.
- 4 Never use the camera close to a gas or oil leaks.
- 5 Do not disassemble the camera
- 6 Do not drop the camera or subject them to physical shock.
- 7 Never keep the camera facing directly toward strong light.
- 8 Do not expose the camera to rain or spill beverages on it.

Model No.	CAM-DVR	
Pick up Device	1/3" SONY CCD Nextchip DSP Chipset	
System & Nr. of Pixels	NTSC: 768(H) x 494(V) / PAL: 752(H) x 582(V)	
Horizontal Resolution	720 + H-Pixels	
Scanning System	2:1 Interlace	
Sensitivity	~ 0.15 Lux @ F1.2 in Night mode	
S/N Ratio	More than 48dB	
Gamma Correction	0.45	
Gain Control	ON / OFF Switchable	
Back Light Compensation	ON / OFF Switchable	
Auto Exposure	ON / OFF Switchable	
D/N	ON/OFF	
White Balance	2500°K-9500°K	
Audio	High Sensitivity Mic	
Auto IRIS Lens Control	Video and DC Driver Switchable	
Built-In IR Cut Filter	Yes	
Video Compression	MPEG4 (ASF Format)	
Audio Compression	PCM	
Resolution for Video	720x480 / 640x480 / 320x240	
Frame for Video	30 fps at 720x480 / 30 fps at 640x480 / 60 fps at 320x240	
Image Quality Mode	High	Middle Low
Recording Time(1GB)	1 Hour	1.5 Hour 2 Hour
Video Mode	Manual Mode / Scheduled Mode / Motion Detection Mode	
Playback Mode	Searching by time	
Rewrite	Auto	
Storage Media	SD/MMC card (SDHC version, up to 32GB)	
Operation Temp.	-10°C ~ +55°C	
Lens Mount Type	C or CS	
Power Supply	12 VDC REGULATED	
Power Consumption	~ 210 mA, ~ 300 mA when Recording	
Dimension	110mm(L) x 67mm(W) x 51mm(H)	
Weight	200g	

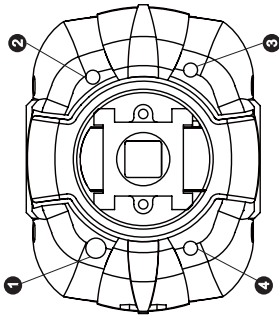
Installation

Rear Panel



1. SD Card
2. Audio
3. DIP Switch
4. DC Driver Level
5. Power Supply (DC 12V)
6. Video Out Jack
7. V.D./D.D

Front



1. CDS
2. Remote Control receiver
3. Indicator LED
4. MIC.

IRIS Jack pin assignment.

- Video Driver DC Driver
- | | | | |
|---|---------|---|-------------|
| 1 | 1. +12V | 3 | 1. -Control |
| 2 | 2. IRIS | 4 | 2. +Control |
| 3 | 3. NC | | 3. -Drive |
| 4 | 4. GND | | 4. +Drive |

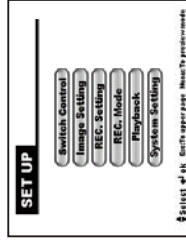
Step 1. Install the camera and ensure each plug is properly connected.

Step 2. Insert the SD card and go to the system setting to format in first time.

Step 3. Use the remote controller and press "MENU" icon to set up the system.

The Explanation of Switch

Position	ON	OFF	Description
1	ON	OFF	AES
2	ON	OFF	BLC
3	OFF	Auto	D/N
4	ON	OFF	AGC



Switch Control

AES	H / L
BLC	H / L
D/N	H / L

▶ For a Box Camera with mini DVR module, the OSD Function of "Switch Control" is not available.

Image Setting

Quality	H / M / L
Frame Rate	30 fps / 15 fps / 5 fps
Resolution	D1 / VGA

Press **UP** / **DOWN** to select item.

Press **ENTER** to confirm.

Press **ESC** to return to previous menu.

Operating Manual

REC. Mode

Manual	Go to "Scheduled Time" Setting to set up
Scheduled	Go to "Motion Detection" Setting to set up
Motion Detection	Not Support
Alarm Detection	Not Support
Mot.+Alarm Detection	Not Support

Press **UP** / **DOWN** to select item.

Press **REC** to start recording.

Press **STOP** to stop recording.

Press **ESC** to return to previous menu.

Playback



Select the file you want to display.

Display Mode:

Left / **REW**

Right / **FF**

Play / **Pause**

Press **UP** / **DOWN** to select the file.

Press **ENTER** to confirm, then press **PLAY** to play.

Press **DELETE** to delete the file.

Press **ESC** to return to previous menu.

System Setting

Language	English German Spanish
Time	YYYY/MM/DD 00:00 Press UP / DOWN to select. Press ENTER to adjust number. Press ENTER to confirm.
Format	YES/NO
Card Info.	Total Size: Usage Size(%): Remain Size(%):
Alarm Period	Not Support

Press **UP** / **DOWN** to select item.

Press **ENTER** to confirm.

Press **ESC** to return to previous menu.

REC. Setting

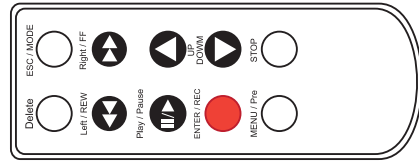
Scheduled Time	YYYY/MM/DD 00:00 Press UP / DOWN to select. Press ENTER to adjust number. Press ENTER to confirm.
Overwrite	YES/NO
Section	15min / 30min / 1hr
Motion Detection	Mask Area Press UP / DOWN to select area. Press ENTER to confirm or cancel. Sensitivity Speed Noise Margin

Press **UP** / **DOWN** to select item.

Press **ENTER** to confirm.

Press **ESC** to return to previous menu.

Remote control



Delete : Press to delete the file on the recording list.

ESC / MODE : Press to back to previous menu and quick playback.

Left / REW : Press to move left in the "mask area" and 4 levels of fast backward playback.

Right / FF : Press to move right in the "mask area" and 4 levels of fast forward playback .

Play / Pause : Press to play / pause the playback.

UP & DOWN : Press to select item and to increase or decrease the volume level during the playback.

ENTER / REC : Press to confirm and start recording.

MENU / Pre : Press to enter and exit the menu.

STOP : Press to stop recording.

PS.Please be sure to install the battery before using it.

