CUBICAM
User Manual
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在使用前详细阅读说明书，以避免错误操作，本说明书非全面或最近，有任何疑问请联系我们
Main Feature

- 480 x 240, 1.5” TFT LCD Screen
- 5.0MP FULL HD CMOS sensor
- 170° Super wide angle FOV (field of view) under 720P, 127° under 1080P 720P
- H.264 Compression into MP4 video format
- 20 Meters (60 Feet) Waterproof
- RF wireless remote controller (Power ON&OFF, Start & Stop video record)
- Support Timing record, Motion detect record, Auto record and Loop record
- Support Timing Capture (Self-timer), Continuous capture
- Zoom focus available under 720P video record and Picture capture mode
- Video resolution option in setting:
  - 16:9 Full HD 1920 x 1080P 30FPS
  - 4:3 Full HD 1440 x 1080P 30FPS
  - 16:9 HD 1280 x 720P 60FPS
  - 16:9 HD 1280 x 720P 30FPS
  - 4:3 WVGA 848 x 480 30FPS
- Picture resolution option in setting:
  - 4000 x 3000 12MP
  - 3200 x 2400 8MP
  - 2592 x 1944 5MP
- Video & Picture playback
- Support 1GB~32GB High speed TF (Micro-SD) memory card
- High speed USB2.0 interface for Power charge and Data transfer
- HDMI, USB and RCA output optional
Install and Use

Camera body buttons

1. Video Record Indicator (red)
2. Power Indicator (red) & Power charge Indicator (green)
3. MIC
4. Tripod screw hole
5. Audio output
6. TF card slot
7. REC&Confirm button
8. UP & Zoom+
9. Menu button
10. Down & Zoom- / Remote Pair
11. Power ON & Picture Capture
12. USB Port
13. HDMI Port
14. TFT LCD
15. Speaker
Remote controller

- Start video record
  Remote to start video record only under Camera Powered ON, not valid if camera is OFF.

- Stop video record
  Remote to power OFF directly or stop video record and then power OFF.

Remote Pair with Camera

Hold the “<” button under power OFF state (don’t loose it), then press POWER button to turn ON the camera, then immediately press the button on the remote controller, after the camera turned ON, then loose the “<” button.

Note:

- Screen will keep dark during the pair process
- Camera will power ON automatically if paired successfully
- Camera will power OFF automatically if pairing failed

This operation only necessary when you bought new remote controller, pairing process has been did before leave factory.
Install Battery

Please install the battery according to the graphic:

Open the battery cover

Install the battery (Note: label side face up)

Close back cover
Install Memory Card

1. Install the TF card according to graphic.

2. Camera without built-in memory, support 1GB~32GB TF card external memory expand.

3. After installed the SD card, rest available memory could be checked on the screen.

| Screen won't display the SD card icon if without valid SD card installed correctly |
| Screen will display the SD card icon if valid SD card installed correctly |

Attention:

Please use the original SD card for good using experience. Bad or phony SD card would happen the problem like "can not read" or "file damaged". Please format the SD card in this camera before use it the first time.
Install waterproof housing

As arrowhead showed in graphic below, pull "A" locker, "B" locker will slack off at same time automatically

Put the camera into the waterproof housing as graphic below:

Close the cover

Close the locker "B" first, and then press the "A" locker to locked-in.
Install the Mounts

Please choose the suitable mount to finish the installation according to different use.

Waterproof Housing buttons instruction:

Note:

Waterproof housing max depth is 20 Meters (60 Feet)

A pot of fog or water globule would glue to the inside cover, it is allowed and won't effect the camera working.
Video record and Capture

1. Press **POWER** button turn on the camera, press **REC** button to start the video record, a red icon will flash on the screen during this time.

![Video record and Capture](image1)

Press "<" and ">" button to zoom, press **REC** again to stop the video record and video will be saved at the same time.

2. Under power on state, press **POWER** button to take picture, the camera icon on the screen flash into red color and go back to white color during this time. Press "<" and ">" to zoom.

![Video record and Capture](image2)

The camera support Continuous capture and timing record, please read page 32 for more detailed setting and operation.
**Video Playback**

Press MENU button to enter the main menu of camera, use "<" and ">" to choose the video folder, the quantity of video clips will display on the corner.

![Video Folder](image)

Press **REC** button to enter the folder, video clip thumbnail will showed like below:

![Video Thumbnails](image)

Press "<" and ">" to choose the video clip, press **REC** to confirm, press again to start video playing

![Video Playback](image)

Delete files - Please read page 14 for more details.
Browse Pictures

Press **MENU** button to enter the main menu, use "<" and ">" to choose the picture folder, picture quantity will display on the corner.

Press **REC** button to enter the picture folder, picture thumbnail will show like below:

Press "<" and ">" to select picture for browsing, press **REC** to confirm, use "<" and ">" to browse other pictures.

Delete files - Please read page 14 for more details.
Delete files

Long press **MENU** button under playing back or browsing state, delete option menu will display on the screen.

Use "<" and ">" to make setting:

- **No**: cancel current operation and quit
- **Yes**: confirm current operation and quite
- **ALL**: confirm delete all files in the folder

Press **REC** button to confirm operation

**Attention** :

The files will not be recover after deleted, recommend to make copy in the computer before make this operation.
Connect to Television

1. **USB-RCA** cable connect with TV (output)

Find out the USB-RCA cable in standard accessories, USB side insert to camera, RCA side insert to TV (Yellow for Video, White for Audio)

![USB-RCA connection diagram]

2. **HDMI** cable connect with TV (output)

Please insert the A type connector to the TV, insert C type connector to camera

![HDMI connection diagram]

**Note:**

The video that output to TV is 1080P resolution when playing back video clip, real-time output display is 480i only.
3. **2.5mm - RCA** cable connect with TV (output)

2.5MM - RCA cable is not included in standard accessories.

Start playing back video clip or browse pictures

a. Turn the TV to AV or HDMI input channel, power on the camera

b. Press **MENU** button to enter main menu, press " < " and " >" to select video or picture folder, press **REC** button to enter

c. Use " < " and " >" button to select the file to playing, press **REC** to confirm, press again to play.

Note:

Real-time output resolution to TV is 480i.
Connect with Computer

Connect the camera with computer via USB cable, available for data transfer, power charge and firmware update.

Power on the camera after connect it with the computer by USB cable, and the screen will display “USB connected” like graphic below, means successfully connected.

Removable disc will be found under “My Computer”, enter the disc and it is available to browse, copy or playback the media.
Battery Power Charge

Install the battery (Note: label side face up)

Charge by computer

Note:

Power charge by computer, please make sure the camera is POWER OFF state. The green charging indicator will flash, indicator will turn off after full charged.
Charge by Wall charger

Charge by Cigar lighter charger

Attention: Only original power charger that offered in standard accessories available.
电池充电

d, Charge power via the charger,

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~ 20 ~
### Full charge time and Using time

<table>
<thead>
<tr>
<th>Full charge time</th>
<th>Standby time</th>
<th>Video Record Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 Hours in Power ON state</td>
<td>Approximately: 3.5 Hours</td>
<td>Approximately: 110 Minutes (1080P)</td>
</tr>
<tr>
<td>2 Hours in Power OFF state</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Battery Icon instruction

<table>
<thead>
<tr>
<th>Icon</th>
<th>Electric Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>🍋🍋🍋🍋</td>
<td>&gt;75% electric quantity</td>
</tr>
<tr>
<td>🍋🍋</td>
<td>&gt;35% electric quantity</td>
</tr>
<tr>
<td>🍋</td>
<td>&gt;10% electric quantity</td>
</tr>
<tr>
<td>🍋</td>
<td>&lt;10% electric quantity</td>
</tr>
</tbody>
</table>

### ATTENTION:

a. Please uninstall the battery when camera is free

b. Please do not exhaust the battery completely before power charge

c. Full charge the battery in the first time will extend the battery life.
# System Menu

## Booting picture & screen instuction

![Bootscreen Image](image)

### Icon on Screen

<table>
<thead>
<tr>
<th></th>
<th>Video resolution</th>
<th>Video record</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920x1080</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Available rest memory</th>
<th>Picture capture</th>
</tr>
</thead>
<tbody>
<tr>
<td>28000M</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Rest time of video record in memory</th>
<th>Continuous capture</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 : 33 : 24</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Year/Month/Date</th>
<th>Memory card</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010/09/21</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>System time</th>
<th>Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>04 : 27 : 48</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Main Menu

Video folder

Picture folder

If there has a video clip or picture in the folder, on the corner of the icon will display the quantity number like the graphic below:

Video setting

System setting
Record Setting

Record Mode

Press MENU button enter the main menu, and select the Record setting menu as below, press REC button to enter.

Video record setting menu will display as below:

a. Normal REC: Means the camera will start the video record after press the REC button normally under real-time preview state, press REC button again to stop video record and save the video clip.
b. **Motion detect**: Means the camera will start the video record only when the lens detected movement, camera will not stop video record until here without movement in the picture.

![Video Setting](image)

**Note**:  
The movement detect will start after 10 seconds only when first time setting did.  
First time default video record time is 1 minute, if here also have movement after recorded 30 seconds, system will continue record another 30 seconds, camera will not stop video record if movement always happen in the picture except battery empty or memory full.
c. Time REC: Set a time (local time) to start the video record automatically

![Video Setting]

Red color means current option has been selected, use "<" and ">" to add / subtract the number, press REC button to next option. After first line setting finished, press ">" move down to set next time.

![Video Setting 2]

**2011**: Year,  **03**: Month,  **28**:Date,  **18**:Hour,  **08**:Minute,  **25**: How long time of this record

The whole line will be green if setting finished, will be white if the setting time is the past, mean the setting is not valid. The longest video clip time is 99 minutes.
d. **Auto REC**: Camera will start video record automatically after power ON.

After the "Auto REC" option selected, then still need to set a time under "Auto REC time" as below:

- **OFF**: Not activated
- **10 Seconds**: Camera will start video record in 10 Seconds after power ON (start the vehicle).
- **20 Seconds**: Camera will start video record in 20 Seconds after power ON (start the vehicle).
- **1 Minute**: Camera will start video record in 60 Seconds after power ON (start the vehicle).

**Note**: "Auto REC" function should work with the "Auto REC time" setting, this function is designed for car black box that used with cigar lighter charger in vehicle. Cigar lighter charger is custom made and special for this camera, other charger will not make this camera works. Cigar lighter charger is optional accessory.
Loop Record

The camera will delete the earliest video clip for newest video clip if memory is not enough.

Select the "Loop Setting" and press "REC" button to enter the time setting.

**OFF**: Loop record is not activated

**1 Minute**: 1 minute per video clip.

**5 Minutes**: 5 minutes per video clip.

**Note**:

Loop record only available under Normal record and Auto REC mode.
Video Resolution

Choose suitable resolution for different purpose, lower resolution will save power and memory for longer time record.

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Frame Rate</th>
<th>Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920x1080</td>
<td>Full HD 1080P</td>
<td>30FPS</td>
</tr>
<tr>
<td>1440x1080</td>
<td>Full HD1080P</td>
<td>30FPS</td>
</tr>
<tr>
<td>1280x720</td>
<td>HD 720P</td>
<td>60FPS</td>
</tr>
<tr>
<td>1280x720</td>
<td>HD 720P</td>
<td>30FPS</td>
</tr>
<tr>
<td>848x480</td>
<td>QVGA</td>
<td>60FPS</td>
</tr>
</tbody>
</table>
**Record Content**

A setting option for "Audio and Video" (video clip with sound) or "Video" (video clip without sound) only.

Press **REC** button to confirm setting and quit.
**Time Stamp**

Date and Time will display on the video clip if "Enable" this feature.
Photo Size

A setting option of the picture resolution when take a picture.
Continuous Shot

Press MENU to enter the main menu, use < > button to select “Continuous shot” menu, press REC to confirm and choose the quantity of one shot.

Self-Timer

Press POWER button to active this feature, camera will take pictures in every 10 seconds if no other operation during this.

Note:

If will not available for the Continuous Shot and Self-Time feature after power OFF, will turn to normal capture automatically.
System Setting
Press **MENU** to enter the main menu, System setting icon showed as below, select and press **REC** button to enter.

![System Setting Icon](image)

Language Setting
Select the language and press **REC** button to confirm.

![Language Setting Menu](image)
Date & Time Setting

1. Date Setting:
Enter date setting, press REC to select the option, and press REC again to next option.

2011: Year option, Red color means changeable

10: Month option, press REC to select and use “<” or “>” to change

15: Date option, press REC to select and use “<” or “>” to change
2. Time Setting

03: Hour  15: Minute

Same operation as date setting.
Image Flip

Active this function when you need to install the camera at upside down position, to make right video recorded. The recorded image will flip 180°.
Light Frequency

Please choose the correct frequency according to your country or area, picture would flash if incorrect frequency set.

**CHINA:** 50Hz

**USA:** 50Hz

**EU:** 60Hz
Auto Power OFF

If you want the camera power off automatically after some time, then active this function and set a time.

Press REC button to enter and confirm setting.

**OFF** : Not actived

**5 Mins** : Camera will power OFF after 5 minutes whatever state

**10 Mins** : Camera will power OFF after 10 minutes whatever state

**20 Mins** : Camera will power OFF after 20 minutes whatever state
Auto Screen OFF

For power saving or other purpose, we would need to turn off the screen.

Press REC button to enter and confirm the setting.

OFF : Not actived

1Minute : Camera will turn off the screen automatically whatever state

5Minutes : Camera will turn off the screen automatically whatever state

Recommend to turn on this function for longer time working.
Volume

Volume option for Button press and speaker.
Format

Note:

Date can not recover after formatted, please make copy before this operation.
Memory Info

To show the used memory and rest available memory of SD card.
**Reset**

The system will reset to the factory-set if do this operation.

![System Setting](image)

**Note:**

If the user updated the firmware, would need to reset the system once to make the software work normally.
Firmware Update

Download the firmware package from official website or local distributors website, the package as below:

Copy the firmware "EGOHD1080P-V1.00.bin" to the root directory of SD card (Do not modify the file name)

Install the SD card
Select "Start" and press REC button to confirm the update operation, camera will reboot automatically after finished, if here without correct firmware in the SD card, system will notice on screen.
Version

To check the version of current running software. (Model No. – Version)

- System Setting
  - Reset
  - Update
  - Version

  CUBICCAM - V20120608
# Specifications

<table>
<thead>
<tr>
<th>Item</th>
<th>Spec</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Built in memory</strong></td>
<td>32MB</td>
<td></td>
</tr>
<tr>
<td><strong>TF Card</strong></td>
<td>1-32GB</td>
<td>Support SDHC</td>
</tr>
<tr>
<td><strong>Basic Spec</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LCD</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>size</td>
<td>1.5 inch</td>
<td></td>
</tr>
<tr>
<td>resolution</td>
<td>480x240</td>
<td></td>
</tr>
<tr>
<td><strong>sensor</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>size</td>
<td>1/2.5 inch</td>
<td>CMOS</td>
</tr>
<tr>
<td>Image pixel</td>
<td>2592H x 1944V</td>
<td></td>
</tr>
<tr>
<td><strong>video</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Output interface</td>
<td>HDMI/USB/RCA</td>
<td></td>
</tr>
<tr>
<td><strong>audio</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MIC</td>
<td>Built in</td>
<td></td>
</tr>
<tr>
<td>Output interface</td>
<td>HDMI/USB/RCA</td>
<td></td>
</tr>
<tr>
<td>speaker</td>
<td>Built in</td>
<td></td>
</tr>
<tr>
<td><strong>PC interface</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB</td>
<td>USB 2.0</td>
<td>High speed</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery</td>
<td>3.7[V], 800[mAh]</td>
<td>Li-ion battery</td>
</tr>
<tr>
<td>DC charger</td>
<td>DC 5V, 1200mA</td>
<td></td>
</tr>
<tr>
<td><strong>Main unit spec</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Main unit dimension</td>
<td>58.6x31.2x44.8mm</td>
<td></td>
</tr>
<tr>
<td>weight</td>
<td>g</td>
<td>With battery</td>
</tr>
<tr>
<td><strong>Waterproof housing dimension</strong></td>
<td>75.3x37.9x58.5mm</td>
<td></td>
</tr>
<tr>
<td><strong>Other function</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motion detection</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Timing record</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Auto record</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Loop record</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Continuous capture</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Self-timer</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Zoom focus</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Time stamp</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Item</td>
<td>Spec</td>
<td>Remark</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Image flip</td>
<td>YES</td>
<td>180° upright</td>
</tr>
<tr>
<td>Video quality option</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Support record under screen off</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>File protection while low power</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Auto power OFF option</td>
<td>YES</td>
<td>5、10、20 minutes</td>
</tr>
<tr>
<td>Video record</td>
<td>Optional</td>
<td>FULL HD1920x1080 30FPS</td>
</tr>
<tr>
<td>Say video quality option</td>
<td>YES</td>
<td></td>
</tr>
<tr>
<td>Capture</td>
<td>Optional</td>
<td>4000 x 3000 12MP</td>
</tr>
<tr>
<td>Capture</td>
<td>Optional</td>
<td>3200 x 2400 8MP</td>
</tr>
<tr>
<td>Capture</td>
<td>Optional</td>
<td>2592 x 1944 5MP</td>
</tr>
<tr>
<td>Sound record</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Slide playback</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Thumbnail browse</td>
<td>YES</td>
<td>2 x 3 Martix</td>
</tr>
<tr>
<td>Video</td>
<td>Support</td>
<td>FULL HD 1920x1080</td>
</tr>
<tr>
<td>Video</td>
<td>Support</td>
<td>FULL HD 1440x1080</td>
</tr>
<tr>
<td>Video</td>
<td>Support</td>
<td>HD 1280x720</td>
</tr>
<tr>
<td>Frame rates</td>
<td>30 FPS</td>
<td>60 FPS</td>
</tr>
</tbody>
</table>
| File format                         | FULL HD MP4 H.264/MPEG4 | }

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Wall Charger

1, Battery charger (Standard accessory)

2, Direct Charger (Optional accessory)
3. Optional Adaptor:

BS:

EU:

SAA:

USA:
Accessories

Disc Manual
Li-ion Battery
Remote controller
USB cable
Battery charger
Mount Protector
Lens Protector
Tripod attachment
Curved Adhesive Mount
Bar Mount
Flat Adhesive Mounts
Accessories

- Short right angle attachment
- Short straight attachment
- Long right angle attachment
- Standard mount
- Offset mount
- Tripod Mount Attachment
Please Recycle.