

# EP4CQ – FHD

## 4-Channel FullHD Quad Video Processor

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*User's Manual*



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Release Date: December 2020

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## 1. INTRODUCTION

EverFocus EP4CQ-FHD is able to support up to 4 analog FHD cameras, allowing users to use different display modes: quad split, full screen, POP (Picture on Picture), and auto sequence for monitoring based on their preference.

The VGA output resolution support 1920x1080 1440x900 1366x768 1280x720 1280x1024 1024x768 (Other resolution can be customized). The CVBS output support 720x480 resolution at 60Hz for NTSC video format, and 720 x 576 at 50Hz for PAL video format systems.

## 2. MAIN FEATURES

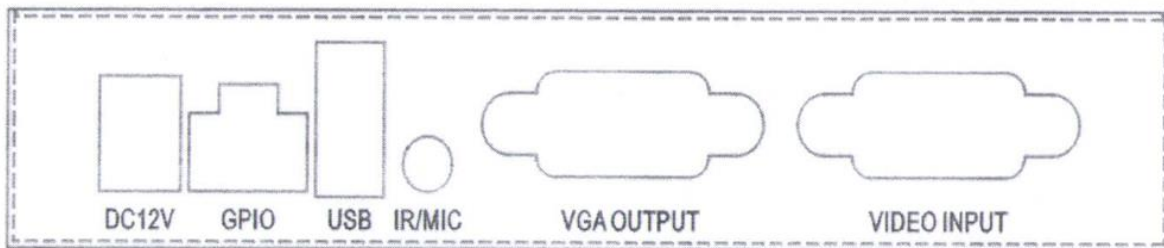
- H.264 video compression
- High resolution 1920x1080 (FHD camera input and VGA output)
- AHD 1080P/ AHD 720P/ 960H/ CVBS multiple video format mixed input
- PAL/NTSC video format automatic adaptation mixed input
- Real-time quad display (60 or 50 frames / sec), monitoring up to 4 images on the screen
- Option to watch a full screen or quadrant picture
- The video output can be set Top / Bottom / Left and Right deflate
- Build-in time and title generator
- Auto sequential switching function and adjustable dwelling time
- On screen video loss detection
- The brightness, contrast, saturation, hue and sharpness of each channel can be adjusted independently
- Independent H and V mirror adjustment of each channel
- User-friendly front panel design
- Multi-language for optional: English (default), Chinese

## 2.1 Packing List

|                         |                     |
|-------------------------|---------------------|
| • EP4CQ x 1             | • Power Cord x 1    |
| • Remote Controller x 1 | • Power Adaptor x 1 |

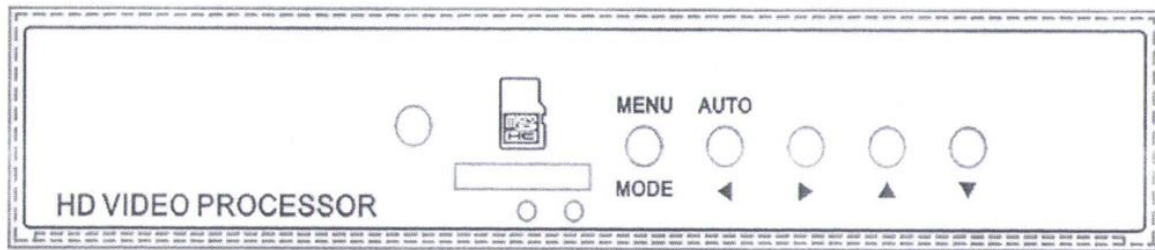
## 3. REAR PANEL / CONNECTION

### EP4CQ-FHD



| No | Connector          | Description  |
|----|--------------------|--|
| 1  | <b>DC 12V</b>      | Connects to the DC 12 V / 1A power using a power adapter. ( 8-36V wide voltage power supply) |
| 2  | <b>GPIO</b>        | Connects to 1 monitor using a RCA cable.   |
| 3  | <b>USB</b>         | Upgrade firmware or backup video files   |
| 4  | <b>IR/MIC</b>      | Connects to 1.2 meter IR extension cord (Optional).  |
| 5  | <b>VGA OUTPUT</b>  | Connects to 1 monitor using a VGA cable.   |
| 6  | <b>VIDEO INPUT</b> | Connects to 4 cameras using the coaxial cables.  |

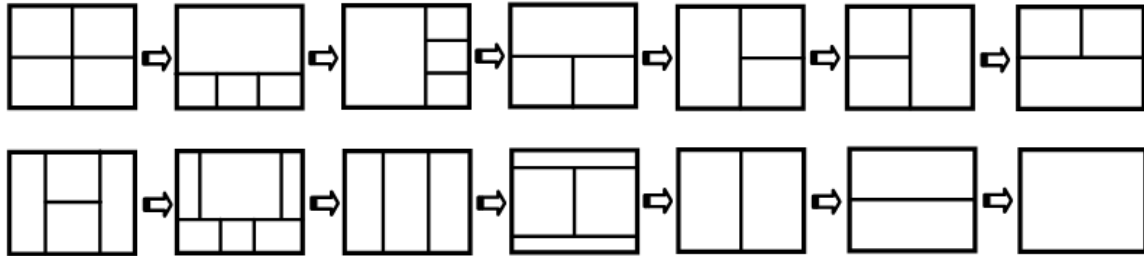
## 4. FRONT PANEL



| No | Keys     | Function Description   |
|----|----------|--|
| 1  | Reserved | Reserved for micro SD card   |
| 2  | Menu     | Long-press to enter / exit the OSD menu;<br>Short-press to enter to the setup menu.                  |
| 3  | Auto     | Long-press to enter / exit the auto sequence mode.   |
| 4  | Mode     | Short-press to switch display mode.  |
| 5  | ◀        | In live view, press to display channel 3 in full screen / In OSD, it is used as the Left arrow key.  |
| 6  | ▶        | In live view, press to display channel 4 in full screen / In OSD, it is used as the Right arrow key. |
| 7  | ▲        | In live view, press to display channel 1 in full screen / In OSD, it is used as the Up arrow key.    |
| 8  | ▼        | In live view, press to display channel 2 in full screen / In OSD, it is used as the Down arrow key.  |

## 5. FRONT PANEL OPERATION

Press the MODE key to switch display modes, you can select the display mode in the menu according to your needs, and the MODE button that is not selected will not be displayed.



## 6. IR REMOTE CONTROL

| No | Remote Panel | Function Description                             |
|----|--------------|--|
| 1  |              | POWER: Open/close the output display             |
| 2  |              | MODE: Switch display mode                        |
| 3  |              | RETURN: Exit the OSD menu or return to quad view |
| 4  |              | OK: Enter the OSD menu or confirm                |
| 5  |              | AV1: Channel 1 display in full screen            |
| 6  |              | AV2: Channel 2 display in full screen            |
| 7  |              | AV3: Channel 3 display in full screen            |
| 8  |              | AV4: Channel 4 display in full screen            |

- Compression Format: H.264
- Viewing Resolution: 1920x1080

## 7. SPECIFICATION

| Item                     | Specification  |
|--------------------------|--|
| <b>Video Output</b>      | 1 VGA+1 CVBS (RCA)   |
| <b>Video Input</b>       | 4 CH (AHD 1080P/ AHD 720P/ 960H/ CVBS)   |
| <b>Display</b>           | VGA: 1024x768 ~ 1920x1080<br>CVBS NTSC: 720x480 (60Hz)<br>CVBS PAL: 720x576 (50Hz) |
| <b>Timer</b>             | Built-in real-time clock   |
| <b>Auto Sequence</b>     | Yes (dwelling time 0-99Sec is adjustable)  |
| <b>Setup</b>             | OSD (On Screen Display) Setup  |
| <b>Remote Control</b>    | Yes  |
| <b>Power Supply</b>      | DC12V /24V ( 8-36V wide voltage power supply)                                      |
| <b>Power Consumption</b> | DC12V/400mA  |
| <b>Temperature</b>       | 0° C ~ 50° C / 32° F ~ 122° F  |
| <b>Humidity</b>          | 20% ~ 80%  |
| <b>Dimensions</b>        | 130 x 100 x 28mm/5.12" x 3.94" x 1.10"   |
| <b>Weight</b>            | 400g   |

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