

# EndoCap-3588

## Image Capture & Recording System



## Features

- » Quad-core Cortex-A76 and quad-core Cortex-A55, up to 2.4GHz
- » 8 inch 10-point multi-touch PCAP touch panel
- » 6 x USB (4 x USB 2.0 / 2 x USB 3.0)
- » HDMI in up to 4K@60FPS
- » 2 x HDMI output (1x 8K@60Hz / 1x 4K@60Hz)
- » Onboard 8GBLPDDR4x Memory

## Specifications

| Display                             |   |
|-------------------------------------|---|
| LCD Size                            | 8"  |
| LCD Resolution                      | 1920 x 1200   |
| LCD Brightness (cd/m <sup>2</sup> ) | 460   |
| LCD Contrast Ratio                  | 900:1   |
| LCD Color                           | 16.7M (8-bit)   |
| LCD Pixel Pitch (mm)                | 0.0897 x 0.0897   |
| LCD Viewing Angle (H-V)             | 170°/170°   |
| Touch Screen                        | Projected capacitive type with 10-point multi-touch                         |
| Touch Controller                    | ILI 2520  |
| System                              |   |
| Processor                           | Rockchip RK3588 (Quad core Cortex-A76 + Quad-core Cortex-A55)               |
| GPU                                 | ARM Mali-G610 MP4   |
| NPU                                 | 6TOPS NPU, triple core, support int4/int8/int16/FP16/BF16/TF32 acceleration |
| Supported OS                        | Debian 11 (Linux kernel 5.10)   |
| Network                             |   |
| Wi-Fi                               | Wi-Fi 6   |
| Bluetooth                           | Bluetooth v5.0  |
| Storage                             |   |
| Storage                             | On-board 8GB LPDDR4x  |
| RAM                                 | On-board 32GB of eMMC NAND Flash  |
| Expansion Slots                     |   |
| Expansion Slots                     | 1 x M.2 2280 M key slot   |
| Audio                               |   |
| Audio                               | 1 x Line-out jack   |
| Speaker                             | 2 x 3W speaker  |
| Microphone                          | 1 x Mic-in  |
| I/O Interface                       |   |
| Front I/O                           | 1 x Audio   |
|                                     | 1 x Speaker   |
|                                     | 2 x USB3.2 Gen 1 (5Gb/s) Type A   |
| Rear I/O                            | 1 x DC jack   |
|                                     | 1 x GHz LAN   |
|                                     | 1 x 2.5 GHz LAN   |
|                                     | 4 x USB 2.0 Type A  |

|                                 |  |
|---------------------------------|--|
|                                 | 1 x HDMI input4K@60FPS                         |
|                                 | 1 x HDMI output4K@60FPS                        |
|                                 | 1 x HDMI output8K@60FPS                        |
|                                 | 1 x 3.5 mm input                               |
|                                 | 1 x 3.5 mm output                              |
|                                 | 2 x RS-232 (GPIO)                              |
| <b>Indicator&amp;Buttons</b>    |  |
| Buttons                         | 1 x Power on/off                               |
| Indicators                      | 1 x Power LED                                  |
|                                 | 1 x Capture status                             |
| <b>Physical Characteristics</b> |  |
| Color                           | White/Black                                    |
| Thermal                         | Fanless  |
| Weight (Net) (kg)               | 1.88   |
| Weight (Gross) (kg)             | 4.89   |
| Dimensions (LxWxH) (mm)         | 205.4 x 168.34 x 162.65                        |
| <b>Power</b>                    |  |
| Output                          | 12V DC   |
| Power Consumption               | 65W power adapter                              |
| <b>Environment</b>              |  |
| Operating Temperature           | 0°C – 40°C                                     |
| Storage Temperature             | -20°C – 65°C                                   |
| Humidity                        | 10% – 95% (non-condensing)                     |
| Vibration                       | 1G   |
| Operating Vibration             | 5G peak acceleration (11ms duration)           |
| Operating Shock                 | 15G peak acceleration (11ms duration)          |
| <b>Certifications</b>           |  |
| Safety & EMC                    | CE, FCC Class A Part 15, CCC, IEC 62368-1, FDA |

## Ordering Information

|                  |  |
|------------------|--|
| EndoCap-3588-R10 | Box PC, 8" panel, PCAP touchscreen, Rockchip RK3588, on-board 8GB LPDDR4x, on-board 32GB eMMC, 65W power adapter, w/o M.2 SSD, w/ Wi-Fi Antenna, FW with IEI Logo, IEI logo plate, R10, RoHS |
|------------------|--|

## Packing List

|                       |                                      |
|-----------------------|--------------------------------------|
| 1 x 65W power adapter | 1 x European power cord, 183 cm, C13 |
| 2 x Wi-Fi Antenna     |                                      |