

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/m²)	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)
Indicator&Buttons	
Buttons	1 x Power on/off
Indicators	1 x Power LED
	1 x Capture status
Physical Characteristics	
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
Power	
Output	12V DC
Power Consumption	65W power adapter
Environment	
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)
Certifications	
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
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Packing List

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