

ESY-O0201

4G 1080P Body-Worn Camera

Features

- Integrated Ambarella CV28 AI Vision Processor
- Memory: 256MB NAND/1GB LPDDR4 SDRAM
- Storage: 64GB Micro SD Card
- Supports Advanced Image Processing/Encoding & AI Vision Computing
- Built-in LTE & Wi-Fi Modules & Antennas to Enable Live Video Streaming
- H.264 Video Streaming Encoding, Built-in 64GB Storage
- Support the SOS Button to Trigger the Emergency Event Recording & Sync to GMS Cloud
- Support 120-Degree Horizontal FOV Video Recording with Dual Mic
- Easy Wearing Option: Modularized & Adjustable Chest/Shoulder Clip

Appearance





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Revision Table

Date	Revision	Content	By
2025/8/7	0.1	First Draft	Elio

ACT POWER TAIWAN
Preliminary

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4G 1080P Body-Worn Camera

Specification

Characteristics	
System SOC	Ambarella CV28 Intelligent Vision Processor
Memory	256MB NAND/ 1GB LPDDR4 SDRAM
Storage	64GB Micro SD Card
Video Encoding Format	H.264
CMOS	Sony Starvis IMX335 CMOS
Camera FOV	FOV (D/H/V): 152° / 120° / 72°
Video Recording	Support 1080P/720P/VGA Resolution, 25/20/15/8 FPS
Video Streaming	Support 1080P/720P/ VGA Resolution, 25/20/15/8 FPS
Recorded Data	Support Pre-Recording & Post-Recording Buffer; Local-Tone HDR, Low-Light Enhancement, EIS
Video Function	2 x Build-in MEMs MIC, 1 x Nano SIM Card Socket, 1 x Mini USB, 5 x Dock Pogo-Pin for Charging/Connection.
I/O	1 x Mounting Socket
4G & GPS	Built-in 4G& GPS Module & Antenna
Wi-fi	1. Built-in 2.4GHz Wi-fi 5 Module & Antenna 2. Support Smartphone/PC Connection via Fixed IP WebGUI 3. Support Video/Audio Setting, Firmware OTA, Manually Download
Buttons	1 x Power Buttons, 1 x Video Record, 1 x Audio Record, 1 x SOS, 1 x Snapshot, 1 x Light, 1 x Menu
Indication LED	Top: 1 x Power LED, 1 x Record LED, Front: 1 x LED
Audio Prompt	Built-in Speaker, Support Audio Indication
Battery	3000mAh @ 3.7V Battery Life: 8 Hours

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Specification

Physical Characteristics	
Dimension	90 mm x 61 mm x 27.7 mm
Weight	Approx. 160 g
Accessories	1 x Chest Clip, 1 x Mini-USB Cable
	Options : 1 x Shoulder Clip , 1 x LANDock
LANDock Specification (Optional)	
Form	1 Piece & Compact Footprint, Can Fit on A Desk without Replacing Other Items, Can also Be Carried in A Bag or Briefcase
Dimension	99 x 59.5 x 42mm
Weight	70g
I/O Ports	1 x 10/100 Mb Ethernet RJ-45 (for Data Upload/Download)
Indication	1 x LED, Green = DC-in, Orange = MDE68 & RJ-45 & DC Are All Connected
Power	Comply with Common USB Adapter DC=5V, Max. Output > 2A
Operation Storage Condition	Working Temp: 0°C to +40°C Storage Temp: -40°C to +65°C Humidity : 40-80% RH (Non-Condensing)

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Environment Compliance

Operating Temp.	-10°C to +50°C
Storage Temp.	-40°C to +80°C
Humidity	40% - 80%
Drop-Proof	Drop-Proof 1.5m
Water-Proof	Comply with IEC IPX5

Environmental performance may vary according to the integration method or final integration scenario.

Reference Drawing



ESY-O0201

4G 1080P Body-Worn Camera

Deliverables

1	4G 1080P Body-Worn Camera
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Ordering Information

Model Name	Description	Unit
ESY-O0201	4G 1080P Body-Worn Camera	1

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