

SOC	Rockchip RK3399 (28nm HKMG Process)
CPU	Six-core 64-bit processor (dual-core Cortex-A72+quad-core Cortex-A53), frequency up to 1.8GHz
GPU	Mali-T860 quad-core GPU, Support OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11
VPU	Support 4K and 1080P H.265/H.264 video decoding, up to 60fps
RAM	2GB LPDDR4 (2GB / 4GB)
Storage	16GB eMMC 5.1 (16GB/32GB/128GB), Support TF card expansion
Ethernet	10/100M Ethernet interface
WiFi	2.4GHZ single frequency WIFI, support 802.11 b/g/n
Display	1 x MIPI-DSI, Single channel supports up to 1080P@60fps output (support 5.7"/8"/9.7"/ 10.1" /13.3" /15.6" display) 1 x EDP, support eDP 1.3(4 lanes, 10.8Gbps),
Audio	2ch x Speaker audio output (4Ω 2.7W) 1 x MIC audio input
Camera	Support monocular camera, binocular camera, Structured light camera MIPI camera: Supports 2-way MIPI camera (built-in dual hardware ISP, up to single 13Mpixel or dual 8Mpixel) USB camera: Supports 2-way USB 2.0 camera
USB	USB3.0 × 2(a pigtail OTG, An internal USB 3.0 wafer socket, 8Pin leads) USB2.0 × 2(a pigtail, An internal USB 2.0 Wafer socket, 4Pin leads)
Fill Light	3 x LED drive interface (white fill light), infrared fill light
Socket	MIPI touch screen×1, RTC×1(super-capacitor power supply), ADC×1, Debug×1, 5V power output x1, 12V power input x1, USB3.0 x 1, USB2.0 x 1, NFC x 1 LEDx3, Driver interface x1, ID card module x1, Heating module x1, EDP display x1, EDP touch x1, RESET key x1, Power key x1, TTL serial port x1, Radar x1, Audio output x2, IR fill light x1
Key	Reset×1, Power×1, Recovery×1
External Interface	1) Realy 2) Wiegand send x 1, Wiegand accept x 1 3) RS232 4) RS485 5) USB3.0 6) USB2.0 7) 10/100M Ethernet 8) DC 12V
Power	DC 12V-2A
OS	Android,, Ubuntu
Software	1) Provide complete face recognition, background and mobile management program 2) Provide USB/MIPI monocular, binocular, structured light camera (optional) 3) Provide 8 inch/ 10.1 inch IPS screen (optional, support capacitive touch) 4) Provide aluminum alloy case (based on 8-inch display, binocular camera)
Open Source	Android SDK source code, face recognition API
Accuracy	Recognition Accuracy > 99.77%
Detection	Support up to 32 simultaneous detection (monocular camera)
Distance	Recognition Distance : 1.5m
Face-Anti-Spoofing	Support
Mode	Support 1:1, 1:N, M:N multiple modes
Face Database	Support up to 100,000
Size	103 mm × 74 mm
Temperature	0°C - 60°C
PCB	6-layer board design

