



Vlock HAWK K6



Face Recognition



PIN



CARD



Fingerprint





1. Binocular visible light face recognition algorithm

Function	Description
Algorithm Version	EBKNv3.0
Basic technology	Deep learning, a lightweight version of the algorithm that does not use the NNIE neural network hardware engine
FAR/FRR	0.00001/ 0.1(%)
Identify Speed	Face detection: < 0.3s (It can detect 3 faces simultaneously) Face recognition: < 0.6s (Every face)
Distance of recognition	0.5 –1.3M
Face recognition Angle	Left and right: $\leq 30^\circ$ High and low: $\leq 30^\circ$
Simultaneously identifiable number of people	3
Anti-counterfeiting function of binocular living body identification	Detect mobile phone photos, mobile phone videos, photos, 3D models, etc.
Wiegand input port	Supported
Other	Strong recognition ability (dynamic recognition, mask recognition, glasses recognition, hat recognition, makeup recognition, facial expression change recognition). Using wide dynamic technology, it can be recognized in extreme lighting environment such as backlight environment, strong light environment, ultra-low lighting environment, no lighting environment (with supplementary light lamp), etc. Support for smart updates.

2. Software Functions

User registration capacity	1500
Flash	1500
Verification record capacity	150000
Management record capacity	3000
Cloud communication	Support cloud protocol
Language	Simplified Chinese, English and so on
Secondary development	Support



3. Hardware parameters

RAM	Built-in 128MB DDR3
Flash	128MB SPI NAND 256MB SPI NAND
Camera	Color camera: 1 million (1280*720) pixels Infrared camera: 1 million (1280*720) pixels Field angle: 57.2° (D)
Fill light	White filling light arrangement(9 SMD LEDs) Miniature infrared lamp (2 lamps with 60 degrees Lens)
Display	3.5" (480*320)
Communication methods	Ethernet Wireless network USB device (Firmware burning, test channel) P2P(Optional) 4G(Optional)
RTC	External RTC
Voice output	Support
Working voltage	DC9-12V 2.0A (Backup battery optional)
Working temperature	-10°C~ +60°C
Working temperature	20% ~ 80%
Touch screen	Support
Card	Support ID,IC(Optional)
Output of access control	Support
Wiegand I/O	Support