

K8 Facial Recognition reader embedded Bluetooth technology, it becomes a perfect design for true-contactless access reader, and also with mobile device cross-platform application.

ACX K8 Facial Recognition reader can detect the face is alive, fast response time less than 1 second for 1000 user.

Reader has wiegand and scramble encryption output which suitable for different security level applications.

Embedded Bluetooth technology can read the encrypted virtual credential number from Android phone and iPhone.



8800 Palm Vein /
Facial Recognition Panel

KEY FEATURES

- Face liveness detection
- Less than for 1 second (1:N) for 1000 users
- Supports Bluetooth 4.0
- RED / Green / Blue or mixed color LED Circle Ring for visual notification
- User defined reader's access granted and access denied LED & Buzzer ON / OFF times and interval
- Wiegand, OSDP standard, OSDP secure and the ACX proprietary scramble encryption format

Specification

K8 Face Recognition multi-technologies Reader				
Card Technology	HID iCLASS	HID 125KHz	EM	Mifare Classic 1K/4K
Card number output	1 ~ 64 bits CSN ; HID card number	HID card number	1 ~ 40 bits CSN	1 ~ 56 bits CSN ; Custom data models
Item No. (RF / RF+BLE)	K811 / K8T1	K812 / K8T2	K813 / K8T3	K814 / K8T4
Card Technology	SONY Felica CSN	Mifare Plus S/X	Mifare DESFire EV1/EV2	LEGIC Prime / Advant
Card number output	1 ~ 64 bits CSN	1 ~ 56 bits ; Custom data models	1 ~ 56 bits ; Custom data models	1 ~ 64 bits CSN ; Custom data models
Item No. (RF / RF+BLE)	K815 / K8T5	K816 / K8T6	K817 / K8T7	K818 / K8T8
Facial Recognition Controller	Works with ACX 8800 Facial Recognition Controller			
Camera	1.3M B/W (Liveness)		3M WDR (Photo Capture)	
Scanning System	Progressive Scan			
Scanning Frequency (H)	30Hz		25Hz	
Scanning Frequency (V)	50Hz		50Hz	
Image Sensor	1/3" CMOS			
Effective Pixels	1280 x 960		2048 x 1536	
Pixel Size	3.75um x 3.75um		2.2um x 2.2um	
SNR Max	>44db		>40db	
Dynamic Range	>80db		>100db	
Min. Illumination	>0.01 Lux at F1.2			
Power Consumption	NO LED (Max. 0.6W) IR-LED (Max. 2.0W)		No LED (Max. 1.0W)	
LED IR-850	<90 degree 500mm		No	
Lens View	M12 / 85%			
Template size	1640 bytes			
Bluetooth	Bluetooth 4.0+, 2.4GHz			
Key Authentication	Custom 128 bits diversify key for custom data model on Mifare Classic, Mifare Plus, Mifare DESFire, LEGIC			
Card Data Security	Max. 64 bits card number mixed with CSN, custom AES 128 bits key data encryption, CRC16. Apply for custom data models			
Facail Controller output	Wiegand, OSDP standard, OSDP secure and the ACX proprietary scramble encryption format			
Typical Read Range	Face detection range 1m ~ 2m, 125KHz ISO card : 6cm+, 13.56MHz ISO card : 4cm+, Bluetooth Technology : 0.5m to 10m Typical read range achieved in air; different types of metal will cause some degradation Use spacers to space product off metal and improve read range if required.			
Mounting	Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing			
Visual indicator	LED circle ring in Red, Green & Blue color, user defined mixed color and ON / OFF time interval (ms)			
Audio indicator	Internal buzzer, user defined beep sound ON / OFF time interval (ms)			
Color	Black or White			
Dimension	80 mm x 115 mm x 20 mm (flush mounted)			
Product weight	500g			
Operating Voltage	9-16 VDC, Linear supply recommended			
Operating Current	120mA AVG, 150mA PEAK			
Operating Temperature	- 31° to 150° F (-35° to 65° C)			
Storage Temperature	-67° to 185° F (-55° to 85° C)			
Operating Humidity	5% to 95% relative humidity non-condensing			
Housing Material	Polycarbonate			
Cable Distance	Facial reader to Facail Recognition Controller (max. 8 meters CAT 7 cable) Facail Recognition Controller to door access cotroller Wiegand interface: 500 feet (150 m), RS485 interface: 4000 feet (1200 m) Recommended cable is ALPHA 1295 (22 AWG) 5 conductor minimum stranded with overall shield or equivalent			
Reader installation Height	It is recommended that the center of the card reader be 1.50 meters above the ground			

ACX K8 人臉識別讀卡器原理圖

