



HF-VP930Pro RGB&IR dual mode palm vein

Information

HF-VP930Pro adopts RGB&IR dual mode palm vein/palm vein camera with high precision optical technology combined with high-performance ISP and AI module, and based on unique software AE algorithm, it can realize efficient palm detection and closed-loop palm image AE under various lighting conditions (including low light environment). In order to provide high-quality palm and palm vein images and complete image processing in the camera module, the upper computer needs to run palm/palm vein recognition algorithms including live detection and feature extraction.

It is recommended to use a system with a computing power of at least Arm4*A17@1.8GHz. The SDK supports Windows/Linux/Android platforms and x86_64 and ARMv7/ARMv8 architectures, with specific performance optimizations for embedded architectures.

Features

- ◆ Support cloud version
- ◆ Palmprint/Palm Vein Dual-Modal
- ◆ Polarized light system
- ◆ RGB/IR aligned
- ◆ Palm AE inside
- ◆ Customized Lighting Interaction System
- ◆ Large Field of View (FOV), 5-15cm Palm Scanning Working Distance

Application

- ◆ Palm ID and access control
- ◆ Subway turnstiles
- ◆ Retail payments

Model&Specification	VP930Pro	
Module Parameter	Overall dimensions	L53.33mm*W53.33mm*H14.43mm
	Camera	RGB/IR
	Communication interface	USB TypeC(USB2.0 Agreement)
	Palm capacity	20,000
	Palm working distance	5~15cm
	QR code scanning working distance	3~20cm,Supports for Simple QR Code
	Operating voltage	5V~12V
	Power supply current	>1.5A@5V
	Module power consumption	Average 2.5W
	ESD level	Contact discharge±4KV, air discharge±8KV
	Palm Scanning Angle	Pitch angle 30°,roll angle 30°,horizontal rotation 360°
Palm Algorithm Performance	Palm Recognition Success Rat	99%
	Host Computing Power Requirements	4*A17@1.8GHz
	Algorithm Deployment Method	Support fo rLocal Deployment and Cloud Deployment
	Cloud Library Capacity	Support half a million,1/2/..5million,depends on servercapacity
Firmware and SDK Capability	Image Processing	High-Performance ISP inside/Palm AE inside
	Security	Palm vein Feature Encryption
	OTA Support	Support for USB Upgrade
	Compatibility of the system	Android;Windows;Linux
Operating Conditions	Operating Temperature	-10 ~50
	Relative Humidity	0~95%
	Illuminance	0~50,000Lux (Module Not Exposed to Direct Sunlight)
Storage Conditions	Storage Temperature	-40 ~85
	Storage Humidity	10%~95%



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