

FS11P & FS20

Fingerprint Total Solution Provider

Fingerprint Optical **Sensor**



Fingerprint Optical Sensor

● FEATURES

- Excellent Quality of Fingerprint Image
- Large sensing area
- High image resolution: 500dpi(dots per inch)
- Excellent robustness against scratch and impact-resistance
- Longer lifetime
- Easy maintenance
- ESD (Electrostatic Discharge) immunity
- IP67(Ingress Protection): Protection against solid objects and liquids (FSxx-W Series)
- Hardness of sensing area (Hk = 9): Optional

● APPLICATION

- Fingerprint based access control systems & door-lock
- Fingerprint based machine control
- Fingerprint based weapon control system
- Fingerprint based car locks
- Bank employee and customer identification system using fingerprint

● SPECIFICATION

	FS20	FS11P	FS11P-W	FS11P-WI	FS11P-WM	FS11P-AM
			FS11P-WH	FS11P-WIH	FS11P-WMH	FS11P-AMH
Water-Proof			●	●	●	●
Air-Proof						●
PCB Coating			●	●	●	●
IC Temperature Range	0°C~40°C			-20°C~70°C	-40°C~105°C	-40°C~105°C
Package Dimensions(mm)	42 x 20.5 x 25		55 x 20.5 x 25			
Active Area Size(mm)			18.8 x 16			
Array Size(pixels)	400 x 300		640 x 480 → 540 x 440			
Sensor IC	HB7121		OV7720-C01A		OV7710-F00V	
Format	Black/White CIF		CMOS VGA			
Image Resolution(DPI)	500		> 500			
Weight(grams)	< 32		< 40			
Operating Voltage	3.3VDC		1.8VDC / 3.3VDC			

※ A : Air-Proof, H : Hardness, I : Industrial type, M : Automotive, W : Water-Proof, CIF : Common Intermediate Format



※ This specification is subject to change without prior notice.

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