

ACCURANCE OV-102

Anti-tailgating system

OUTDOOR PROTECTION

INDOOR PROTECTION

REDWALL

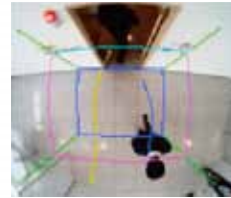
ACCESS CONTROL

TECHNICAL INFORMATION



Unique algorithm for anti-tailgating detection [Vector focal method]

The Accurance OV-102 grasps and tracks a shape of human sterically by a unique image sensing technology. The system can recognize complicated movement and the number of people at high rate and accuracy.



FEATURES

- Door cancel function
Ignore door movement on installation side of detection unit.
- Workability
Install on existing door
- Detection area adjustability
Detection area can be adjusted after installation of detection unit.
- Sensitivity adjustability
Sensitivity can be adjusted after installation

SPECIFICATIONS

Items	Specifications		Remarks
Detection Method	Vector Focusing Method		
Detection Accuracy	> 95% (by own criteria)		
Supply Voltage	Power over Ethernet IEEE 802.3 af		
Warm-up time	Approx. 45 sec.		
Power Consumption	Control box	10 W max.	
	Detection unit	10 W max.	
Indicator	Control box	Green	Power, Authorization, Normal entry (lit)
		Red	Tailgating (lit) / Multiple detections (blinking)
		Green / Red	Warm-up (lit) / Trouble (blinking) Communication trouble (alternative blinking)
	Detection unit	Green	Power (lit) / Normal entry (blinking)
		Red	Tailgating (lit) / Multiple detections (blinking)
		Orange	Warm-up (lit) / Trouble (blinking) Communication trouble (alternative blinking)
Dimensions	Control box	265 × 135 × 31 mm	(W × H × D)
	Detection unit	193 × 85 × 34 mm	(W × H × D)
Weight	Control box	800 g	
	Detection unit	220 g	
Operating Temperature	0 to 50°C		
Operating Humidity only under no condensation	< 80% RH		only under no condensation
Operating Illuminance only the outline of an object is shown	100 to 20,000 lux *1		only the outline of an object is shown
Applicable Door Type	Manual Swing Door/Automatic Slide Door		
Install location	Control box	Wall / stationary	Interior only
	Detection unit	Ceiling	Interior only
Mounting Height	Detection unit	2.5 to 4.0 m *2	It may be limited by environmental conditions.
LAN wiring	CAT5e or larger		100 m max. in length
	Ethernet		100Base-T(X) Protocol : TCP/UDP(IPv4), ARP, ICMP or HTTP 26/37bit
Input terminal *3	Authorization	N.O./N.C. no voltage Wiegand	
	Door open	N.O./N.C. no voltage	Use supplied magnet switch when disable to get
	Door locked		
	Disable output *4		
	Output reset		
Output terminal *3	Tailgating①	MOS FET relay N.O./N.C. no voltage 30 V DC 0.2 A or less (Resistibility load)	Variable timer 0.2 to infinity
	Tailgating②		Pulse output for every entry
	Normal entry		One shot/Timer switching
	Number of pass		Pulse output for authorization
	Unlock command		Pulse output for authorization
	Authorization number		Continuous output during multiple detections *5
	Multiple detections		Output when disable to detect
	Error		

*1 OV-102 always requires 100 lux or more.

*2 Maximum width of door opening is 2 m when mounting at 2.5 m high.

*3 Input/output relays can be selected N.O./N.C. by the dipswitch.

*4 "Disable output" is recommended to use for an entrance with carriage or luggage. They may make a false detection.

*5 Multiple detections must be ON by the dipswitch settings.

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