SENSE 2

Robust. Formidable. Tenacious.

Taking cue from its predecessor, SENSE 2 is a beast designed specially to withstand the harsh outdoor environments.

An improvement over Invixium's original star for industrial environments, SENSE 2 does everything that SENSE was capable of and more. The new and improved multispectral imaging Mercury sensor from HID Lumidigm with enhanced Liveness Finger Detection Technology available in SENSE 2 is recommended for all outdoor environments, especially where users will come across harsh and dirty environmental conditions and for installations where the user population has problematic fingers due to age, genetics or other environmental conditions. SENSE 2 is also equipped with the ability to power the door strike directly, removing the hassle of separate wiring for door strikes during installations.

With a larger biometric record capacity and more processing power, SENSE 2 is power packed to fulfill a broad range of market requirements.

MULTISPECTRAL IMAGING

PoE+

PRESENCE DETECT

DEVICE POWERS DOOR STRIKE
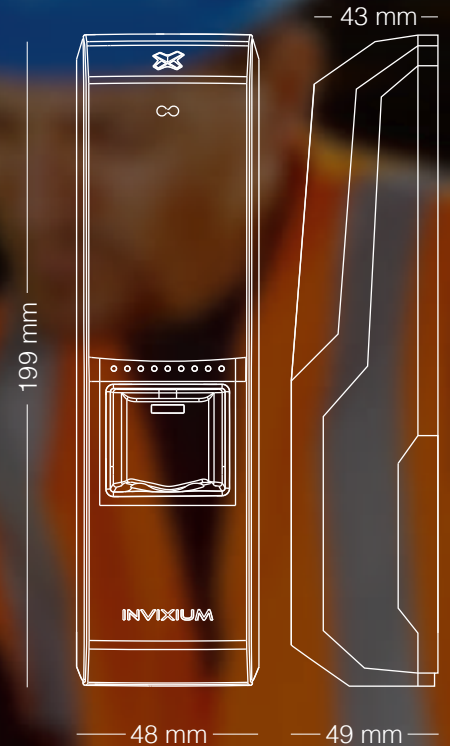
SINGLE DOOR ACCESS CONTROL

iCLASS by HID

PROX BY HID

Technical Specifications

Processor	ARM Cortex A8 - 1 GHz
Random Access Memory	512 MB DDR3L @ 303 MHz
Flash Memory - NAND	1 GB
Operating System	Android® OS (4.1.2)
Serial Communication	RS - 232, USB - Aux RS - 485 (OSDP Compliant)
Ethernet	100BASE-T
Wiegand	Customizable up-to 512 bits
USB	USB 2.0 On - The - Go (OTG)
# of SPOs & SPIs	3 & 3
Door Access Controller	2A (1 O/P, 2 I/P, 1 Relay)
Door Strike Supply	12V @ 500mA
Anti-Shock Vandal Protection	Standard
Auto On (Proximity Sensor)	Yes (2 meters)
LEDs	1 (Power & Status)
Audio	Speaker (2 Watts), Microphone
1 : N Users (Records)	20K users (40K biometric records)
1 : 1 Users (Records)	100K users (200K biometric records)
# of Transaction Logs	500K
PoE+	IEEE 802.3at
Power Supply*	12V DC @ 1A, 24V DC @ 0.5A
Operating Temperature	-20˚ C to +60˚ C (-4˚ F to +140˚ F)
Relative Humidity	0% ~ 95%, non condensing
Regulatory Approvals and Certificates	FCC, CE, RoHS, IP65, IK08

*If device is powering the door strike, power supply should be 12V DC @ 1.5A.

Dimensions

— 43 mm —

199 mm

48 mm — 49 mm

Device Models

SENSE 2	Sensor	Model	Colors
	FPL	1	Black/Titanium
	FP	2	Black/Chrome
		3	
		4	
		5	

FPL - Lumidigm Multispectral Sensor
FP - Optical Sensor

1 - Fingerprint only
2 - Fingerprint + Card Reader† (EM Prox / MiFARE / DESFire)
3 - Fingerprint + Card Reader† (HID Prox)
4 - Fingerprint + Card Reader† (iCLASS / MiFARE / DESFire)
5 - Fingerprint + Card Reader† (EM Prox / HID Prox / iCLASS / MiFARE / DESFire)

How to Order

SENSE 2	FPL	4	Colors
SENSE 2	Lumidigm Multispectral Sensor	Fingerprint + Card Reader† (HID iCLASS / MiFARE / DESFire)	Black/Titanium

†EM Prox - 125 KHz (4100, 4102, 4200)
HID Prox - 125 KHz (ProxCard II)
iCLASS - 13.56 MHz (iCLASS Standard, iCLASS SE)
MiFARE - 13.56 MHz (MiFARE Classic, DESFire, DESFire EV1)