

BIOSMART PV-WM READER



The BioSmart PV-WM is a wall-mounted reader designed as an affordable yet powerful installation with palm vein identification support. The device operates via a UniPass controller, that can support two devices. This feature, as well as the lack of a screen and keyboard on the reader, allow for a reduced overall cost in installation when several readers are necessary.

Highlights

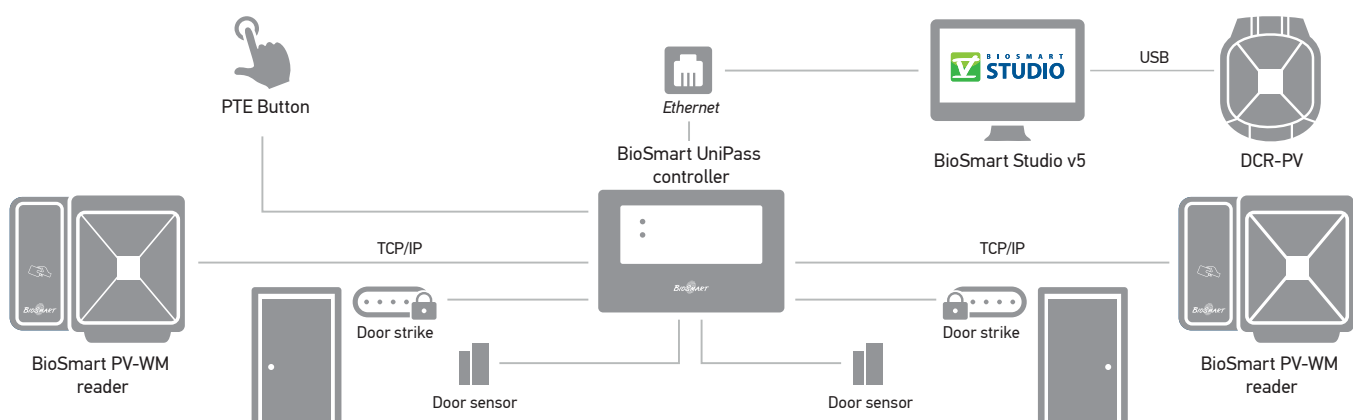
- Compact design
- The most affordable palm vein solution
- Extreme accuracy and secure identification
- Outdoor installation
- Forging is next to impossible
- Method is non-intrusive and works with almost any person of any age

Technology

Operation of BioSmart PV-WM reader is based on the technique of palm image generation in IR light of a certain wave length. Blood depleted of oxygen possesses a larger IR radiation absorption factor as compared to the living tissue of a palm. Thanks to this effect, veins hidden under cutaneous tissue become visible when scanned in IR range of the spectrum. Produced vein pattern is unique for each person, and the system uses it for further identification.

Technical Specifications

Authentication types	Biometric or card Card + biometric
Match time (1:1000) in local mode, by palms	< 2 sec.
FAR (False Acceptance Rate)*	0,000008 %
Smart card reader	MIFARE Classic®/MIFARE® DESFire® EV1 (13.56 MHz) HID Prox/iClass/iClass SE (125 kHz / 13.56 MHz) Legic Advant (13.56 MHz) EM Marin (125 kHz)
LED indication	Tri-color (blue, red, green)
Audio	Multi-tone buzzer
Communication	USB 2.0, up to 5 m (16.40 ft)
Controller type	UniPass
ZFlex Relay Module support	Yes, via UniPass controller
Tamper detection	1 switch on removing device from wall
Power requirements	12V±15%, 0.4A
Operating temperature	-40 ... +50 °C
Housing type	Plastic, wall mount
Dimensions (H x W x D)	175 x 150 x 125 mm (6.89 x 5.91 x 4.92 in)
Weight	650 g (23 oz)
Regulatory approvals	CE, RoHS2
Warranty	3 years



BioSmart s.r.o.

Address: Konevova 2660/141, 130 00 Praha 3, Czech Republic
 Tel.: +420 608 837 117
 E-mail: sale@biosmart-tech.com
 www.biosmart-tech.com