SPECTRA
RIGHT AHEAD

BioStamp
2R

A new generation of biometric reader with perfect blend of quality, aesthetics and spectra trust.

Key Features

▸ Biometric Access Reader

Get distinct advantage of field proven fingerprint authentication technology for allowing access to any restricted area. Industry standard weigand interface support to connect with any access control panel.

▸ Multiple RFID Technologies

Supports popular RFID technologies with inbuilt EM reader and option of having Mifare, HID iClass and HID Prox readers. Fingerprint template can be stored on Mifare card to facilitate data portability & unlimited users.

▸ Ultra Sleek Design

BioStamp series of product boasts of high aesthetics with ultra modern design, sleek form factor helps in even installing the product directly on the door panels.

▸ Effortless Template Management

With inbuilt TCP/IP interface finger print template can be transferred and managed over Ethernet effortlessly through software. The device comes with registration and template mangament software.

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RUGGED OPTICAL FINGERPRINT SENSOR

ULTRA SLEEK DESIGN

IP65 WEATHER PROOF HOUSING

FIELD UPGRADABLE SOFTWARE

TAMPER PROOF

▸ **IP65 Weatherproof Housing**

Product enclosure is designed to meet IP65 standard of protection for both hot and cold climates. This gives complete protection from dust particles, rainwater, airborne pollutants and such other environmental threats.

▸ **Field Upgradable Software**

Facility to onsite update the device software through ethernet interface so that any customization or product updates can be easily upgraded without any need of removing the device and sending it back to service center.

▸ **Rugged Optical Fingerprint Sensor**

Equipped with most reliable fingerprint matching algorithm to ensure unrivaled accuracy with best verifications results. Auto finger update helps in keeping track of finger changes over the period thus takes care of dry, wet and swollen fingers.

▸ **Tamper Proof**

Device offers security and generates alarms in case someone tries to fiddle with it. The alarm signal can be captured by the control panel to take necessary action.

SMART ▸ SLEEK ▸ POWERFUL

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HARDWARE

Finger Print Module	533 Mhz, 32 bit, Dedicated DSP processor
CPU	8 bit Microcontroller running at 42 MHz
Memory	4MB Data Flash
Finger Print Sensor	Most rugged and accurate optical finger print sensor
Resolution	Fingerprint reader with 500 dpi resolution
EER	<0.1%
Card Reader Support	Inbulit EM reader** (optional Mifare†, HID Prox**, HID iClass† reader) for 1:1 match
Verification Time	1:1 match < 0.7 sec, 1:N match < 0.7 sec for less than 1000 finerprint templates
Template Storage	Non volatile memory to store 9000 finger print templates
LED Display	Tri colour LED indication to display verification results
Audio	Inbuilt piezo buzzer
Communication	10 Base-T RJ45 ethernet interface (TCP/IP)
Reader Interface	Output weigand port, configurable from 26 bits to 255 bits/Clock Data
Tamper Detect	3 axis accelerometer to provide tamper detect TTL output signal
LED Control	Open collector input to control the green LED of device
Buzzer Control	Open collector input to control the buzzer of device
Watchdog	Inbuilt watchdog supervisor
Supply Requirement	12VDC / 1A Switch mode supply
Power	Less than 5 watt
Enclosure	IP65 rated weatherproof ABS-PC housing with sleek aesthetics
Operating Temp	0 to 50°C
Humidy	RH 5 to 95% Non-Condensing
Weight	290grams
Dimensions (mm)	H 207 x W 40 x D 42

** EM Prox - 125KHz (4100, 4102, 4200) and HID Prox - 125KHz (ProxCard II)
† Mifare - 13.56MHz (Mifare 1K/4K, DesFire, DesFire EV1) and IClass - 13.56MHz (iClass 16k/32k)

Technical specifications may be changed from time to time without any prior notice due to continuous enhancements in the product