BioStamp
2R

SPECTRA
RIGHT AHEAD

HARDWARE

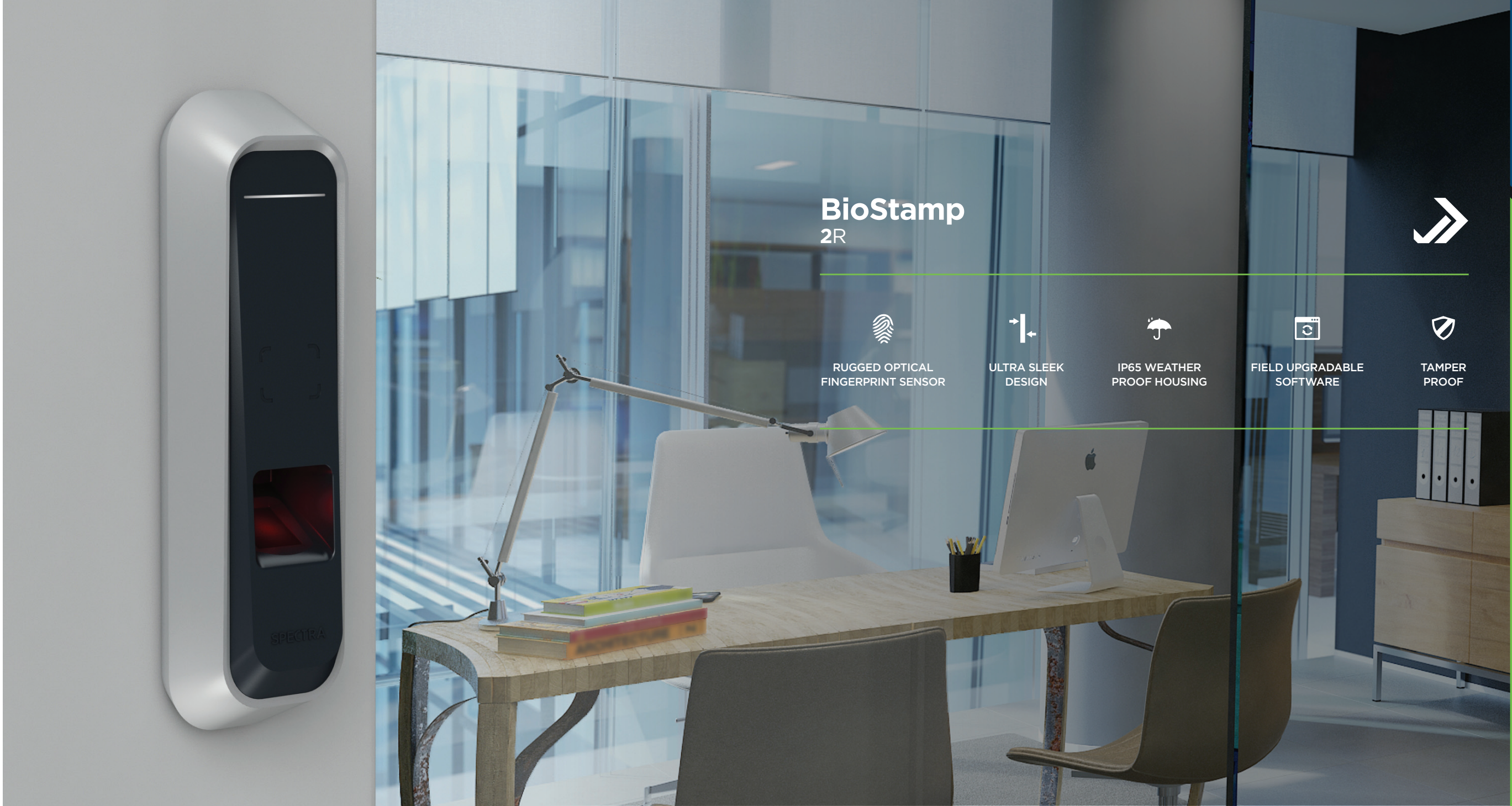|	
Finger Print Module	533 Mhz, 32 bit, Dedicated DSP processor with 256 bit AES Fingerprint data encryption
CPU	8 bit Microcontroller running at 42 MHz
Finger Print Sensor	Most rugged and accurate optical finger print sensor
Resolution	Finger print reader with 500 dpi resolution
EER	<0.1%
Reader Support	Inbuilt proximity reader (optional) Mifare reader/HID Prox/HID iClass) for 1:1 match
Verification Time	1:1 match < 0.7 sec, 1:N match < 0.7 sec for less than 1000 templates
Template Storage	Non volatile memory to store 1900 finger print templates (optional 9000 templates)
Display	Tri colour LED indication to display verification results
Communication	10 Base-T RJ45 ethernet interface (TCP/IP) with status LED indications
Reader Interface	Weigand configurable from 26 bits to 64 bits/Clock Data
Watchdog	Inbuilt watchdog supervisor
Supply Requirement	12VDC / 1A Switch mode supply
Power	Less than 5 watt
Enclosure	IP65 rated weatherproof housing with sleek aesthetics
Weight	290g
Dimensions (mm)	H 207 x W 40 x D 42

SOFTWARE

Registration Mode	Supports fingerprint registration through application software
Two Finger Support	Provision to register two fingers per user, one finger in case used in auto mode
Authentication Mode	Only Finger, Only card, Card + Finger
Reader Interface	Configurable weigand output, connects seamlessly to most access controllers
Buzzer & LED Control	Programmable buzzer & LED Control from controller

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

RIGHT AHEAD

BST-2R-01

BioStamp
2R

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

SMART ▸ SLEEK ▸ POWERFUL

BioStamp
2R

| RUGGED OPTICAL FINGERPRINT SENSOR | ULTRA SLEEK DESIGN | IP65 WEATHER PROOF HOUSING | FIELD UPGRADABLE SOFTWARE | TAMPER PROOF |

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 of the popular 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. Light grey base colour of the product gels well with most of the interiors.

▸ **Effortless Template Management**

With inbuilt TCP/IP interface finger print template can be transferred and managed over Ethernet effortlessly through software. Alternatively it also supports registering the fingers locally on to the device.

▸ **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 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 can be in soft mode e.g. on computer screen or alert on a predefined email or alternatively it can also trigger a remotely located buzzer.