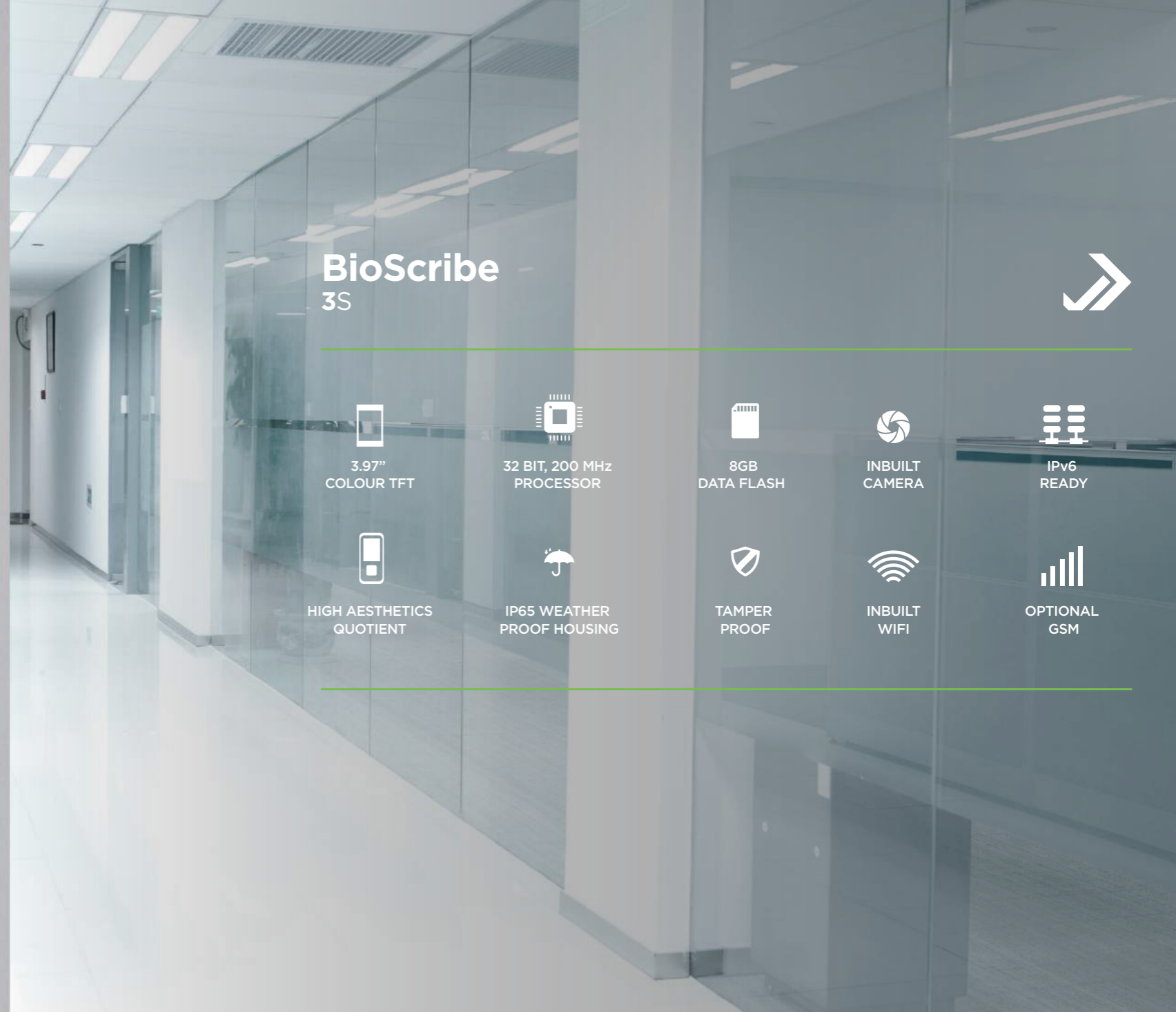




**BioScribe**  
**3S**

Radically advanced and most sophisticated spectra biometric device so far, innovation at its best.

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## BioScribe 3S

3.97"  
COLOUR TFT

32 BIT, 200 MHz  
PROCESSOR

8GB  
DATA FLASH

INBUILT  
CAMERA

IPv6  
READY

HIGH AESTHETICS  
QUOTIENT

IP65 WEATHER  
PROOF HOUSING

TAMPER  
PROOF

INBUILT  
WIFI

OPTIONAL  
GSM

### Key Features

#### ► Biometric Attendance Device

Get distinct advantage of field proven fingerprint authentication technology for recording employee attendance. Large sized appealing TFT display with capacitive touchpad. Option of personalizing the display screen by adding company logo in specified display area.

#### ► IP65 Weatherproof Housing

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

#### ► 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.

#### ► Field Upgradable Software

Facility to onsite update device software through Ethernet interface. The product updates can easily be applied without the need of removing device and sending it back to the service center.

#### ► Data Communication

This device also supports IPv6 protocol making it future ready. Wifi enables the device to hook up with Wifi network for instant data transfer. In addition it supports host of protocols such as FTP, HTTP, NTP, SNMP & SSL.

#### ► Rugged Optical Fingerprint Sensor

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

#### ► Inbuilt Camera

The device has an inbuilt VGA camera to capture the images. It can be configured to capture the image on certain pre-defined events e.g. an invalid attempt to access the restricted area can be captured and used for verification.

#### ► 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.

**HARDWARE**

Finger Print Module	1 GHz, 32 bit, Dedicated DSP processor with 256 bit AES fingerprint data encryption
CPU	32 bit Microcontroller running at 200 MHz
Memory	8GB Data flash, 2MB RAM
Finger Print Sensor	Most rugged and accurate optical finger print sensor
Resolution	Fingerprint scanner with 500dpi resolution
EER	<0.1%
Card Reader Support	Inbult EM reader** (optional Mifare†, HID Prox**, HID iClass† reader) for 1:1 match
Verification Time	1:1 match < 0.4 sec, 1:N match < 0.4 sec for less than 1000 fingerprint templates
Template Storage	25,00,000 fingerprint template storage for 1:1 match ( 25000 Templates for 1:N match )
Database	250,000 user database, support of upto 10 fingerprint templates per user
Transactions	500,000 Time stamped events storage capacity
Authentication Mode	Configurable mode : Only Finger, Only card, Card + Finger, Card or Finger, Pin
RTC	Non volatile real time clock calendar, Data retention for 10 years without external power
Display	3.97" Color TFT, Resolution 480 x 800 pixels
Touchpad	Capacitive touchpad, surface hardness >=6H
Audio	Inbult Speaker, live prompt audio message
Camera	Inbult VGA camera to capture snaps on specific events
Ethernet	10/100 Base-T RJ45 ethernet interface
USB	USB 2.0 compliant Hi-Speed On-The-Go (OTG)
WiFi	Inbult WiFi 802.11 b/g/n, Encryption : WEP Security : WPA/WPA2-Personal
Bluetooth	Mobile access support over bluetooth Smart (v4.2)
GSM	Optional GSM - Quad Band GSM850/900,1800/1900/2100/2400. Supports 4G/3G/2G
Protocols	Supports TCP/IP IPv4 & IPv6, FTP, HTTP, NTP, SNMP & SSL
Reader Interface	Weigand configurable from 26 to 255 bits/Clock Data
Lock Interface	One potential free changeover relay, contact rating 3A/30VDC
Aux Reader Port	One weigand port is available can be used as weigand IN or weigand OUT, configurable
Digital Inputs	Optically isolated one input for exit switch & two general purpose input (GPI)
Digital Outputs	One general purpose output (GPO) TTL level
Door Sensor	Optically isolated input for one door sensor
Tamper Detect	3 axis accelerometer for tamper detection
Watchdog	Inbult watchdog supervisor
Supply Requirement	Regulated 12V DC/1A
Power	3.5 watt max.
Enclosure	IP65 rated weatherproof ABS-PC housing with sleek aesthetics
Operating Temp.	-15 to 55°C
Humidity	RH 5 to 95% Non-Condensing
Weight	350grams
Dimensions (mm)	H 234.65 x W 87.5 x D 40.1

\*\* 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.



**RIGHT AHEAD**

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