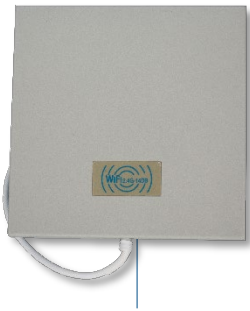**BFt**

Praetorian Guard
IP Video Intercom

Long Range Antenna * (2.4GHz)
(up to 65 yards working range
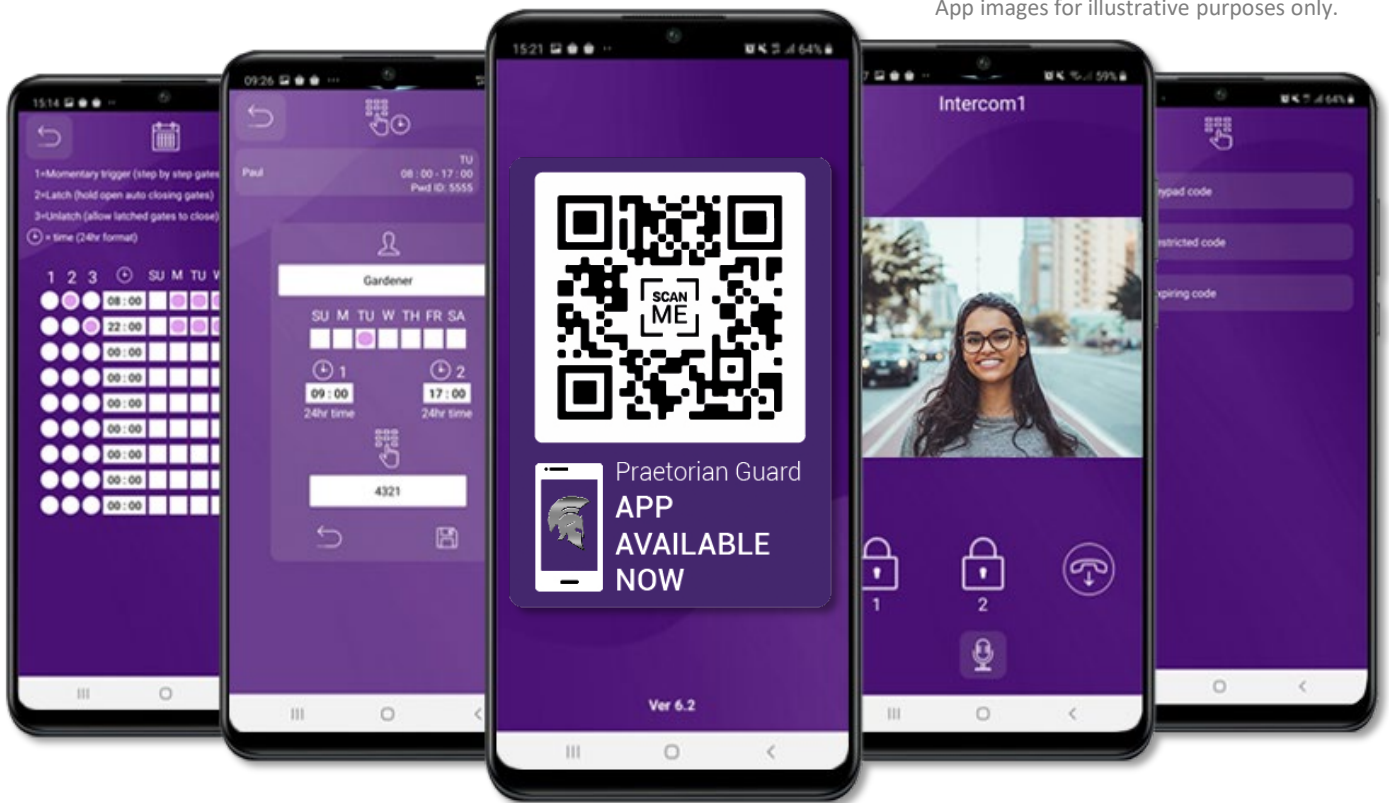depending on router type and
location)

Existing Wi-Fi Hub

New Praetorian APP

- **Speak to your visitors from anywhere in the world.**

- Grant access remotely - Send a command to the gate motor via the app to open your gates etc.

- Keypad Codes – 24-7 / Timed / Temporary (Optional)

- No Touch Access - PROX Cards/ Tags - 24-7 / Timed / Temporary (Optional)

- Voicemail - Visitors can leave a video messages when unanswered.

- Multi-User - Add up to 8 maximum devices per Intercom ID. (incl ADMIN user. 4 maximum for optimal performance.)

- Connect via WiFi, LAN Cable or 4G Access Point (Sold Seprately) (Dualband WIFI. 2.4 & 5.8G wifi (802.11 b/g/n/a/c)

- Coin Cell Battery to retain important system settings while a device is off. E.g. date-stamp.

- Volume of external speaker adjustable at the call-point.

   * 2.4GHz Antenna Incl, 5.8GHz available to purchase separately.

Installer / User App

App images for illustrative purposes only.

Events log for
Keypad codes,
Calls, Voicemails,
Prox ID's.
(past 100)

7-day schedule
for auto relay
opening.

Notifications - Motion
Sensor is Triggered or
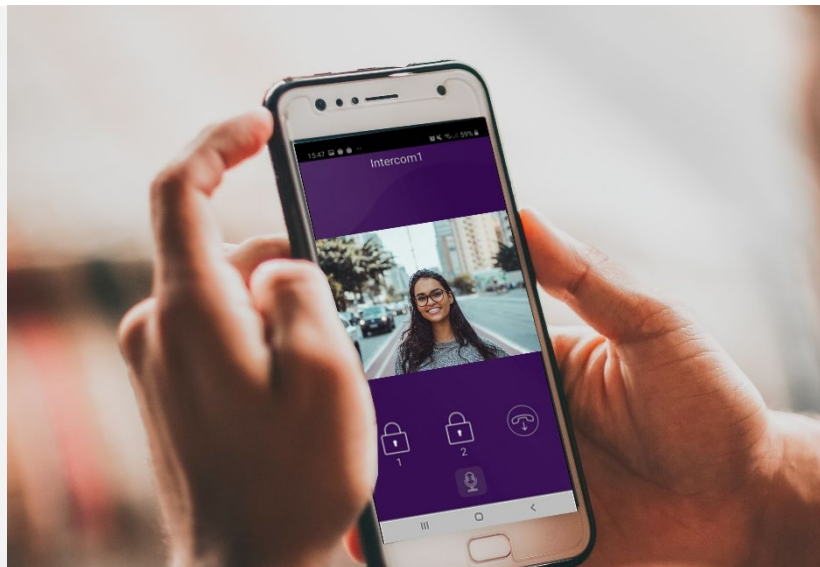Gates opened / closed
via app, keypad or
PROX.

Sync device
time to
device.

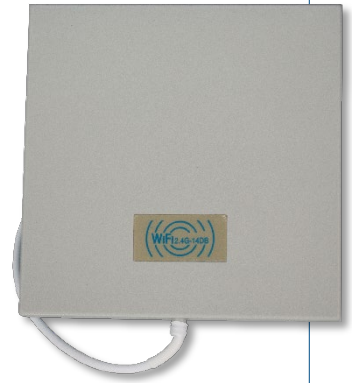Prox & Keypad
codes added via
App.

HD View your camera
in full screen mode.

DOWNLOAD ON THE
App Store

ANDROID APP ON
Google Play

BFt

Security screw access

HD camera with video motion sensor

Colour camera with night vision and IR cut filter

Infra-red night vision illuminators

Waterproof Mylar 1.5W speaker

Illuminated IP67 push button

Optional illuminated keypad

High gain Wi-Fi antenna
60 degree transmission to concentrate & extend range. Weatherproof for outdoor use.

2.4GHz Directional Antenna with 2m RG174 cable with SMA male connector.

GENERAL

Front Panal	**Portrait Orientation** *AB/ABK* = 3mm Acrylic on Architectural Design Marine Grade Stainless Steel BS316 Front Plate. *AS/ASK* = 3mm Marine Grade Stainless Steel BS316 on Architectural Design Marine Grade Stainless Steel BS316 Front Plate. *FS/FSK* = Flush Design Marine Grade Stainless Steel BS316 Front Plate. *IMP/IMPK* = 3mm Acrylic on Imperial Design Marine Grade Stainless Steel BS316 Front Plate. *Modular* = Powder Coated Marine Grade Stainless Steel BS316 Front Plates with 3mm Acrylic on Design Marine Grade, Stainless Steel BS316 Modular Plates. **Landscape Orientation** PED = Pedestal Surface Mount
Hood Cover (MOD, IMP(K), PED versions)	Powder coated Aluminium
Mounting Housing (Backbox)	Marine Grade Stainless Steel BS316
Mounting Type	Surface-Mounted with backlighting, Flush-mounted version sold separately
Call Button	Stainless-steel button with illuminated LED Ring
Weatherproof	IP55
Approvals	CE, FCC
Dimensions	See Overview of Call Points
Operating Temp.	-25 to +55°C / -13 to 131°F
Power Supply	24V DC
Power Consumption	**IP PCB w/Keypad & Prox** Standby = 80mA Operating = 300mA
Solar Power	45Watt Solar Panel (minimum) 2x 12V 15AH Batteries connected in series to provide 24V output
Connectors	LAN (RJ45) 2 x Bistable latching relay, max. 1-28V DC/AC, 1A, e.g. for magnetic door lock External input for push to exit button 24V DC input (+, -)
System Requirements	Mobile device: Newest iOS on iPhone/iPad, newest Android on Smartphone/Tablet Internet: High-Speed Landline Broadband Internet connection, DSL, cable or fibre optic, no socks or proxy server. Min. suggested upload speed of 1.5mbps, Network: Ethernet Network, with DHCP / WIFI 2.4GHz/5.8GHz (with applicable antenna)
Recommended Installation Height	Camera lens should be at a min. height of 145 cm (57 in). Before the installation please determine your optimal installation height.
Warranty	See www.aesglobalonline.com/warranty

THIRD-PARTY INTEGRATIONS

Partners	N/A - Coming Soon
API	N/A - Coming Soon

KEYPAD MODULE

Power Supply	24V DC
Steel Keypad Module	12 Square Silicon Keys Blue illumination Keypad Codes configurable via App, **Slave connection to allow up to an additional 8 slave devices**
Silicon Keypad Module	12 Round Silicon Keys Blue illumination Keypad Codes configurable via App, **Slave connection to allow up to an additional 8 slave devices**

VIDEO

Camera	HD 720p, dynamic (VGA – HD)
Lens	120° (D), 109° (H), 65° (V) IR-capable
Display Resolution	Switchable in the app by the Admin user. HD resolution: 1280*720 SD resolution: 640*480
Video Codec	H264
Night-Vision	Yes, light sensor, automatic IR-cut filter, 5 Infrared LEDs
Storage	On-Board Micro SD Card (16GB included) Max read capacity 32GB Estimated capacity based on 16GB: 5,592 Video Clips (3MB) {AVI.} 33,500 images (0.5MB) {JPG} Supports Hot Swapping. Auto overwrites oldest data at 80% capacity FAT32 Formatting

MOTION SENSOR

Type	Active
Detection Type	Digital (Pixel-based) Changes of pixilation. This is processed by the CPU identifying any major/minor changes in pixels that is defined by a predetermined algorithm.
Range	>5m, depends on environment, distance is fixed

AUDIO

Audio Components	Speaker and microphone, noise reduction and echo cancellation (ANR, AEC)
Audio Streaming	Two-way, full duplex & half-duplex (switchable in-app)
Audio Codec	PCM/ARAW

NETWORK

WiFi	IEEE 802.11a/b/g/n/ac
WiFi Security	WPA / WPA2 / WPA3
Frequency Range	2.4GHz-2.4385GHz; 5.15GHz-5.845GHz
Ethernet	IEEE 802.3
Supported Protocols	HTTP, HTTPS, SSL/TLS, Bonjour, DNS, RTSP, RTP, TCP, UDP, RTCP, ICMP, DHCP, ARP

BFt

PRAE-IP-PED

(Kit includes speech panel, antenna, power supply and install manual)

Pedestal mountable & modern blue illuminated button. Marine grade, brushed stainless steel construction with gloss acrylic trim and powder coated aluminium hood.
PROX panel available PRAE-IP-PED-PX.

PRAE-IP-PED-KP

(Kit includes speech panel, antenna, power supply and install manual)

Pedestal mountable & modern blue illuminated keypad buttons. Keypad includes 3 relays, 1200 codes, with latching & momentary operation & more. Marine grade, brushed stainless steel construction with gloss acrylic trim and powder coated aluminium hood.
PROX panel available PRAE-IP-PED-PX-KP.

European panel Option

PRAE-IP-ABK

(Kit includes speech panel, antenna, power supply and install manual)

Keypad includes 3 relays, 1200 codes, with latching & momentary operation & more. Modern blue back lighting effect. Marine grade, brushed stainless steel construction with gloss acrylic trim.
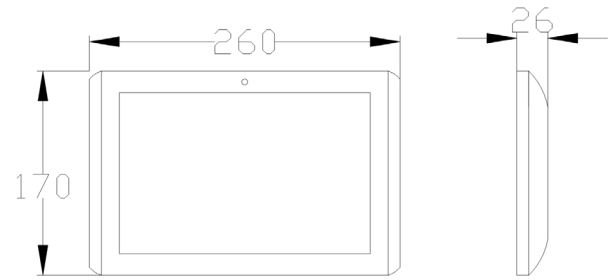PROX panel available PRAE-IP-PX-ABK.

Flush Mount Option

PRAE-IP-FBK

(Kit includes speech panel, antenna, power supply and install manual)

Keypad includes 3 relays, 1200 codes, with latching & momentary operation & more. **Flush** with modern blue lighting (Keypad & buttons).
Marine grade, brushed stainless steel construction with gloss acrylic trim.
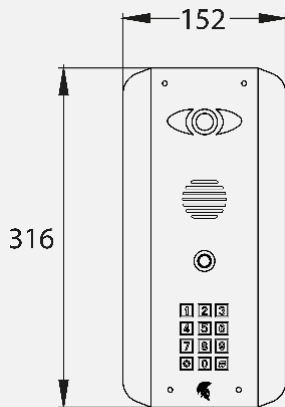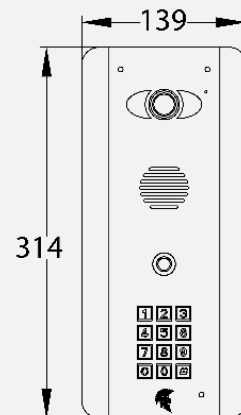PROX panel available PRAE-IP-PX-FBK.

MON-11

- Wall mount touch screen monitor (1280x800 Resolution), compatible with the **Praetorian system**.
- 10.1 inch screen IPS LCD android screen.
- Wifi, Ethernet & Bluetooth connections.
- POE supplied (12V DC can be purchased separately)
- Complete with both wall mount bracket and desk stand.
- Android OS (8.1) with Praetorian app pre-loaded.
- RK3288, Quad-core cortex A17, 1.6G.
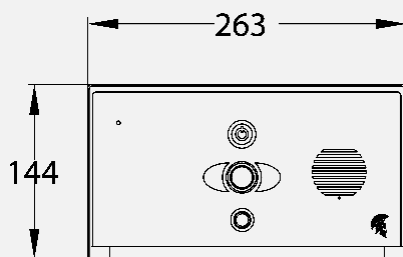
Call Panel Dimensions

PRAE-IP-ABK Call Panel

PRAE-IP-FBK Call Panel (Flush)

PRAE-IP-PED

PRAE-IP-KP-PED