

# Praetorian Guard

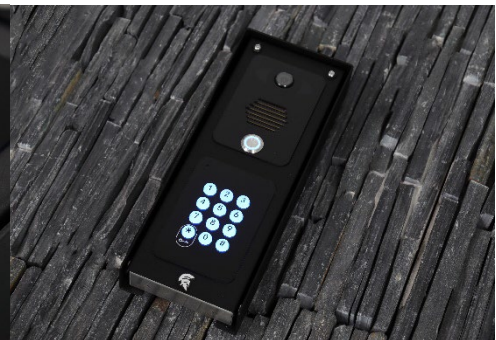
## IP Video Intercom



Long Range Antenna \* (2.4GHz)  
(up to 60m working range depending on  
router type and location)!

Existing Wi-Fi Hub

New Praetorian APP



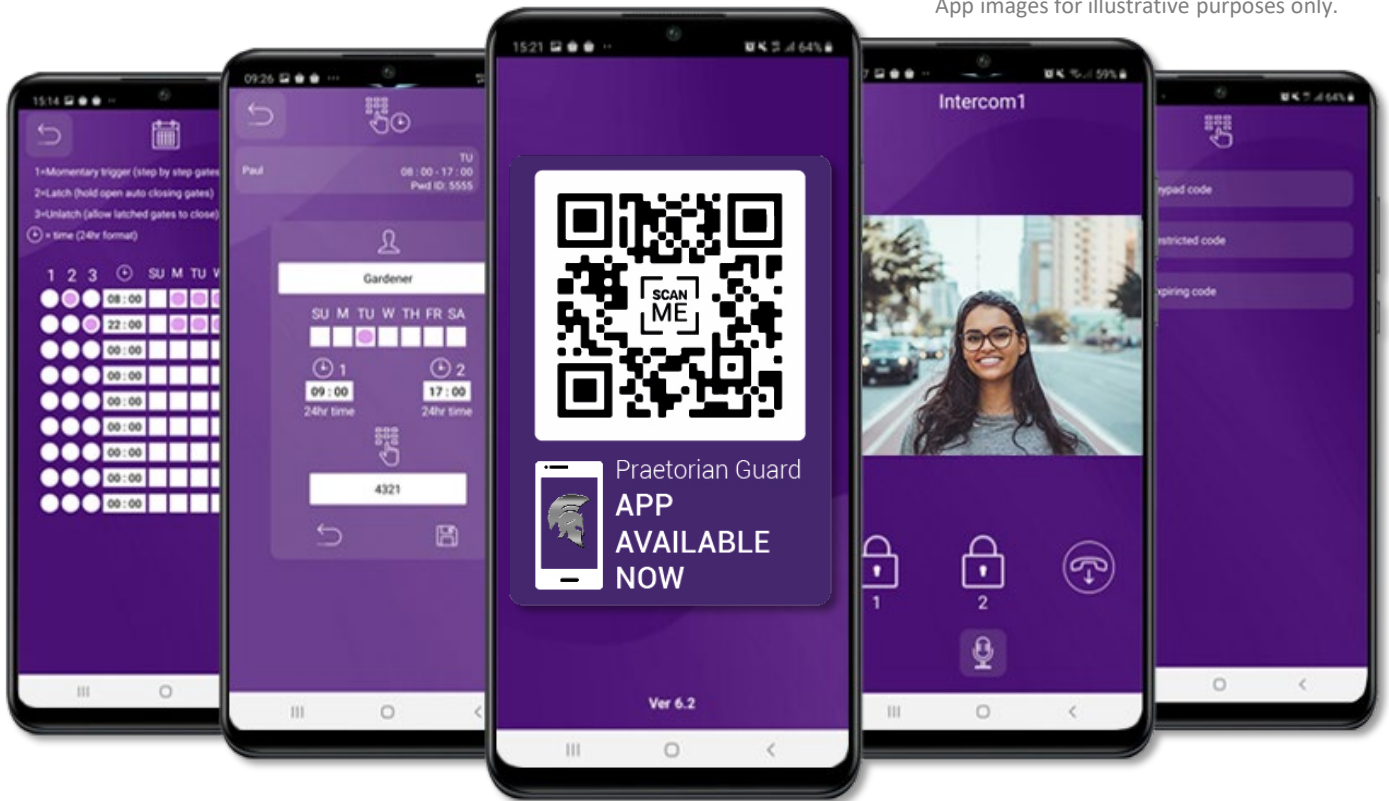
- **Speak to your visitors from anywhere in the world.**
- Grant access remotely - Send a command to the gate motor via the app to open your gates etc.
- Keypad Codes – 24-7 / Timed / Temporary (Optional)
- No Touch Access - PROX Cards/ Tags - 24-7 / Timed / Temporary (Optional)
- Voicemail - Visitors 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 Separately) (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.

**NEW APP**

## 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.



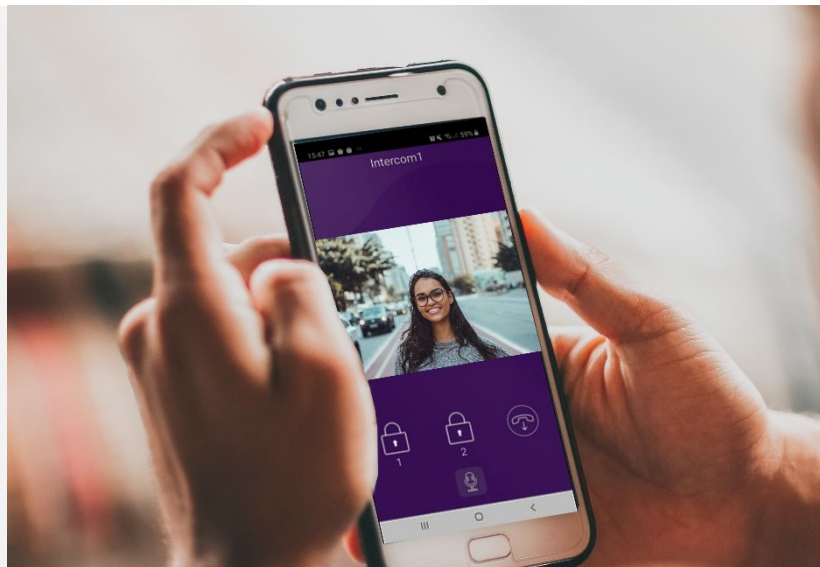
Sync device time to device.



Prox & Keypad codes added via App.



View your camera in full screen mode.





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 Panel	<p><b>Portrait Orientation</b>  <b>AB/ABK</b> = 3mm Acrylic on Architectural Design Marine Grade Stainless Steel BS316 Front Plate.  <b>AS/ASK</b> = 3mm Marine Grade Stainless Steel BS316 on Architectural Design Marine Grade Stainless Steel BS316 Front Plate.  <b>FS/FSK</b> = Flush Design Marine Grade Stainless Steel BS316 Front Plate.  <b>IMP/IMPk</b> = 3mm Acrylic on Imperial Design Marine Grade Stainless Steel BS316 Front Plate.  <b>Modular</b> = Powder Coated Marine Grade Stainless Steel BS316 Front Plates with 3mm Acrylic on Design Marine Grade, Stainless Steel BS316 Modular Plates.  <b>Landscape Orientation</b>                      PED = Pedestal Surface Mount</p>
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	<p><b>IP PCB w/Keypad &amp; Prox</b>                      Standby = 80mA                      Operating = 300mA</p>
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	<p>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)</p>
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 <a href="http://www.aesglobalonline.com/warranty">www.aesglobalonline.com/warranty</a>

## 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, <b>Slave connection to allow up to an additional 8 slave devices</b>
Silicon Keypad Module	12 Round Silicon Keys Blue illumination Keypad Codes configurable via App, <b>Slave connection to allow up to an additional 8 slave devices</b>

## 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 pixelation. 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