

AJAX

Ajax is a professional wireless security system

About company

The year of
foundation

2011

Production and
Development

Ukraine, Kyiv

Intellectual
Property

5 patents

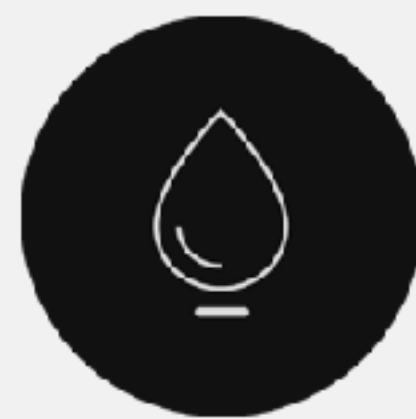




Deters burglars



Recognizes fire



Detects flooding

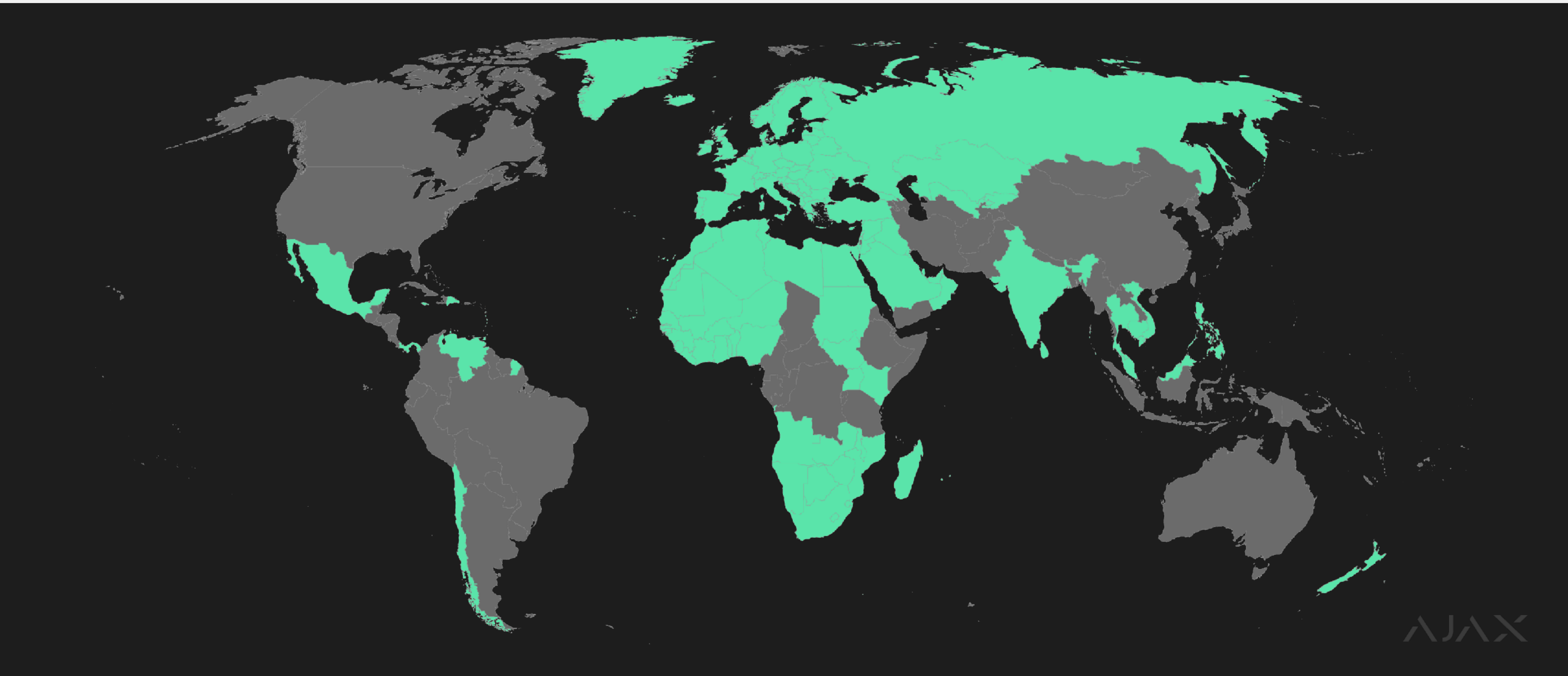


Controls appliances



Streams security cameras

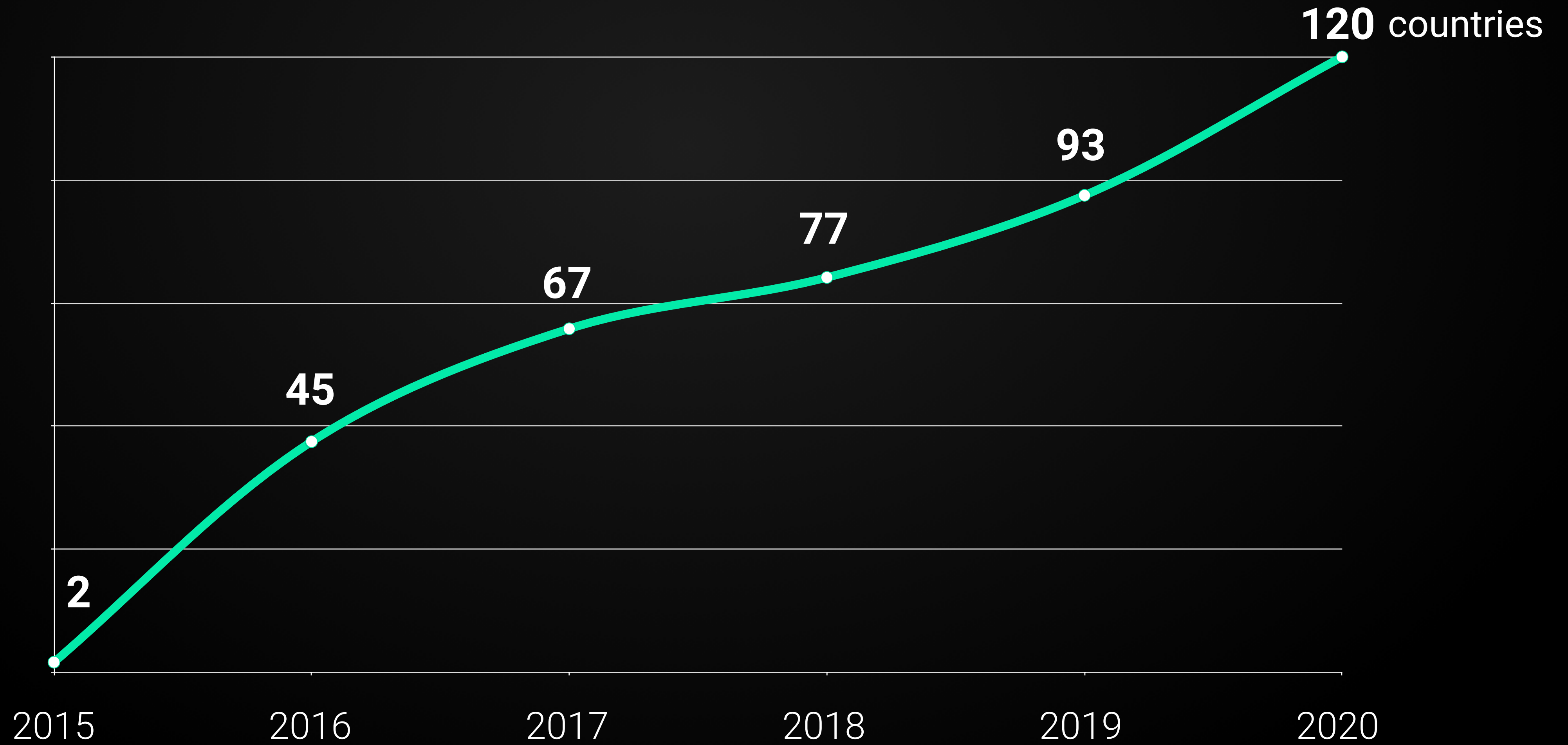
Ajax is trusted by security professionals in **120** countries



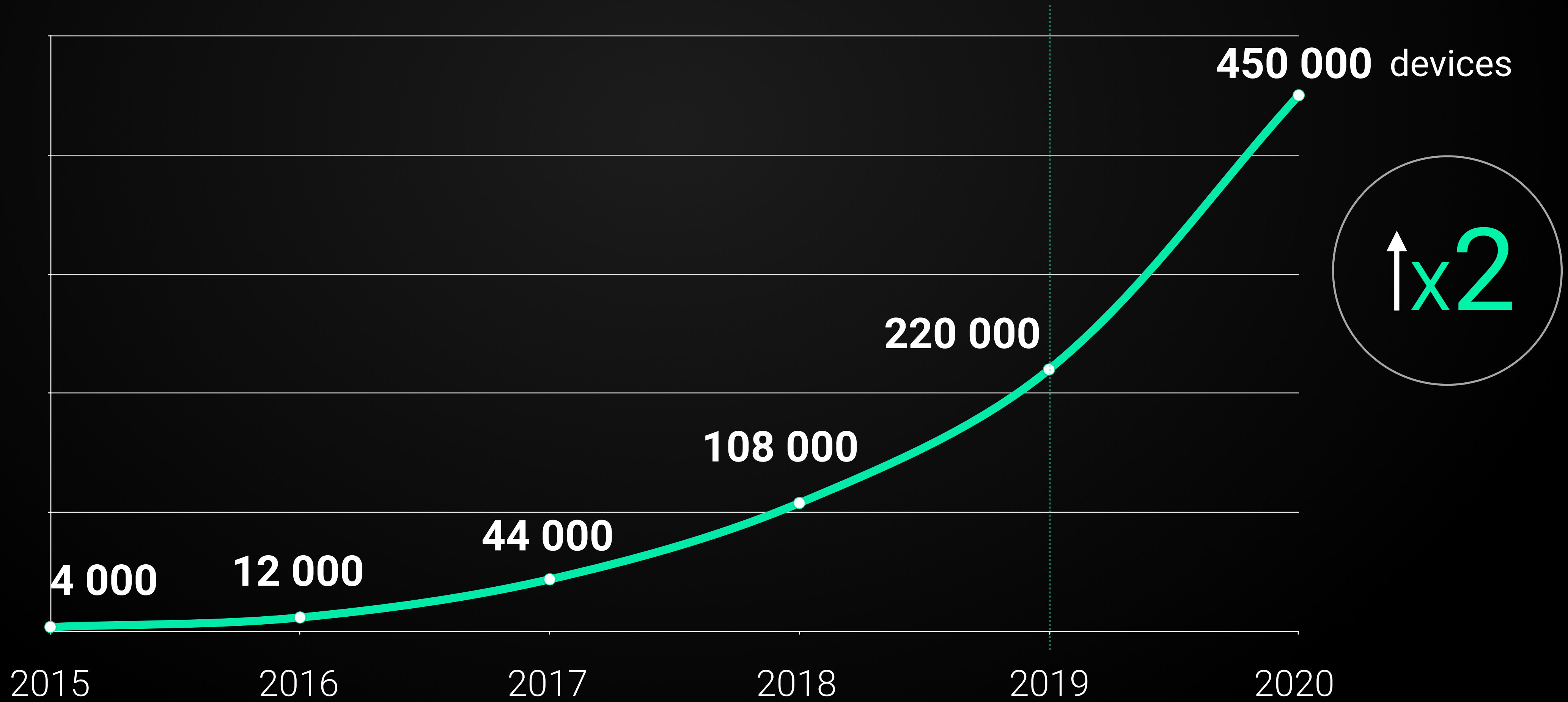


From startup to the global business

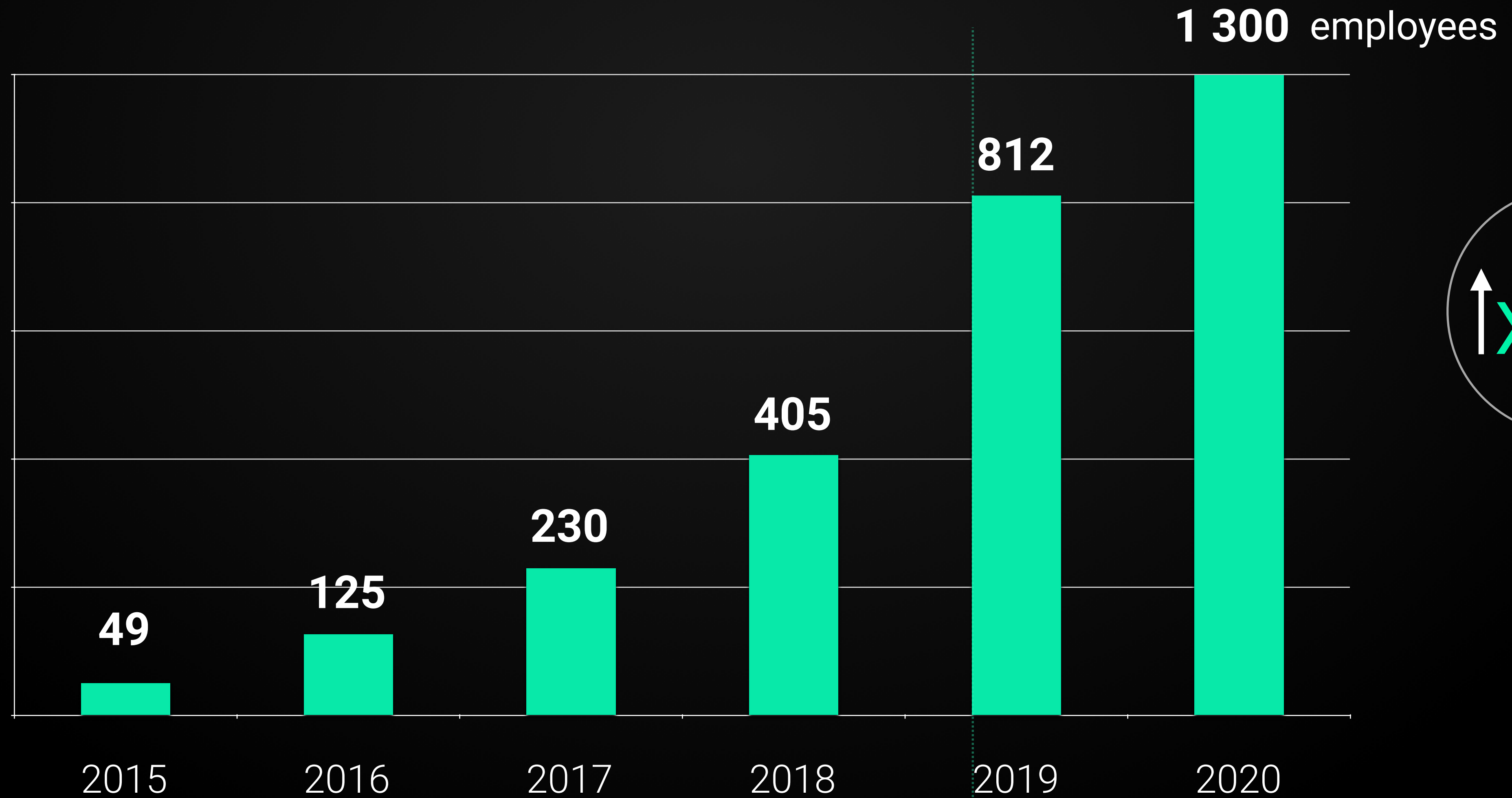
Distribution Geography Growth



Monthly Output



Staff Growth



The 3rd place
among 30 the
most powerful
Ukrainian startups

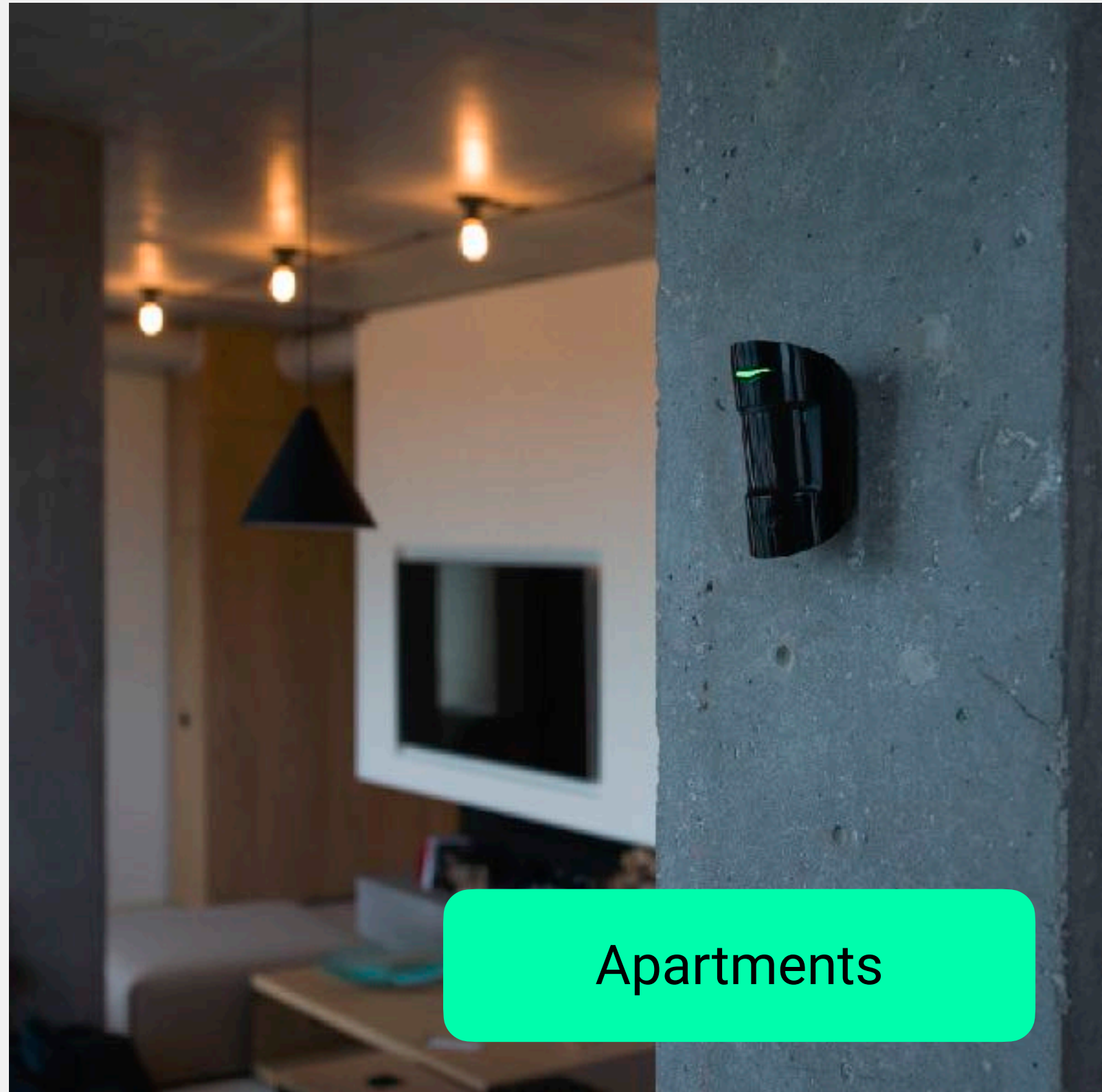
According to forbes.ua, 2021

Forbes

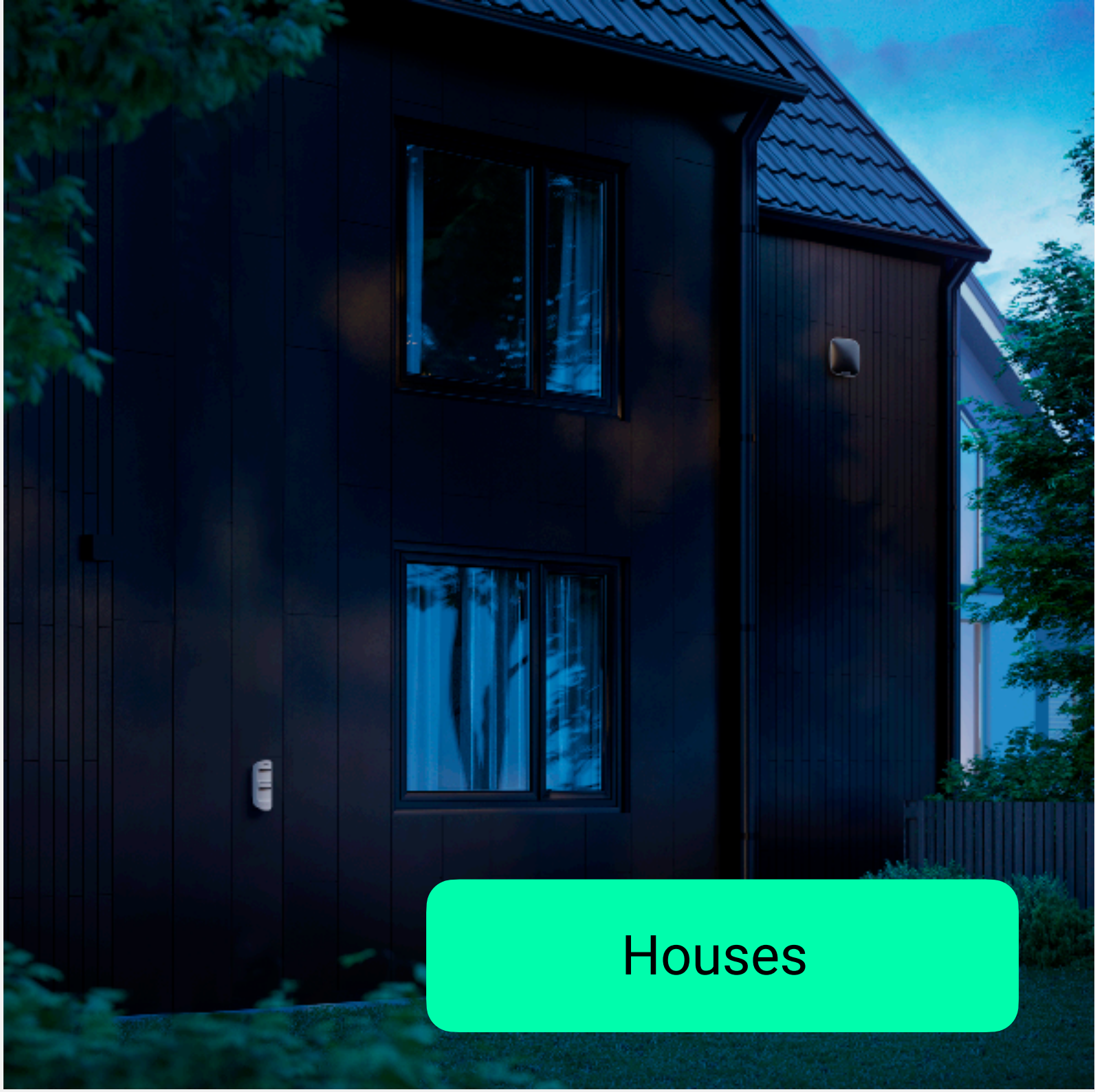




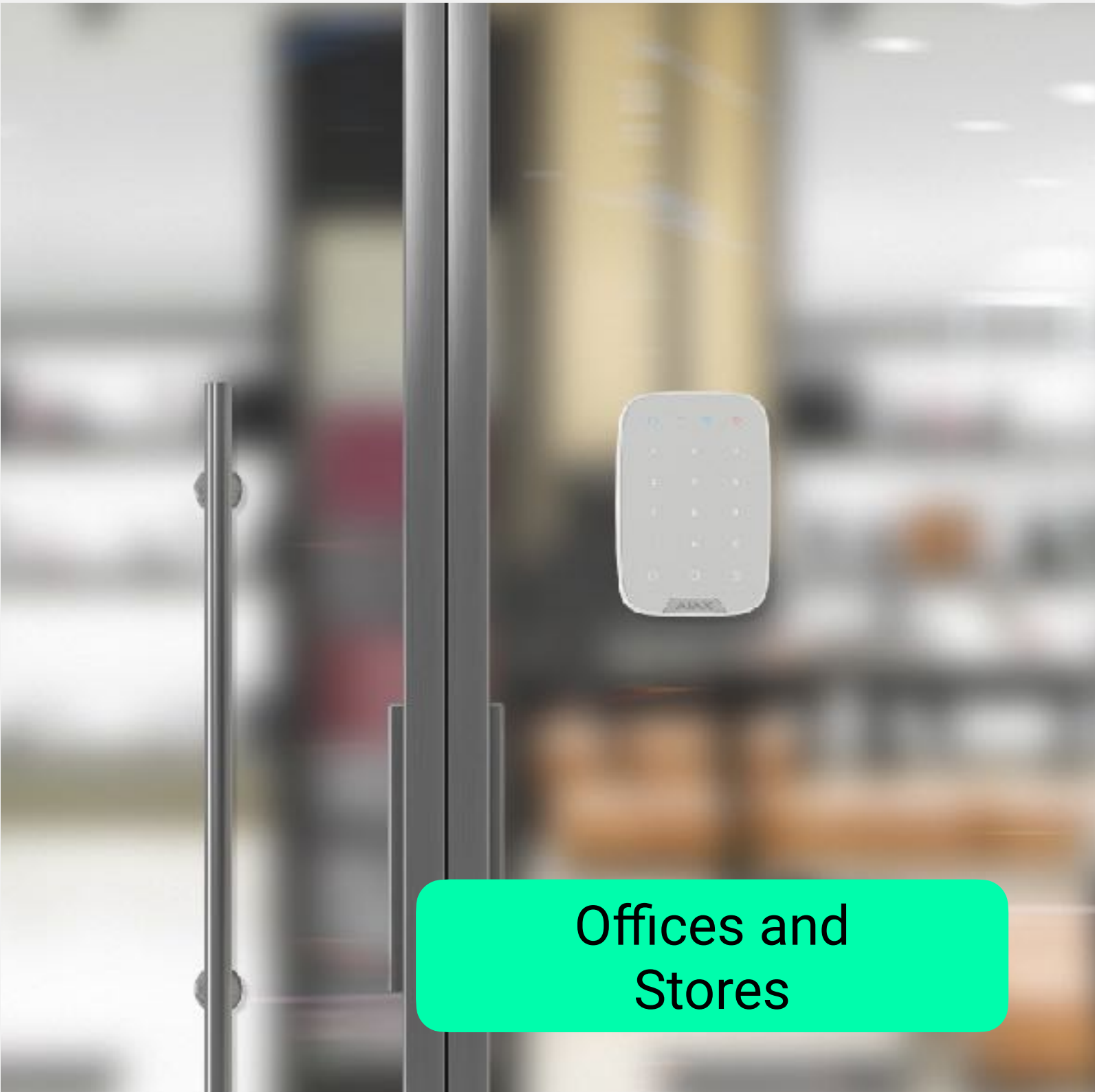
Sites protected by Ajax



Apartments



Houses



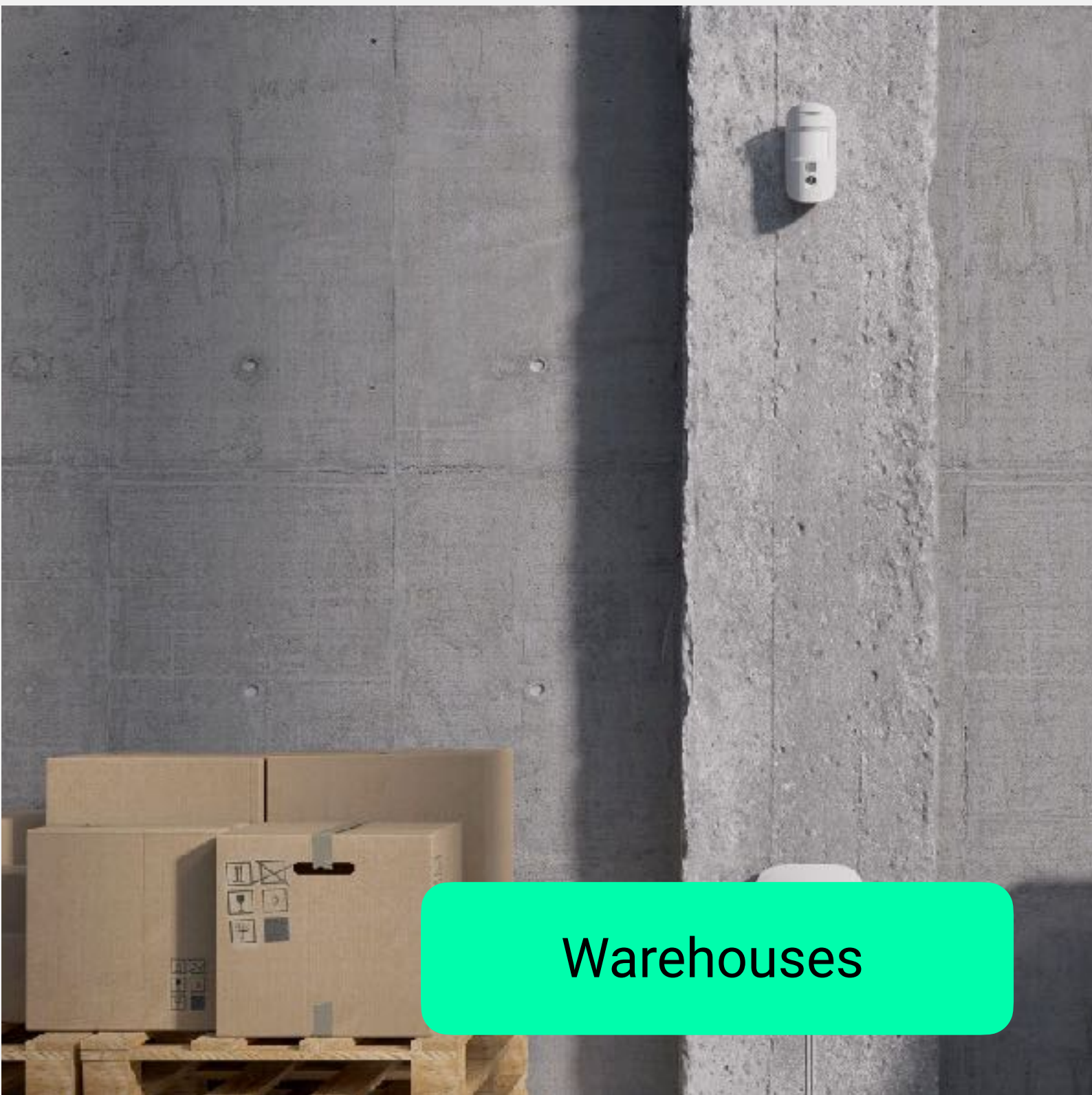
Offices and Stores

900,000

end-customers and industry professionals use Ajax products



Industrial enterprises



Warehouses



Yachts & houses on wheels

900,000

end-customers and industry professionals use Ajax products



Ajax System Reliability



Blackout

All detectors operate on batteries. In the case of a blackout, the hub reports a power failure and continues to operate up to 16 hours using the backup battery



Radio Channel Jamming

System notifies ARC and users and switches the frequency



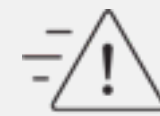
Hacking Attempts

Ajax encrypts all transmitted data using block cipher with a dynamic key and authenticates devices during each interaction



Internet Issues

If Ethernet or Wi-Fi fails, the hub uses GSM/UMTS channels to remain online



Server Connection loss

Ajax Cloud detects when hub goes offline within 1 minute and notifies ARC and users



Tampering

An alarm is triggered if someone dismounts the device



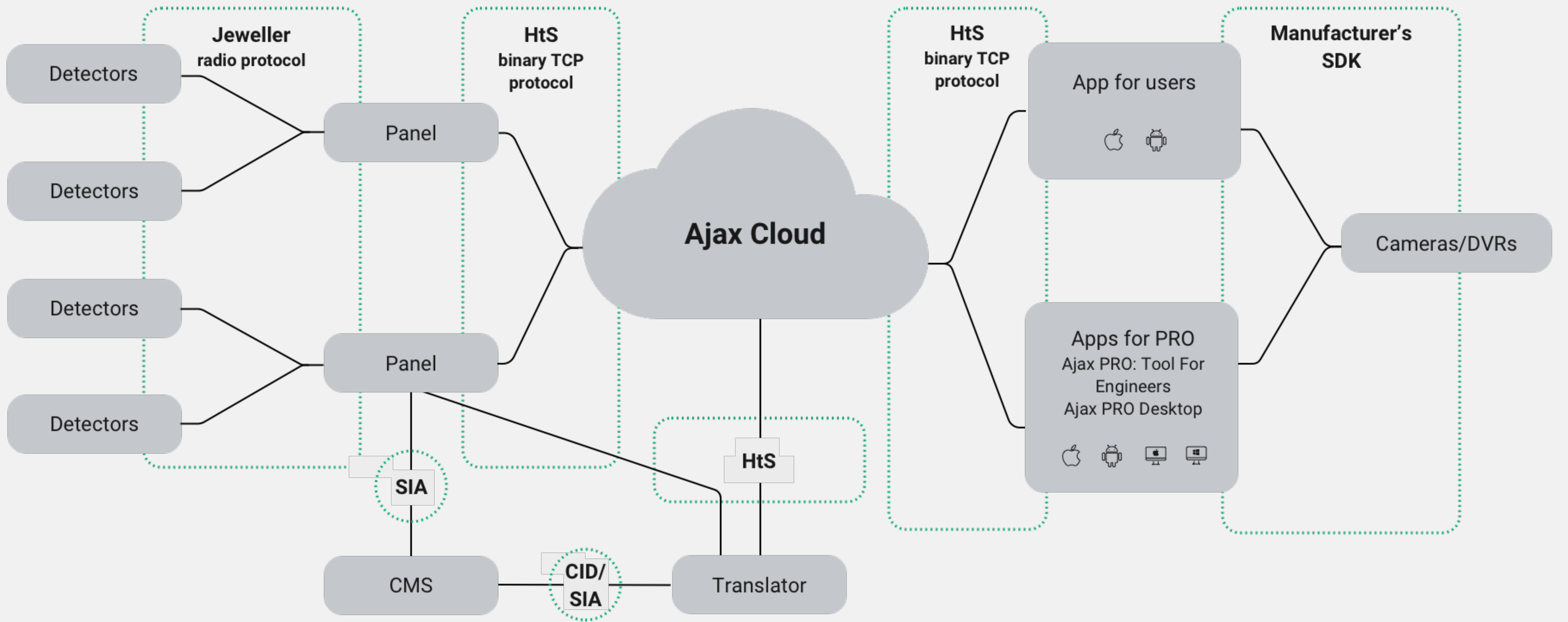
Detector Failure

Hub controls each device and sends an immediate alert in case of failure within 36 seconds

No worries about Sabotage



Ajax System Architecture



Data transmission from the detector to the user and CMS is based on proprietary technologies, and securely encrypted to ensure the speed and reliability of the entire system



Ajax Cloud



Ajax Cloud

Cloud service with advanced load balancing for round-the-clock monitoring of the system from any location worldwide



Monitors hub performance at least once every 10 seconds



Allows users to configure and manage Ajax from anywhere in the world



Delivers the status of system devices in real time



Uses three independent data centers, which guarantees constant access to the system



Sends notifications to end-users and CMS



Keeps system configuration anonymous and encrypted



Proprietary HtS Protocol

HtS protocol

Hub-to-Server communication binary TCP protocol



«Hub - Ajax Cloud» communication



«Translator - Ajax Cloud» communication



«Ajax Apps - Ajax Cloud» communication



«Translator - hub» communication

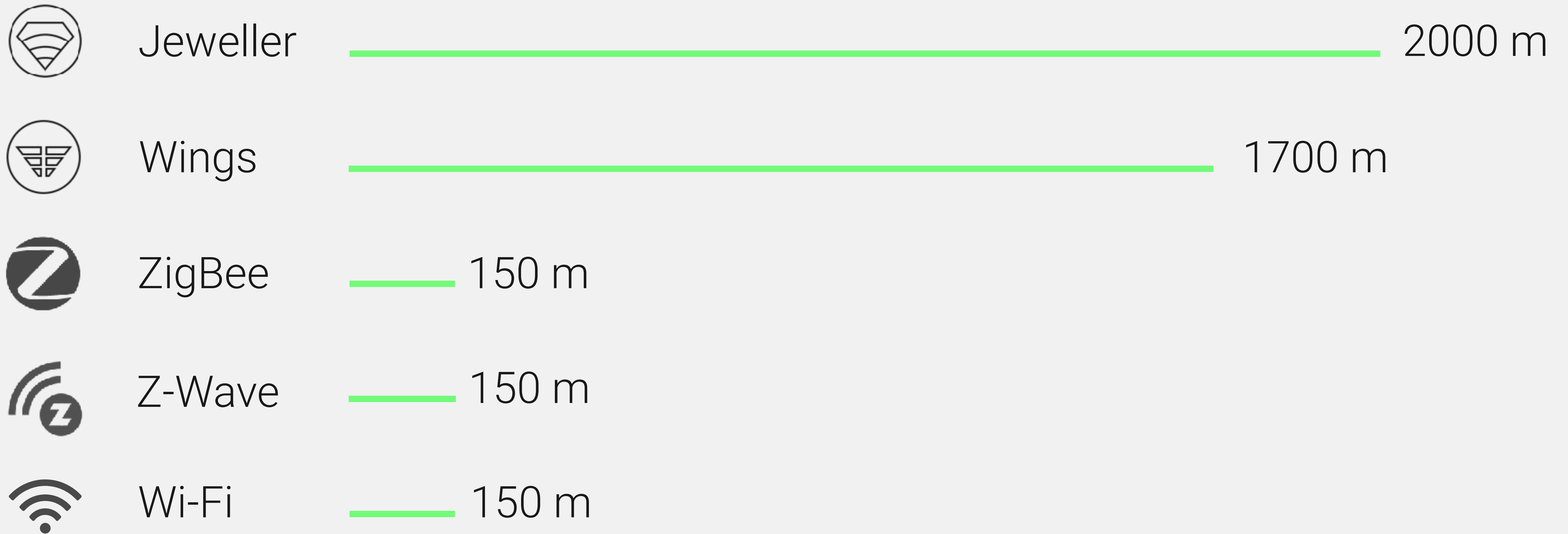
*Ajax Translator - is an app to establish communication between Ajax and CMS software.

Protects data at every step with a floating key encryption algorithm



Unique Communication Technologies

Our radio technology replaces archaic wires





Jeweller

Two-way radio technology transferring alarms and events within the system



Connects devices up to 2,000 meters away



Encrypts data with a modified AES algorithm



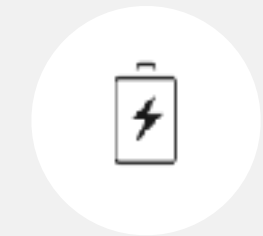
Transmits alarms from detectors to the hub within 0.15 s



Detects radio jamming and interference



Provides adjustable device ping interval




Saves detector battery life. Devices can operate for up to 7 years without a battery replacement


Patented in the USA


Wings


High-speed radio technology transferring pictures from motion detectors with a camera


 Transmits the animated image series

 Uses the built-in algorithms of package checking and re-uploading

 Delivers the images in under 9 sec

 Guarantees data delivery

 Communicates via additional antenna

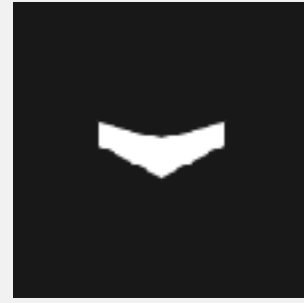
 Up to 200 detectors with a photo camera can be managed with one control panel

Based on Jeweller technology

AJAX



Proprietary Malevich Operating System



OS Malevich

Secure real-time operating system for stable operation of Ajax



Protects against viruses and bot attacks



Over-the-air updates regularly provide new features



Verifies device operation status and reports to the system owner



Ensures the system does not get overloaded

The system gets new features several times a year via over-the-air software updates. The process doesn't involve engineers or users and takes minutes to implement – only when the security system is disarmed.



Product Line

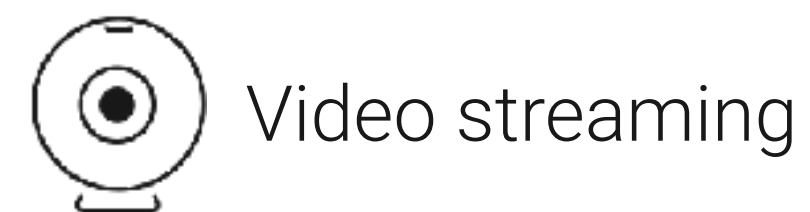
Product Line



Intelligent Security Control Panels



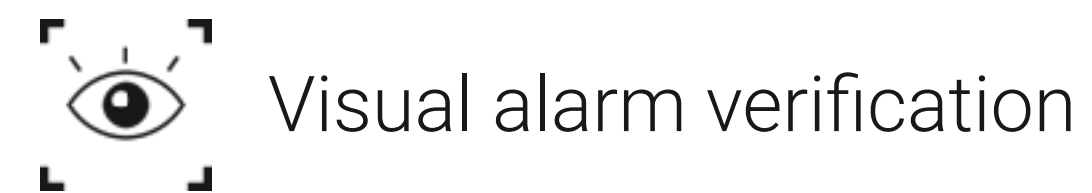
Hub



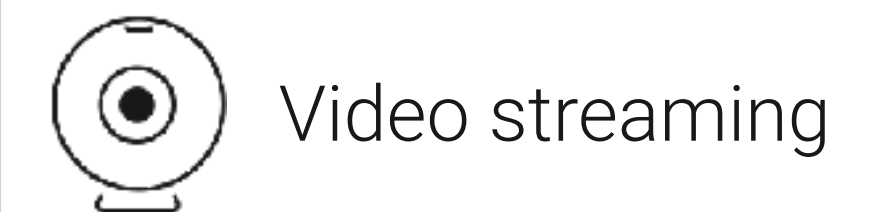
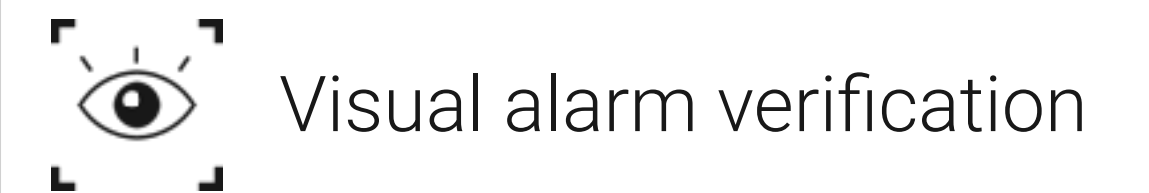
Hub Plus



Hub 2



Hub 2 Plus



Intelligent Security Control Panels

	Hub	Hub Plus	Hub 2	Hub 2 Plus
Devices	100	150	100	200
Cameras & DVRs	10	50	25	100
Range extenders	1	5	5	5
Users	50	99	50	200
Security groups	9	25	9	25
Scenarios	5	64	32	64



Indoor Detectors



MotionProtect

Wireless pet immune motion detector



MotionProtect Plus

Wireless pet immune motion detector with additional microwave sensor



CombiProtect

Wireless motion and glass break detector with pet immunity



MotionCam

Wireless motion detector with visual alarm verification and pet immunity



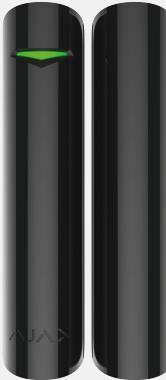
MotionProtect Curtain

Wireless indoor curtain motion detector



DoorProtect

Wireless magnetic opening detector



DoorProtect Plus

Wireless magnetic opening detector with shock and tilt sensor



GlassProtect

Wireless glass break detector

Outdoor Detectors



MotionProtect Outdoor

Wireless outdoor motion detector with anti-masking and pet immunity



MotionCam Outdoor

Wireless outdoor motion detector with visual alarm verification, anti-masking, and pet immunity



DualCurtain Outdoor

Wireless outdoor dual-side curtain-type motion detector with anti-masking and pet immunity

Sirens



StreetSiren

Wireless street siren



HomeSiren

Wireless indoor siren



StreetSiren DoubleDeck

Wireless outdoor siren with a clip lock for a branded faceplate

Fire Detection



FireProtect

Wireless smoke and heat detector with sounder



FireProtect Plus

Wireless smoke, heat and carbon monoxide detector with sounder

Flood Protection



LeaksProtect

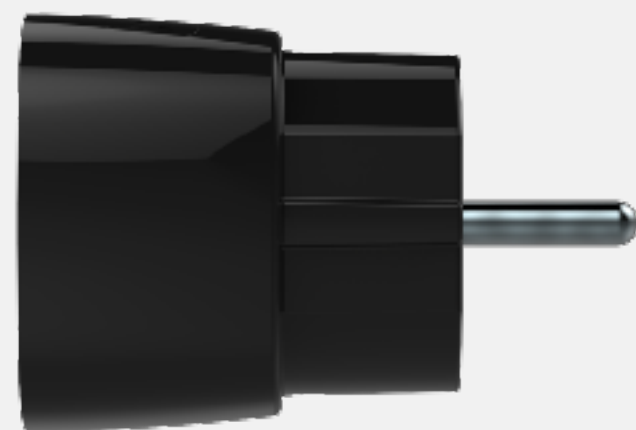
Wireless flood detector

Automation



Socket

Wireless smart plug
with energy monitor



Relay

Wireless low-current dry
contact relay



WallSwitch

Wireless power relay
with energy monitor



Controls and panic buttons



KeyPad

Wireless touch keypad



KeyPad Plus

Wireless touch keypad supporting encrypted contactless cards and key fobs



Pass

for KeyPad Plus



Tag

for KeyPad Plus



SpaceControl

Security system key fob with panic button



Button

Wireless panic button / remote control for smart home



DoubleButton

Wireless hold-up device with advanced protection against accidental presses

Integration Modules



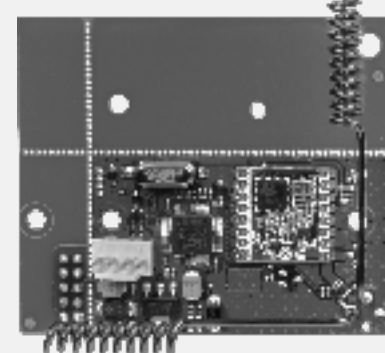
MultiTransmitter

Module for integrating wired third-party devices into Ajax



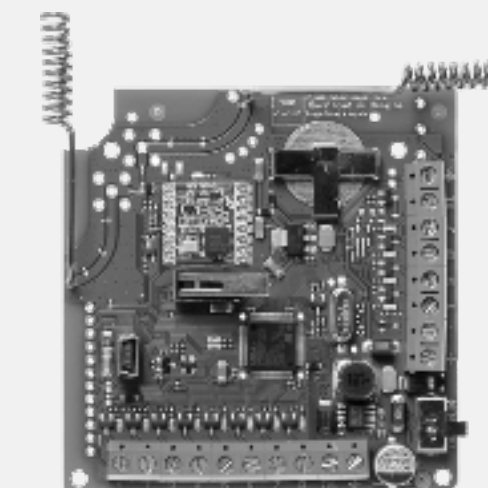
Transmitter

Module for integrating a wired third-party device into Ajax



uartBridge

Module for Ajax devices integration with third-party wireless security and smart home systems



ocBridge Plus

Module for Ajax devices integration with third-party wired and hybrid security systems

Power Supply Units



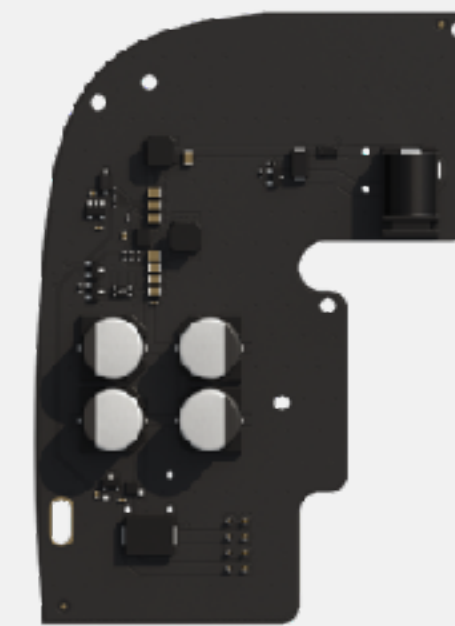
12V PSU for Hub/ Hub Plus/ReX

12 V Power Supply Unit for
Hub/Hub Plus/ReX



12V PSU for Hub 2

12 V Power Supply Unit for
Hub 2



6V PSU for Hub2/ Hub 2 Plus

6 V Power Supply Unit for
Hub 2/Hub 2 Plus



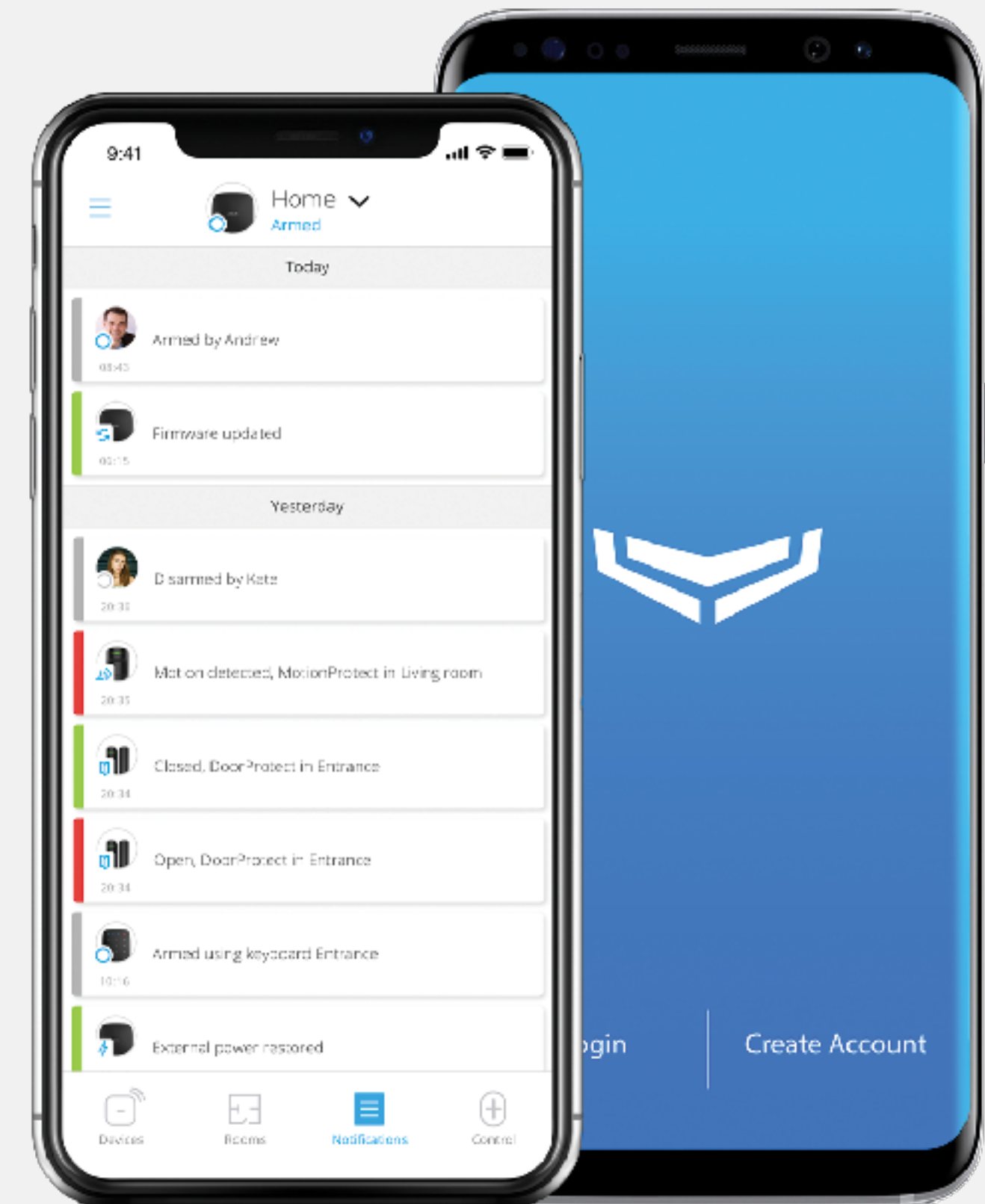
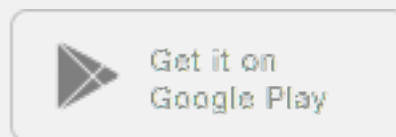
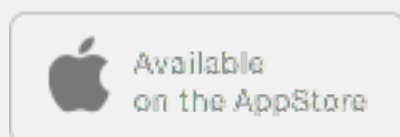
Ajax Apps



App for End Users

Designed to help users to stay
in touch with their property from anywhere in the world

- Arm/disarm the system
- Get instant notifications
- Follow the events feed
- Get detailed device status
- Test devices
- Create scenarios
- Use virtual panic button
- Watch security cameras
- Keep account protected with 2FA



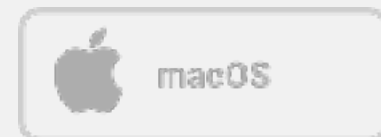
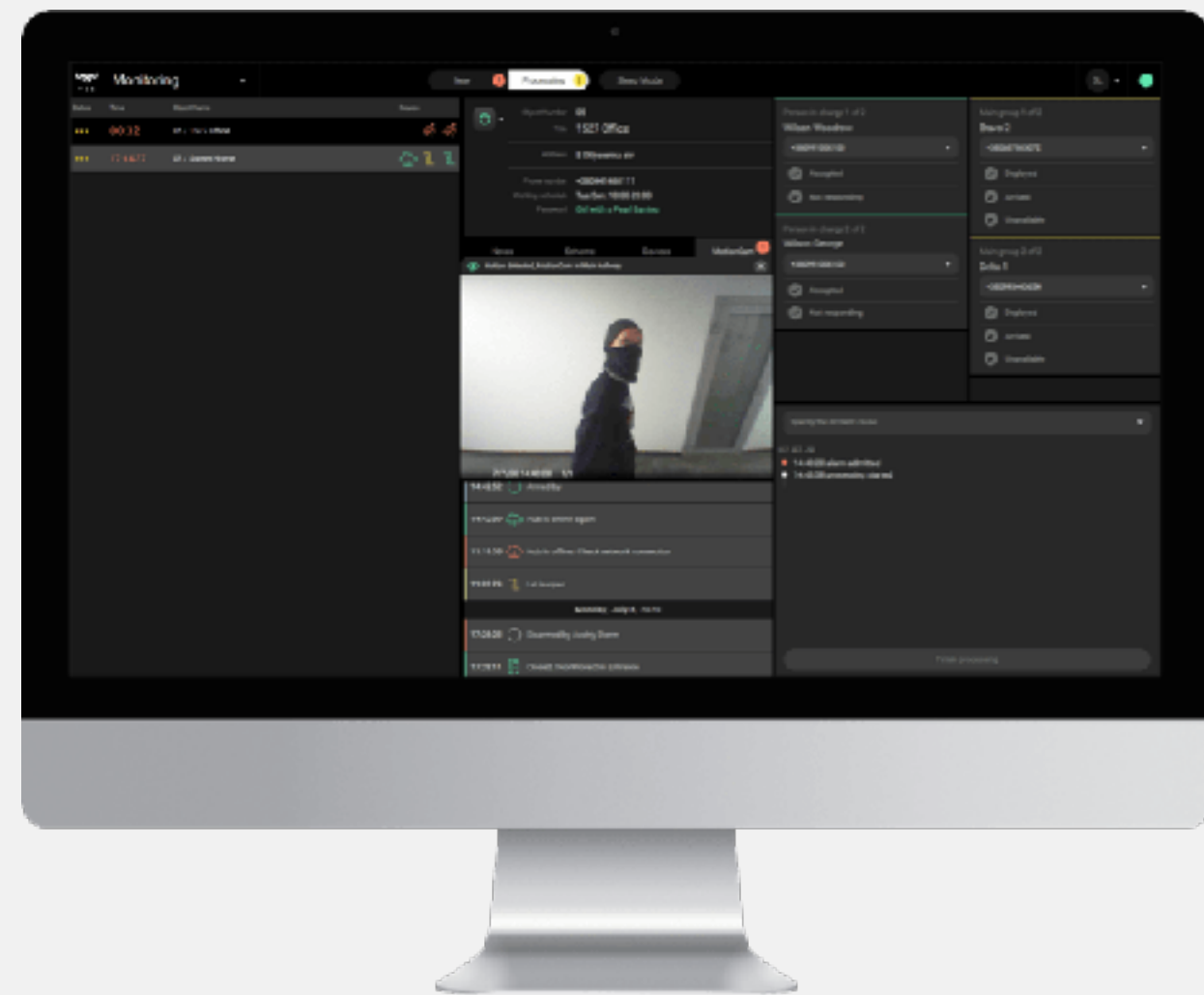
Ajax Security System



Apps for PROs

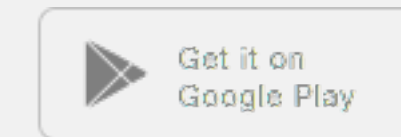
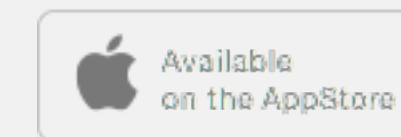
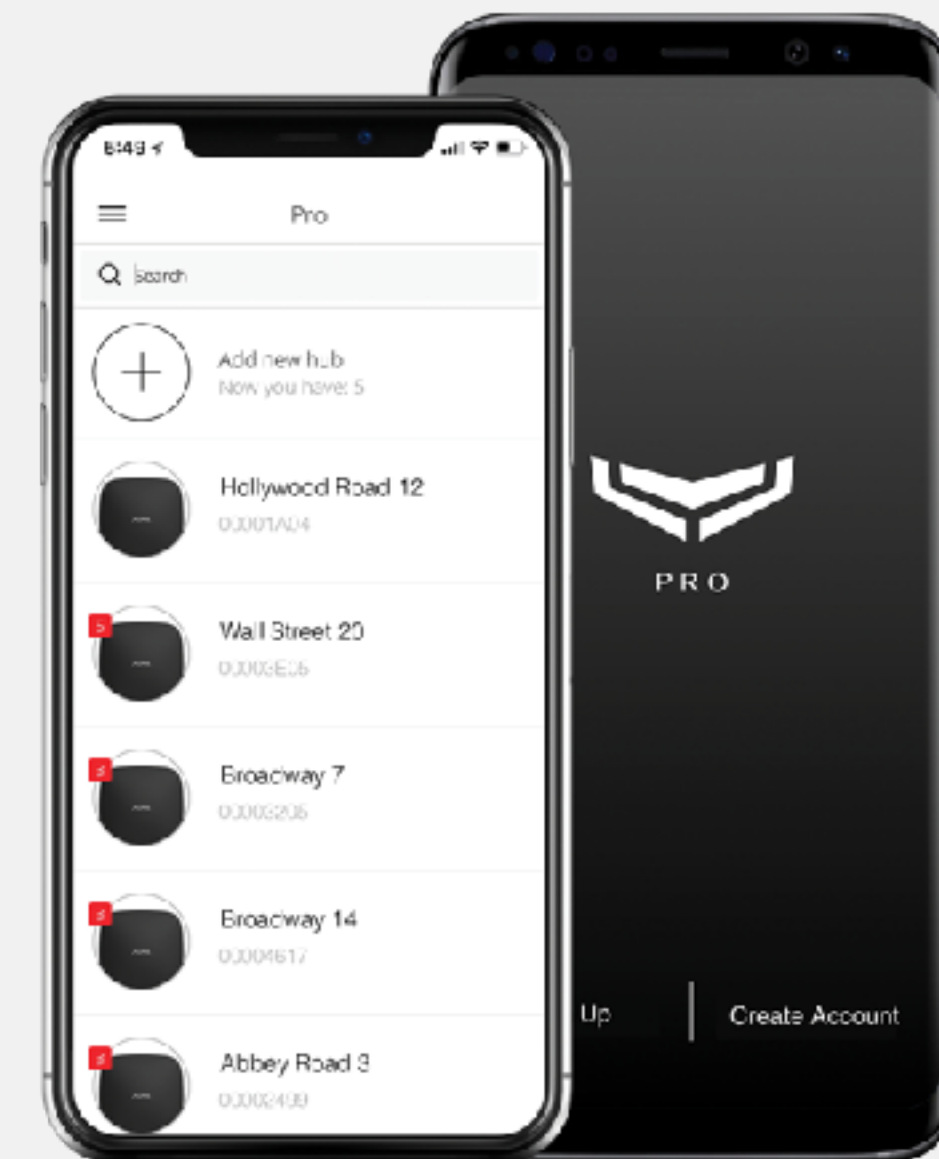
Ajax PRO Desktop

App for administration and monitoring alarms of Ajax security systems



Ajax PRO: Tool for Engineers

A free mobile application for installers and security engineers





Ajax PRO Desktop

A full-fledged central monitoring station in one computer

Centralized management

Monitor operation of thousands of protected facilities on large screens.

Instant alarm response

Find out about the incidents on site with push notifications. Check the address, the cause of an alarm, and the location of a triggered detector or a panic button in the event summary.

Remote configuration

Change settings of client hubs, test detectors, and arm or disarm facilities without leaving your office.

History of events

View the events on site and filter them by type: alarms, malfunctions, arming/disarming, or operation of smart sockets and relays.

Privacy

Protect your account with two-factor authentication and set a password to enter the app. Track logins and manage account sessions on other devices.

Customer cards

Create property profiles with addresses and contacts of the owners.

Flexible access

Provide your employees with temporary access to the hub settings.

Quick search

Look for protected facilities by name or hub ID.



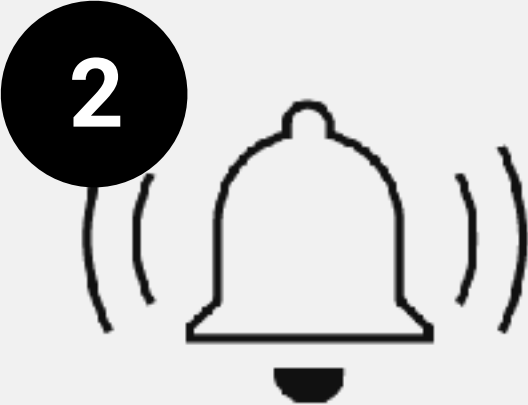
Visual Alarm Verification

MotionCam and MotionCam Outdoor - motion detectors with a photo camera to verify alarms

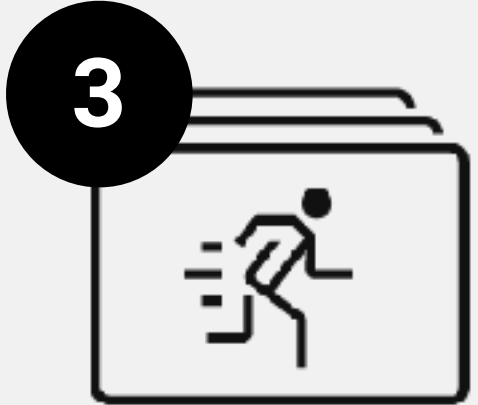
Photo capture only when alarmed



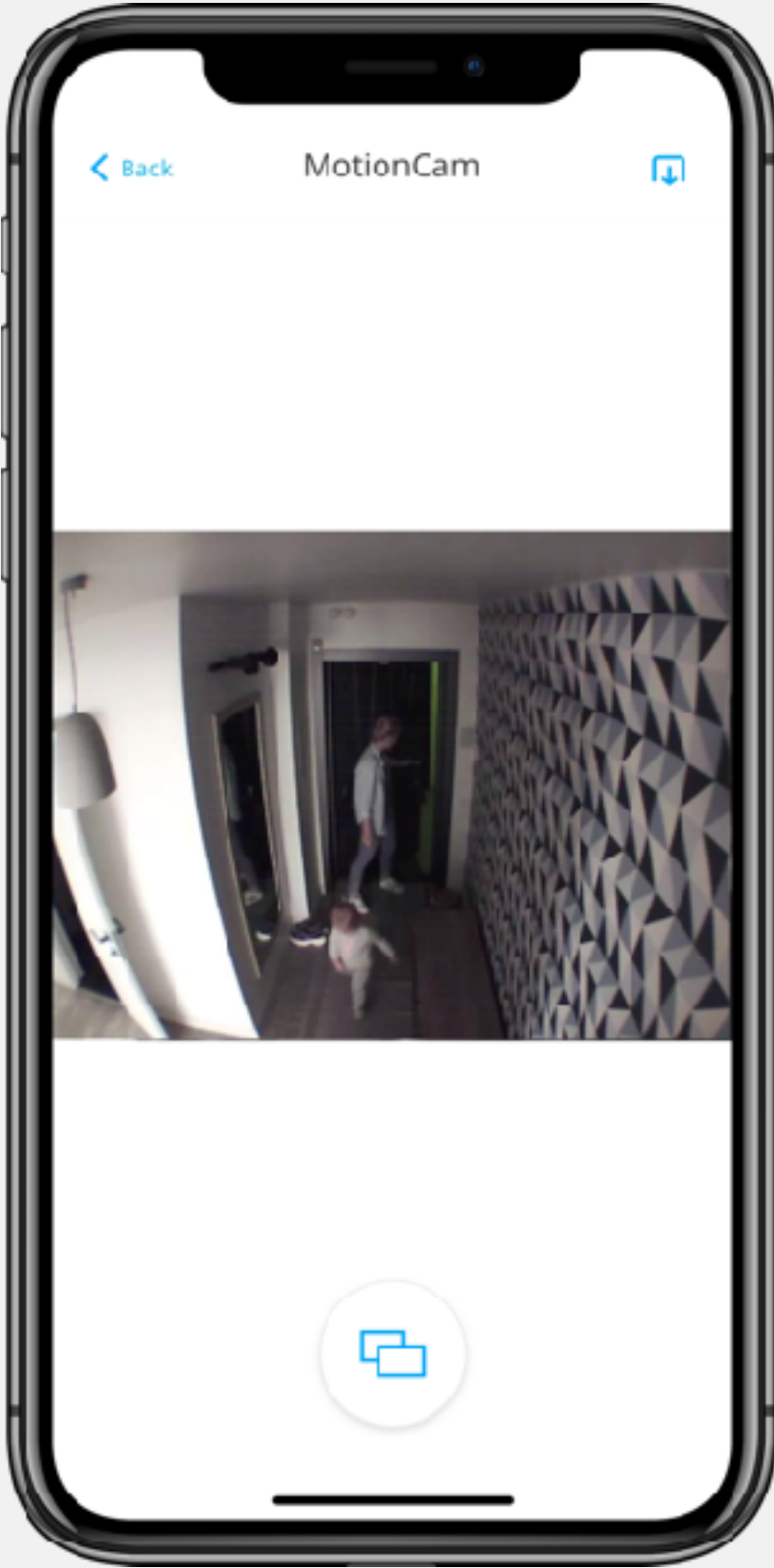
Motion detected



Alarm raised



Situation captured



Operates only with Hub 2 and Hub 2 Plus



Video Surveillance

The security system and video surveillance in one app

- Dahua, Hikvision, Safire, Uniview, Ezviz integration
- Connect up to 100 cameras and DVRs
- Support for RTSP



Cameras connect to the system in a few clicks

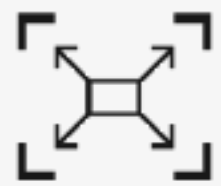
The security system and video surveillance in one app



Streaming video and sound



Saving snapshots



Zooming video in

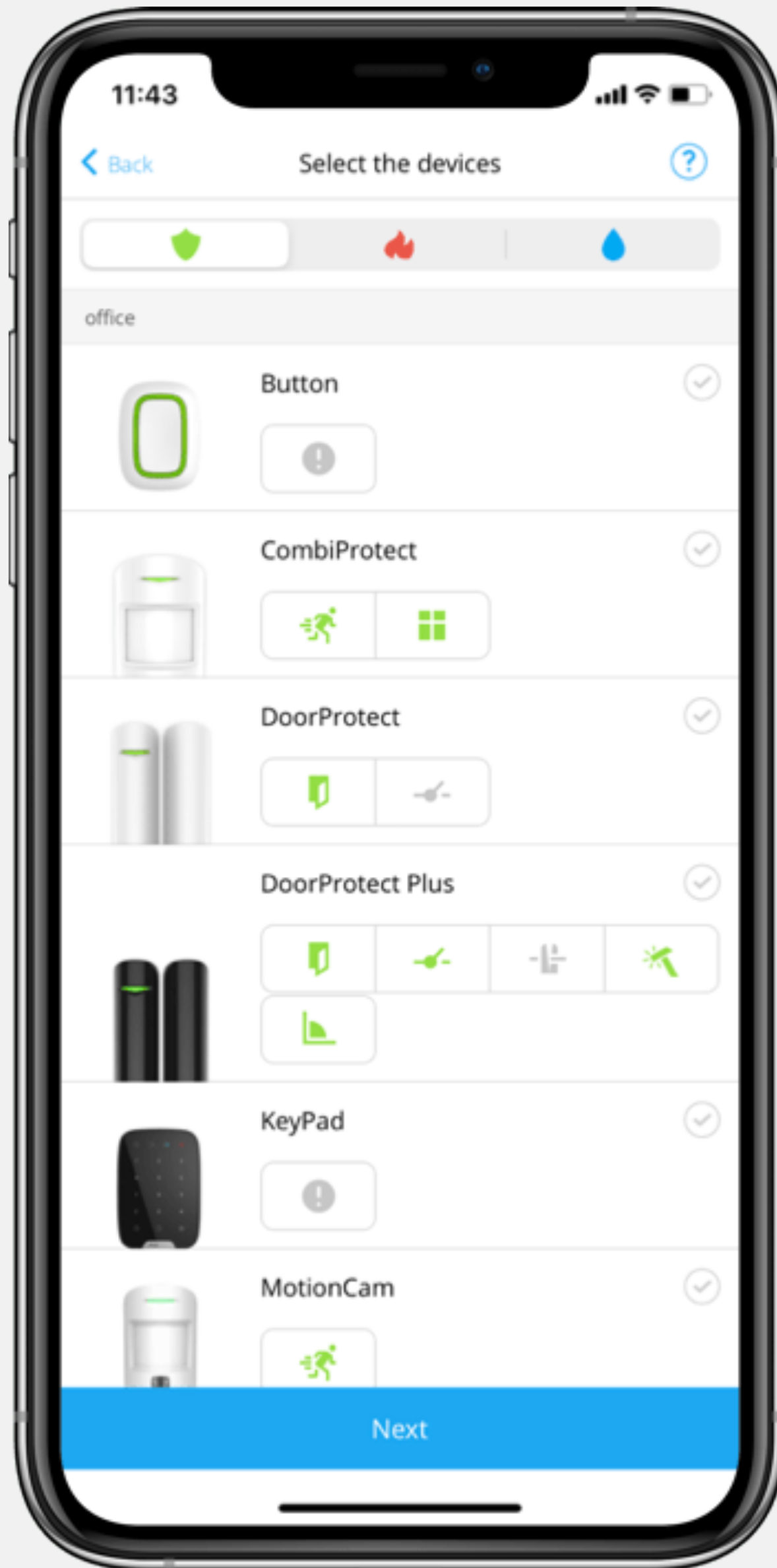


Cameras and DVRs support



Automation

Scenarios



Hub 2 Plus

64 scenarios



Hub 2

32 scenarios



Hub Plus

64 scenarios



Hub

5 scenarios

Automation Devices



WallSwitch



Relay



Socket

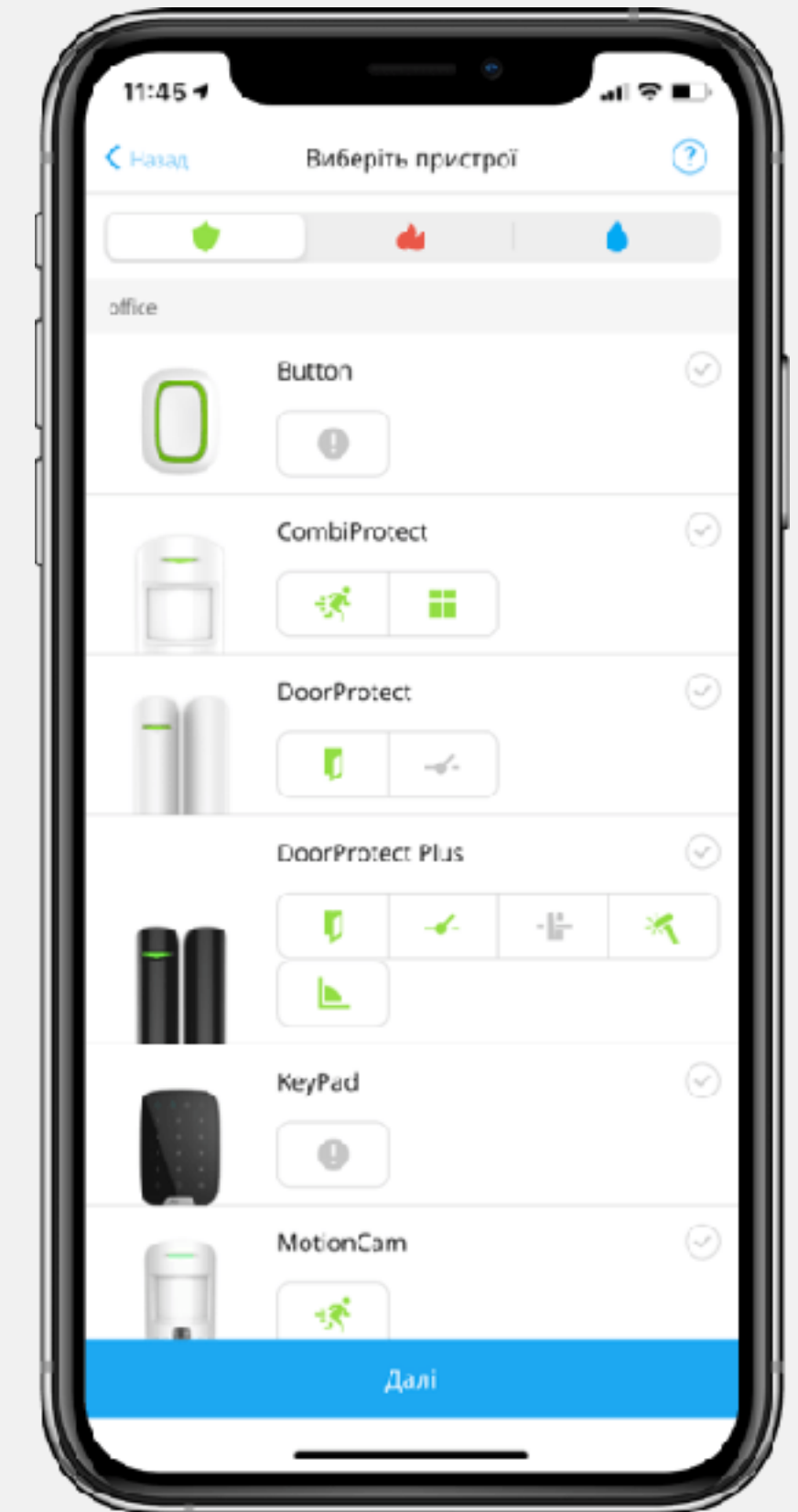
Automation Control



Button



Scenarios



Free App

Types of Scenarios

Alarm reactions

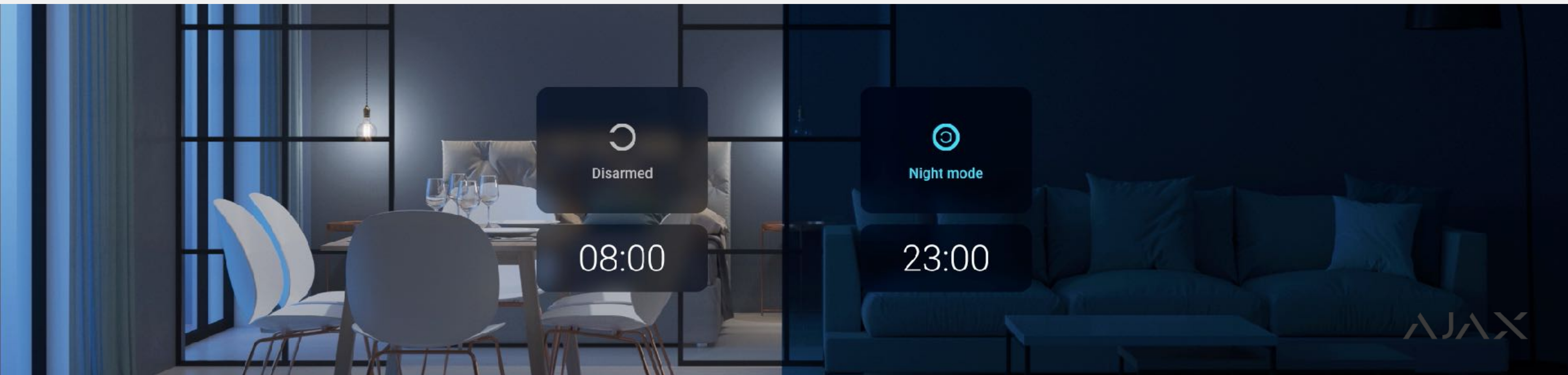
- Flood prevention system
- Switch off the potential cause of ignition
- Spotlighting the trespassers

Scheduled actions

- Scheduled Night Mode
- Home activity simulation
- Heating on schedule

Security mode change reactions

- Turning off lighting and certain sockets when arming the system
- Automatic doors and roller shutters





Security of any Scale

Security of any Scale

ReX

Intelligent range extender communicates at a distance of up to 1800 m



Hub Plus \ Hub 2 \ Hub 2 Plus

5 × ReX

up to 35 km²



Hub

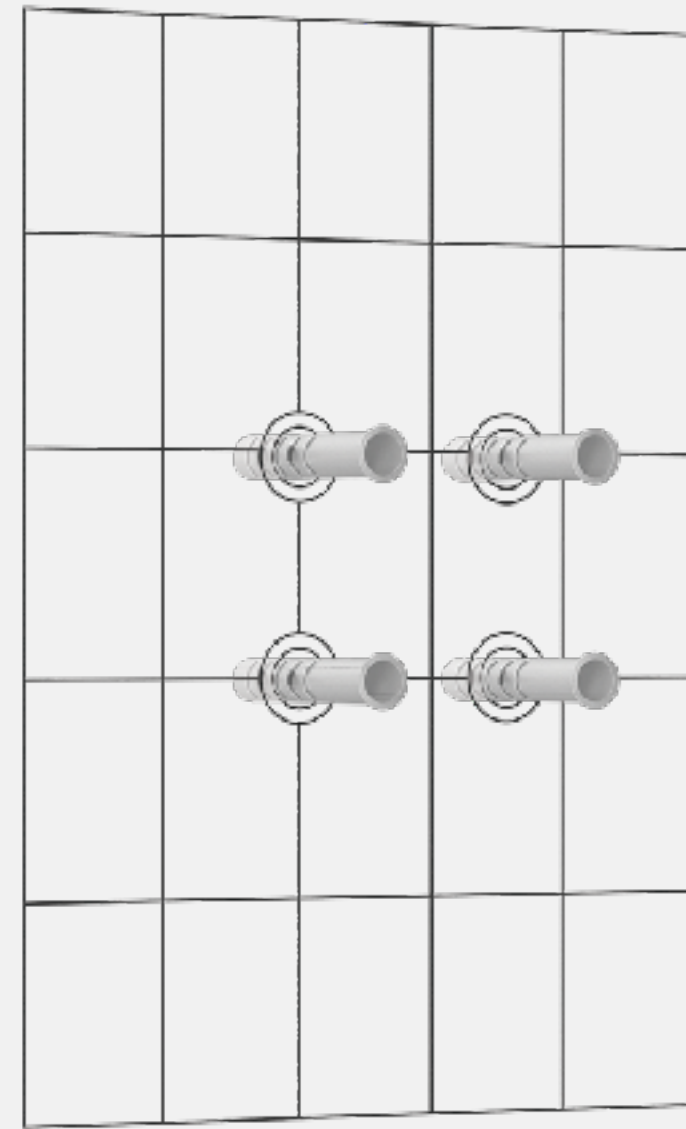
1 × ReX

up to 16 km²

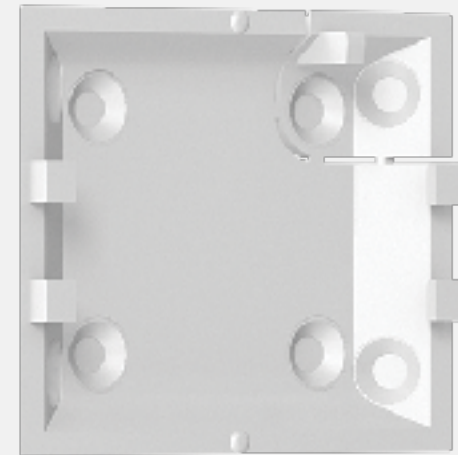


Seamless Setup

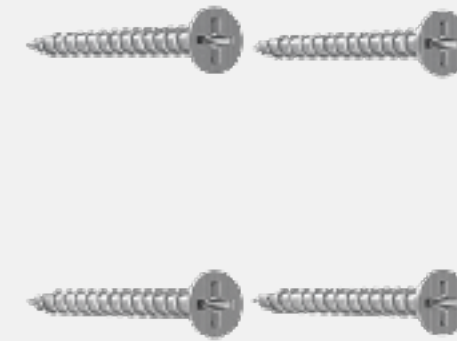
Seamless Setup



Wall



SmartBracket



Screws



Device

- In-app wizard for pairing
- No need to disassemble devices
- Remote testing and device configuring
- All batteries are pre-installed

Detectors are connected using a QR-code and few taps in the app



Devices connect to the hub
in 15 seconds



Connection to CMS

Connection to CMS

The system can be connected to most of the Central monitoring stations (CMS) directly or/and via Ajax Cloud

- SIA and Contact ID support
- Direct connection or/and via Ajax Cloud
- Integration with companies's proprietary protocols
- Visual alarm confirmations
- Transmission of user's coordinates when pressing the Ajax mobile app's panic button



CMS software with integrated Ajax features

With proprietary protocol integration, the system also sends alarm photo verifications and coordinates of the user when pressing the Ajax mobile app's panic button



ABsistemDC(NG)v2
by Alarm Automatika



WBB
by T2i



Kronos
by Next! s.c.



Horus
by Azur Soft



Patriot
by Patriot Systems



eLipse
by Logetel



Manitou
by Bold Group



V1 and F1
by ESI



Stages
by Bold Group



SBN
by Innovative Business Software



Sentinel
by Monitor Computer Systems



MASTerMind
by A Carrier Company



Trusted by Professionals

Ajax meets international security standards



European standard EN 50131,
Grade II

Ajax devices underwent independent testing and received the highest possible rating for wireless solutions



EN 14604 certified

Our smoke detectors fulfill the requirements of this international standard



PD 6662:2017
Security standard

A document that applies European standards for intrusion and hold-up alarm systems in the UK

Approximately 2500 security companies worldwide provide monitoring services for properties secured by Ajax



The most awarded wireless security system in Europe



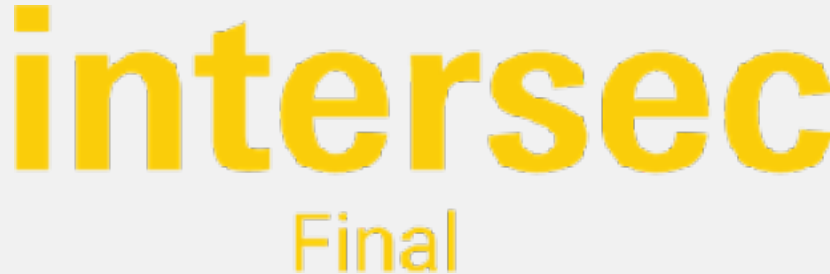
Intruder Alarm of the Year



Security & Firefighting Risks



The Best Innovative Product



Innovative Security Product of the Year



MotionCam - Intruder Product Of The Year





Loved by the End Users

Loved by End Users



87.5%

of the owners would recommend
Ajax to friends and family

Trustpilot «Excellent»



Based on 3,123 reviews

Thank you

Learn more at
www.ajax.systems