AX SERIES

AXHUB

Description

The AX series wireless security hub supports 32 wireless inputs. It can communicate alarm and other important notifications over LAN, Wi-Fi, GPRS and 3G/4G to smart device applications and client software. The panel supports voice guided setup for configuration and operation, making the installation process quick and easy. This solution is mainly for residential and small commercial applications, such as housing, apartments, small shops and offices.

Main Features

- Supports dual path communication of alarm events and other signals over LAN, Wi-Fi, GPRS and 3G/4G utilising a main and backup channel
- Supports up to 32 wireless inputs, 32 wireless outputs, 8 keyfobs and 2 sirens
- Voice guide and setup for configuration and operation
- Wi-Fi Smart-Configuration
- Supports video verification
- Real time alarm report
- Long distance (800m in open area) two-way communication
- AES 128-bit data encryption of the wireless protocol

Available Models

DS-PWA32-H, LAN+Wi-Fi
DS-PWA32-HG, LAN+Wi-Fi+GPRS
DS-PWA32-HS, LAN+Wi-Fi+3G/4G
DS-PWA32-HR, LAN+Wi-Fi, Proximity Reader
DS-PWA32-HGR, LAN+Wi-Fi+GPRS, Proximity Reader
DS-PWA32-HSR, LAN+Wi-Fi+3G/4G, Proximity Reader

AXHUB	
Specifications	
Wireless Inputs	32
Wireless Outputs	32
Users	12
Wireless Keyfob	8
Available RF Frequencies	Two-way wireless 433MHz/868MHz
Wireless Siren	Max 2
Audio Output	1ch Audio Output
Built-in Proximity Reader	-xxR Supports up to 12 MIFARE card
Status LEDs	5: 1 Orange (Fault), 2 Green (Power, Cloud connect), 1 Red (Alarm), 1 Blue (Arming)
Tamper Protection	Front and rear tamper protection
Control via Smart device	Hik-Connect (available on both iOS and Android)
Panel Assist By	Voice prompt
On Board Video Verification	Two channel (each channel 5s pre-event video and 2s after-event video)
Multi Languages Optional	English, French, Russian, Italian, Spanish, Portuguese (upgrade via Cloud)
Interface	
Ethernet	10/100 Mbps Self-Adaptive Ethernet
GPRS	Supports Report Push-Notification to CMS, Cloud; Text notification via SMS; Audio notification via phone call (Models: -HG, -HGR)
3G/4G	Supports Report Push-Notification to CMS, Cloud; Text notification via SMS; Audio notification via phone call (Model: -HS, -HSR)
SIM Card Slot	1 (Models: -HG, -HS, -HGR, -HSR)
Reset	1
Wi-Fi Protocol Standard	802.11b/g/n
Wi-Fi Security Encryption	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Protocol	
Hik SDK Protocol Compatible	Supports HIK-SDK, management on iVMS-4200
Ezviz Protocol Compatible	Supports Ezviz Protocol, management on Hik-Connect
ARC Communication	SIA-Contact ID
Web Server	For configuration via web browser
Mobile App	Supports Alarm Push-Notification, Arming/Disarming, Status Checking, Report Checking, Video Linkage
Onvif Protocol	Supports third party IPC integration
Technical Specification	
Power Supply	Included 5VDC, 10W
Power Consumption	<5.6W
Backup Battery	1 Lithium battery, 3.8V, 4520mAH (Battery life up to 12 hours)
Other Details	
Operating Temperature	−10ºC to 55ºC
Operating Conditions	10% to 90% (Non-Condensing)
Dimensions (W x H x D)	155 x 155 x 35mm
Colour	White or Black
Shell Material	PC+ABS

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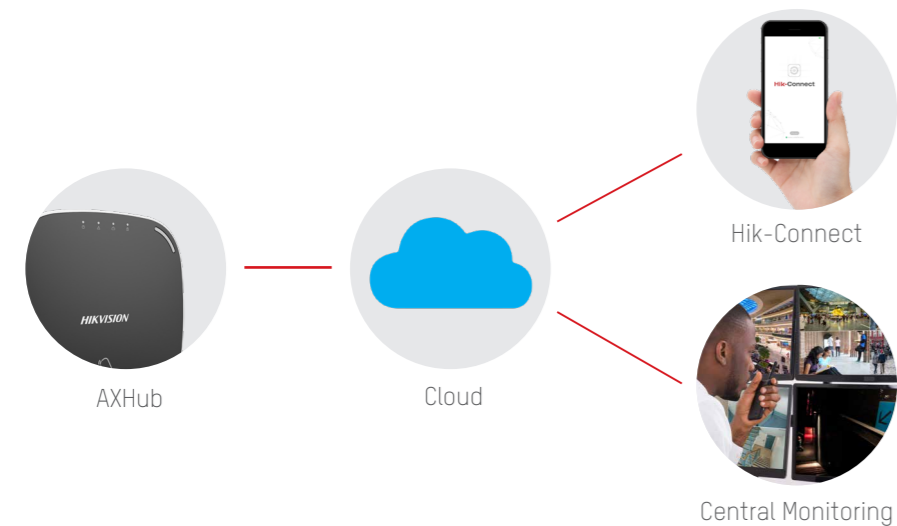# INTRUSION WITH VISION

AX-SERIES
WIRELESS ALARM HUB

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STYLISH DESIGN WITH COMPREHENSIVE CONNECTIVITY

The AXHub is the latest innovation in intruder alarm systems. Part of the Hikvision AX Series and catering for residential and small commercial applications, the AXHub connects security peripherals such as motion detectors and displacement sensors, alongside safety devices like smoke and gas sensors to keep people safe.

Simple to install and use, the AXHub provides voice prompts locally to assist during installation, as well as alert the end user to any events. The AXHub is also compatible with the Hik-Connect smart device app, in addition to a wide range of communication pathways and multiport IP communications via either the Cloud or CMS for added peace of mind.

Hik-Connect

AXHub — Cloud

Central Monitoring

This Cloud connectivity allows full control of the system from anywhere via Hik-Connect, to easily and remotely arm, disarm and monitor the system. The Cloud also enables the use of revolutionary IVaaS (Intruder Verification as a Service), which allows end users and monitoring stations to quickly and efficiently confirm system events through HD video verification.
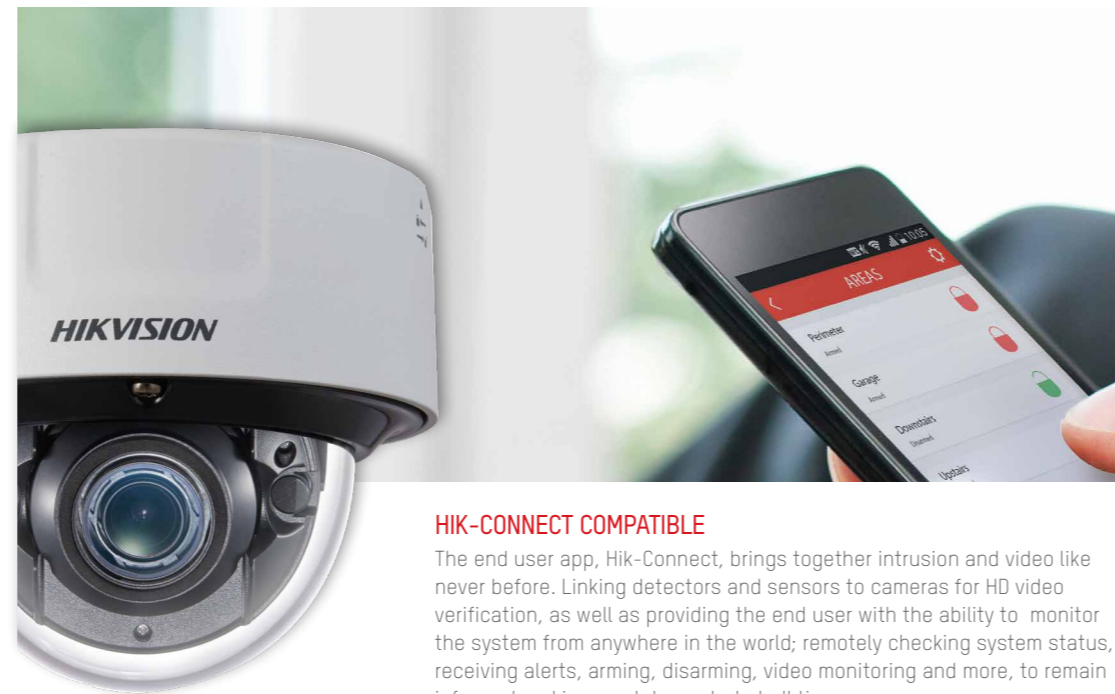
IVaaS (INTRUDER VERIFICATION AS A SERVICE)

This revolutionary service provides HD video verification for users and/or monitoring stations to quickly and efficiently confirm events on the system.

Where other video verification methods rely on sending low-quality static images to confirm events, IVaaS utilises Cloud technology to link previously separate video and intruder systems to one-platform. This means Hikvision's cameras and alarm systems work seamlessly to provide live HD video footage directly through Hik-Connect and iVMS, or instantly to monitoring stations, to make active decisions faster and more reliably in the event of an activation.

With IVaaS, this one-platform also features alarm and push notifications, remote arming and disarming, viewing live and recorded camera feeds and user management operations.
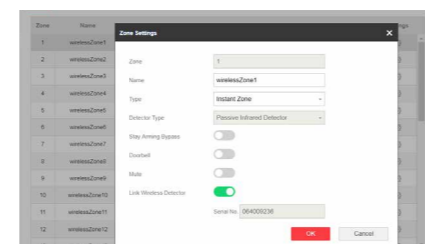
To achieve IVaaS there are two methods:
Method 1: Connect Hikvision IP camera* directly to the AXHub.

Please Note: This delivers a maximum resolution of 4CIF 704x576 video. If the alarm is triggered, a 7 second video will be delivered via mail or the app, covering 5 seconds prior to the activation to 2 seconds following the activation. A 7 second video will be delivered for each activation.

*Cameras which support Onvif protocol can also connect directly to the AXHub.

Method 2: For full HD video verification connect the Hikvision IP camera and AXHub via EZVIZ Cloud.

Please Note: This delivers HD video for verification, but the specific resolution is dependent on the camera used. When the alarm is triggered a pop-up will appear with a live video view of the event.

KEY FEATURES

HIK-CONNECT COMPATIBLE
The end user app, Hik-Connect, brings together intrusion and video like never before. Linking detectors and sensors to cameras for HD video verification, as well as providing the end user with the ability to monitor the system from anywhere in the world; remotely checking system status, receiving alerts, arming, disarming, video monitoring and more, to remain informed and in complete control at all times.

TWO-WAY WIRELESS DEVICES
With the AXHub, you can add up to 32 two-way wireless devices. This provides a system which is secure and flexible; allowing even larger premises to be secured with a wide range of indoor and outdoor Hikvision peripherals.

WEB CONFIGURATION
The AXHub has a built-in web server which enables the device to be configured through a web browser over the local IP network. This offers more flexibility and time saving on site, as setup can be done quickly and efficiently using a laptop or compatible smart device.
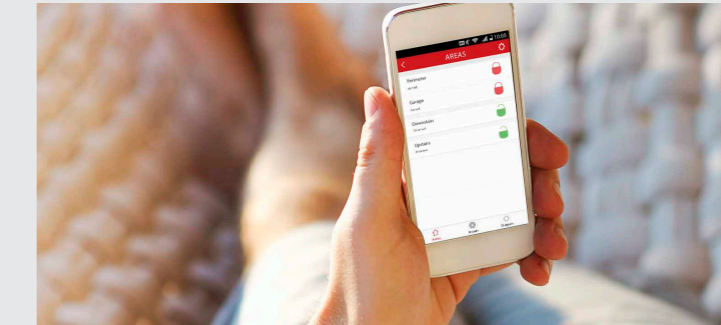
LONG DISTANCE
The high sensitivity receiver utilised with two-way wireless technology allows a wireless signal range of up to 800m in open space, which ensures signals are as strong as possible, while eliminating the need for repeaters; reducing the installation costs.
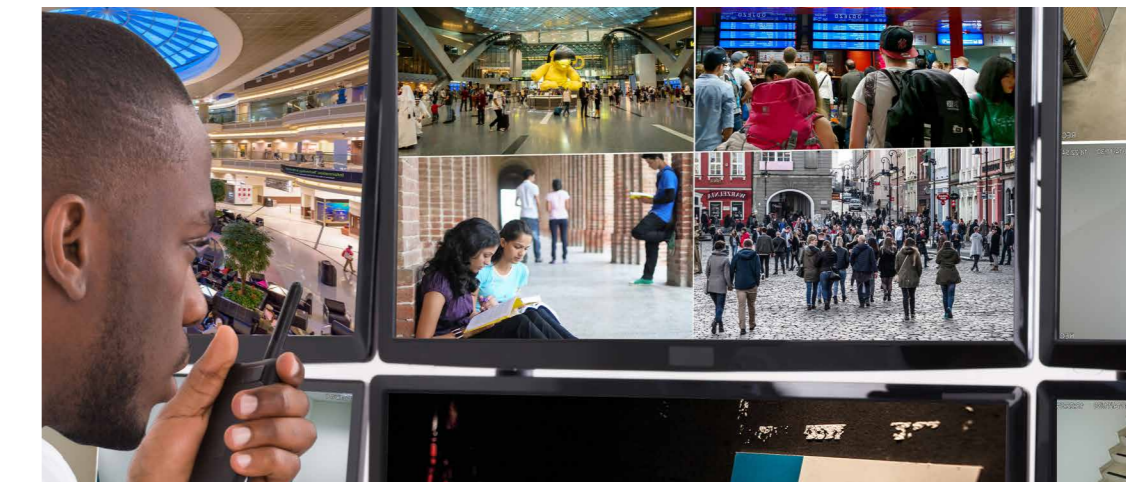
MULTIPLE COMMUNICATION PATHS
The variety of communication pathways available with the AXHub is unmatched. It offers LAN, Wi-Fi, GPRS and 3G/4G connections with on-board communication modules and connectors for a simpler and more cost-effective installation. With multiport IP communications, the AXHub can also communicate simultaneously with multiple devices, to ensure alarm messages are sent to all that need them.

EASY SETUP AND INSTALLATION
Setting up the system could not be simpler, with an intuitive and easy to use interface. Connect to the panel directly via our web-browser or with iVMS-4200 on a laptop for on-site setup or, alternatively, program the system using the Hik-Connect app. Learning devices and sensors onto the system is also easy using the one-push-to-learn feature on all Hikvision wireless intrusion devices, to save time and money.

ARC LINKAGE
If ARC connectivity is required, the AXHub can communicate alarms and other messages in Contact ID format for a rapid and efficient response.