

AX Series
*Integrated Audio &
Video Security*



What new Aiphone product flawlessly integrates with existing security components?

CCTV
Cameras

Access
Control
Hardware

Outside
Phone
Line

Door Strikes
or Magnetic
Door Locks

Introducing the new

AX Series

The AX Series offers seamless integration into existing security systems including CCTV, Electronic Access Control and an outside phone line. The system supports up to 8 master stations and 120 door stations, all connected with dedicated CAT-5e cable. Best of all, the AX Series is PC programmable so the system features and functionality is set up in a snap.



Completing the Security Puzzle

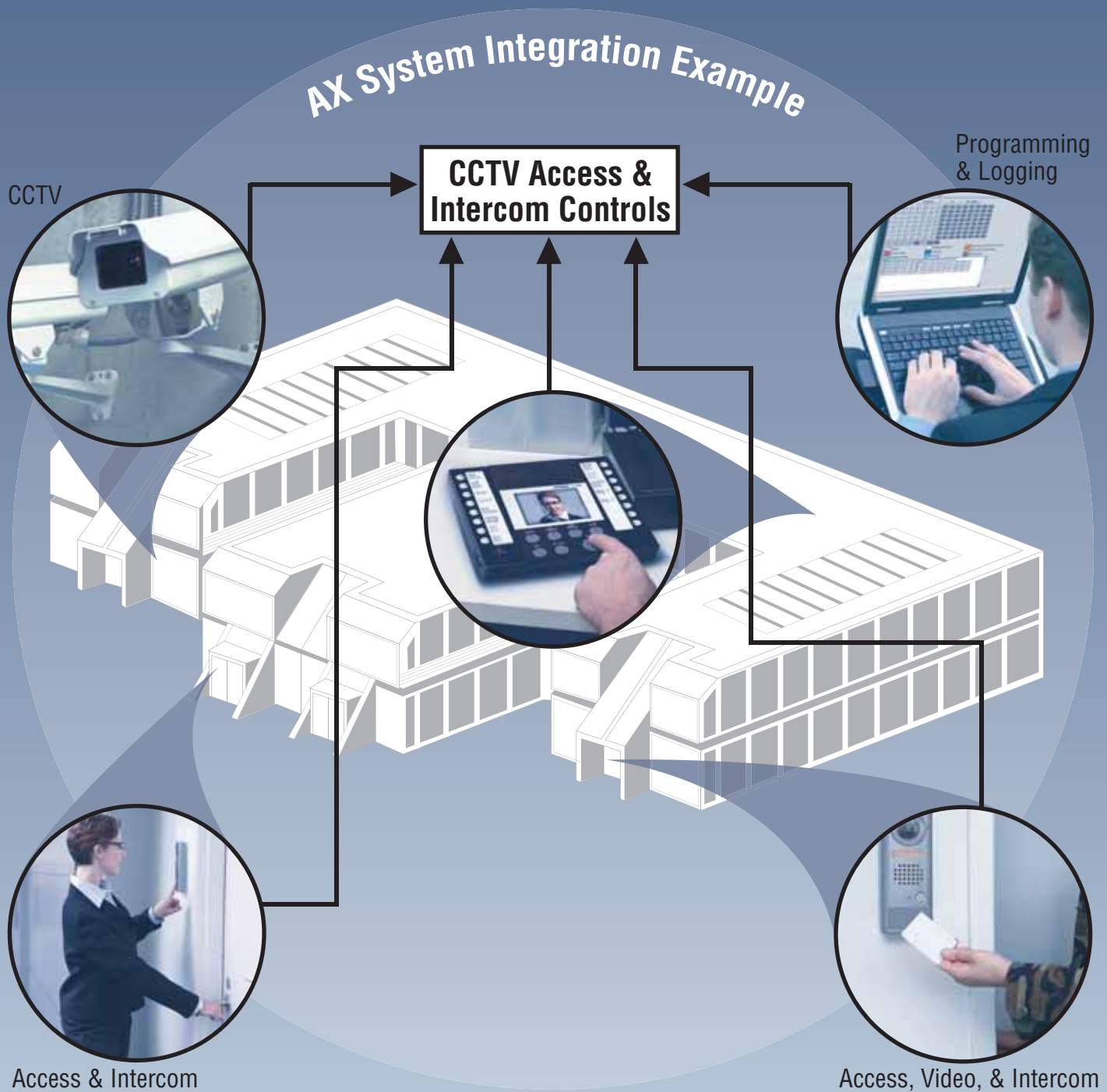
With building security systems getting more sophisticated, the use of CCTV and access control are a more of a requirement now, instead of the luxury they were just a short time ago. Unfortunately, CCTV and access control don't always provide a complete system. CCTV systems present a broad view of a wide area and access control systems are only as good as the credentials put in front of them.

The AX Series by Aiphone is the final piece that completes the security puzzle. The AX video door station shows a clear image of a person's face to complement the broad image shown by CCTV. Simultaneously, it provides a convenient method of communication for those with lost, missing or inappropriate access credentials. In addition the AX Series can forward calls from access points to an outside phone line.

After identity is established, simply press a button on the AX master unit to activate the door where access is being requested.

The AX Series allows up to eight locations to communicate with as many as 120 door stations and everything is wired with CAT-5e cable to make installation a snap. The series has a wide variety of door stations, including those with embedded HID® proximity card readers that allow access control, intercom, and video identification in one package. Newly designed mullion mounted door stations allow audio communication at access points where it was previously unavailable. The provided software is intuitive to use.

It controls many features and functions of the system, and also provides log data of system activity.



Applications

• Commercial



When protecting a facility, the AX Series is user friendly to visitors and vendors who must enter areas protected by card access security systems. When a visitor pushes the button on the door station, the master(s) rings and the video monitor provides a clear, bright image of who is at the door. Once the visitor has been approved, a door release button can be pressed to let them in. Employees who have lost credentials can use the system for verification prior to gaining entry too. The versatility of the AX system allows multiple entries to communicate throughout a commercial facility.

• Correctional



Aiphone's AX Series combines communication with monitoring of multiple gates and doors. The seamless integration of intercom with existing CCTV and access control systems provides reliable communication between stations and electronic door control. The AX Series also provides an effective solution for correctional personnel within cell block areas. Where communication and security control are critical, the system performs flawlessly and provides event logging of all system activity. An assortment of vandal resistant sub stations is also available for guard to inmate communication.

• Educational



Schools without an electronic access control system to monitor doors or office entrances must rely on staff personnel to be the eyes and ears of their facility. With Aiphone's AX Series, monitoring these entrances is now easier than ever. The system offers the flexibility to monitor, communicate, and control multiple entrances, along with providing a crisp image of who is at the door. Once the visitor is identified, they can be let in by means of a built-in door release button on the system. Integrate the system with an electronic access control system instead of worrying about lost or stolen keys ending up in the wrong hands. Aiphone's quality door stations with built in HID® readers make maintaining the system easier than replacing keys and credentials.

• Healthcare



Whether there's trouble or simply a lost card key, the AX Series empowers staff and visitors with the safety and security of immediate assistance. Instant communication at ticket stanchions, stairwells, and other locations throughout a parking structure is a basic function of the AX system. Heighten effectiveness with access control integration, call forwarding, scan monitoring, and event logging. The AX system can also prevent unauthorized access to materials and sensitive areas. Options such as video/audio confirmation with selective door release and integration with staff card readers provide tailored solutions to specific access control needs.

Central Exchange Unit



AX-084C (shown)
Central Exchange Unit for 8 doors and 4 masters

AX-248C
Central Exchange Unit for 24 doors and 8 masters

AX-320C
Add-on Exchange Unit for 32 doors

The Central Exchange Unit (CEU) is the "brains" of the AX Series. All master and door stations homerun to the CEU for connection and programming. All CEU's have RJ-45 jacks for station connection, programmed dry contacts for remote control functions (door release etc.), video output, CO line output, and an RS-232 connection for programming, event log output, and CCTV/Access Control interface.

Master Stations



AX-8MV
Color Video Master Station, wall or desk mount



AX-8M
Audio Only Master Station, wall or desk mount



AX-16SW
16-Call Add-on Selector

The AX Series features an audio only and an audio/video master station. Both units are CAT-5e homerun wired to the CEU and feature an oversized TALK button to activate the VOX or PTT style communication. Other features include door call-in indicator, call buttons for other units, scan monitoring activation button, privacy button, a call tone volume control, CO line transfer button, All Call button, headset connection, and a button for door release. The audio/video master station (AX-8MV) has a 3-1/2" TFT monitor. Up to eight masters can be included in a system. Each master has eight buttons for communication to door stations, and add-on selectors (AX-16SW) can be added to increase the number of doors to 120 stations.

Door Stations



AX-DM
Audio Door Station, plastic cover, mullion surface mount



AX-DV
Fixed Color Video Door Station, aluminum die cast, surface mount



AX-DVF
Fixed Color Video Door Station, stainless steel, flush mount



AX-DV-P
Fixed Color Video Door Station with HID® ProxPoint® Plus Card Reader, aluminum die cast, surface mount



AX-DVF-P
Fixed Color Video Door Station with HID® ProxPoint® Plus Card Reader, stainless steel, flush mount

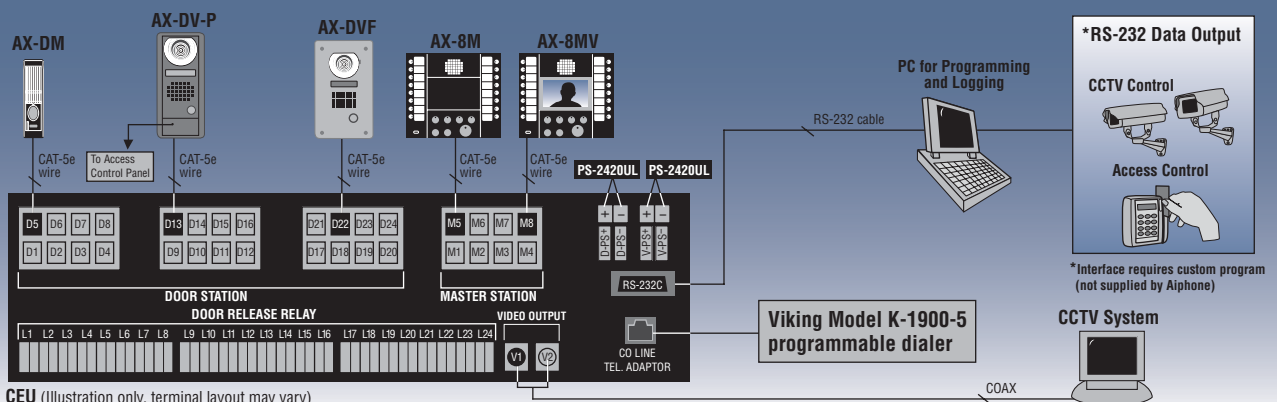
Audio/Video door stations are available as surface mount units with an aluminum faceplate or as a flush mount unit with a stainless steel faceplate. Both units are available with an embedded HID® reader and feature a metal call button, Lexan covered camera, RJ-45 jack for easy connection, speaker and microphone assembly for clear communication and white illumination LED's for clear visibility in low light conditions. In addition, a mullion mounted audio only door station is available and all IE/IF series door stations are compatible. All doors homerun to the CEU and are connected using CAT-5e cable.

System Software



Features and functions of the AX Series are programmed using the included software. The software is intuitive to use and allows you to set individual door stations' call-in time out length (10 seconds to 10 minutes, or infinite), call-in priority levels, scan monitoring inclusion, door release relay activation, and timing. In addition, the software features an easy to use interface for gathering log data, setting the communication method at the master (VOX or PTT), and data up/down loading.

Basic Wiring Diagram



AX Series

Door Stations



AX-DV
Color Video Door Station

- Aluminum die cast
- Surface mount
- Illuminator LED's automatically turn on in low light conditions



AX-DVF
Color Video Door Station

- Stainless steel
- Flush mount
- Illuminator LED's automatically turn on in low light conditions



AX-DV-P
Color Video Door Station

- Embedded HID® ProxPoint Plus® card reader
- Aluminum die cast
- Surface mount
- Illuminator LED's automatically turn on in low light conditions



AX-DVF-P
Color Video Door Station

- Embedded HID® ProxPoint Plus® card reader
- Stainless steel faceplate
- Flush mount
- Illuminator LED's automatically turn on in low light conditions



AX-DM
Audio Only Door Station

- Mullion surface mount
- Weather resistant

Master Stations & Add-on Selector



AX-8MV
Color Video Master Station

- 3.5" LCD monitor
- Hands-free or push-to-talk communication
- All Call to master stations
- Scan monitoring
- Selective door release
- Privacy and mute functions
- Wall or desk mount
- Connection for headset and footswitch
- Attractive Design



AX-8M
Audio Only Master Station

- Hands-free or push-to-talk communication
- All Call to master stations
- Scan monitoring
- Selective door release
- Privacy and mute functions
- Wall or desk mount
- Connection for headset and footswitch
- Attractive Design



AX-16SW
16-Call Add-on Selector

- Channels for additional door stations
- Aesthetically matches AX-8M and AX-8MV

Central Exchange Unit (CEU)



AX-084C – CEU for 8 doors and 4 masters

AX-248C – CEU for 24 doors and 8 masters

AX-320C – Add-on Exchange Unit for 32 doors

- RJ-45 connectors for masters and doors
- Composite video output (BNC)
- RS-232 serial output
- Composite video output
- Selective door release (programmable to N/O or N/C)
- CCTV and access integration
- Programmable by PC
- Rack mountable (2U)

Compatible Door Stations & Accessories



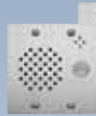
IF-DA
Door Station, plastic cover, surface mount



IE-DC
Door Station, plastic and aluminum cover, surface mount



IE-JA
Door Station, stainless steel faceplate, flush mount



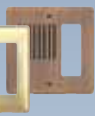
IE-SS & IE-SSR
Door Station, stainless steel, flush mount



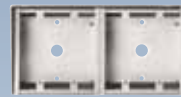
HID-SS
Accessory Station with Embedded HID® ProxPoint Plus® Card Reader



ICP-BR & ICP-AB
Brass Faceplate for IE-JA



SBX-2G
Surface Mount Box for HID-SS, IE-JA, IE-SS or IE-SSR



SBX-2BH
Surface Mount Box for HID-SS and IE-JA, IE-SS or IE-SSR (vertical mount also available - SBX-2BV)



AXW-AZ
CCTV Camera Input Module

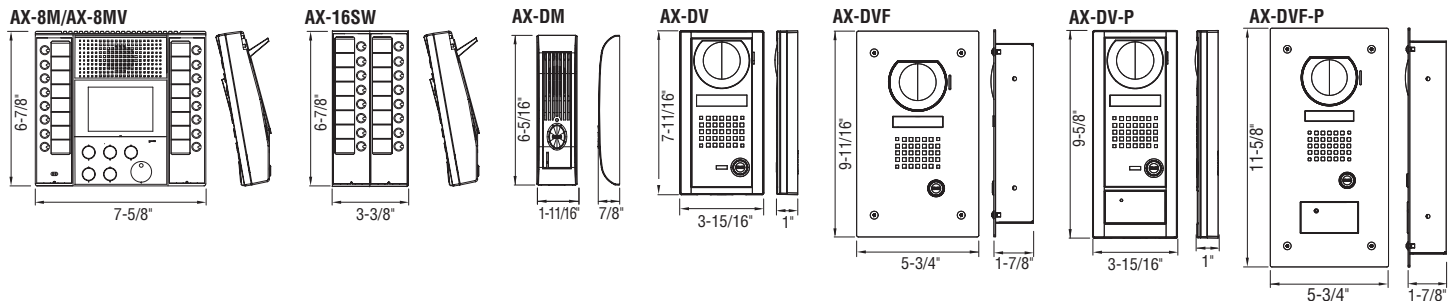
Specifications

Power Source	24V DC - Use two PS-2420UL (110V AC) per system
Door Station Calling	Tremolo call tone programmable from 10-600 seconds, or infinite. LCD monitor remains on for duration of call tone up to max. 10 mins.
Master Station Calling	Select station to call, pretone sounds, then speak hands-free or push-to-talk
Communication	Hands-free or push-to-talk
Video Monitor	3.5" direct view TFT color LCD
Door Release	N/O or N/C, programmable per station
Wiring	CAT-5e UTP-4 homerun from each station to CEU
Distance	Door station to CEU: 980' Master station to CEU: 980'
CO Tel Adaptor	Viking Model K-1900-5 programmable dialer

System Features

- CAT-5e cabling throughout the system
- 8 masters, 120 door stations
- Two talk channels
- PTT or VOX operation
- Selective calling between masters, and from master to door stations
- Composite video output from CEU
- Normal or priority call levels
- Electronic access control and CCTV integration
- PC programmable with a large variety of settings
- RS-232 data out for custom programming
- Selective Call to any master or any door station
- All Call or Group Call to master stations
- Compatible with IE Series door stations
- Transfer calls to an outside phone line

Unit Dimensions



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