

## **AX SERIES**

Hands-Free Video Security Intercom with Integration









**Versatile Intercom Communication for** *any* **Security Demand** 

# COMPLETE S E C U R I T Y



# **AX SERIES**

gives you the power to...



entry security and regulate access into a building



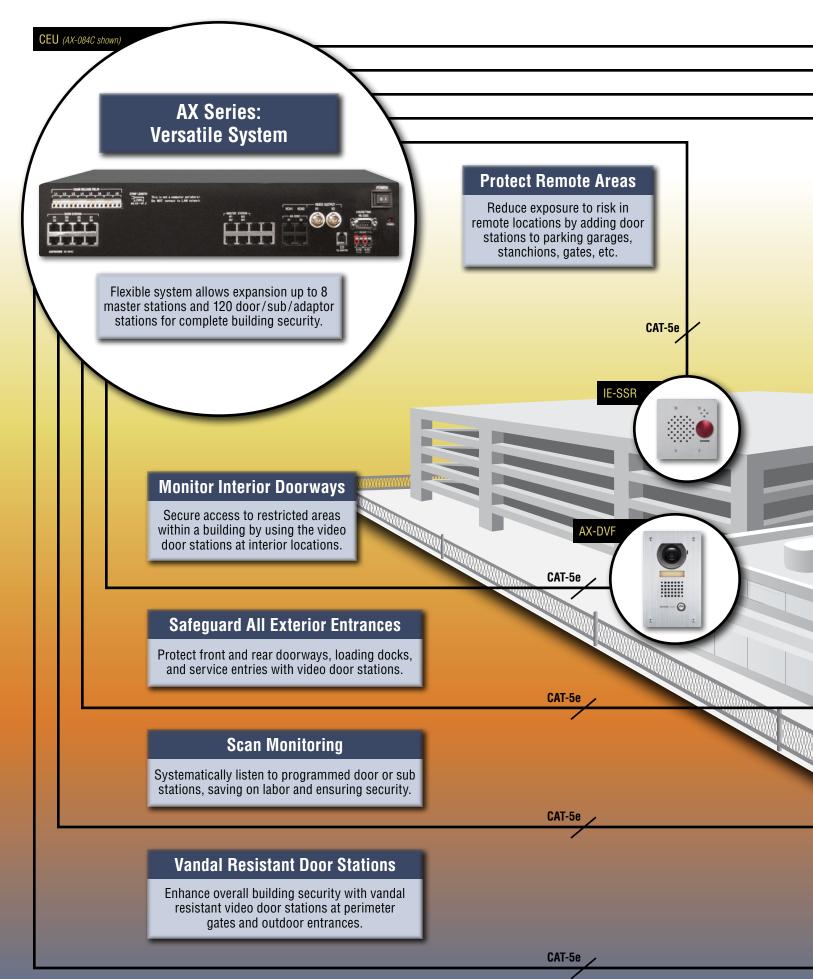
easily and efficiently while keeping your facility secure

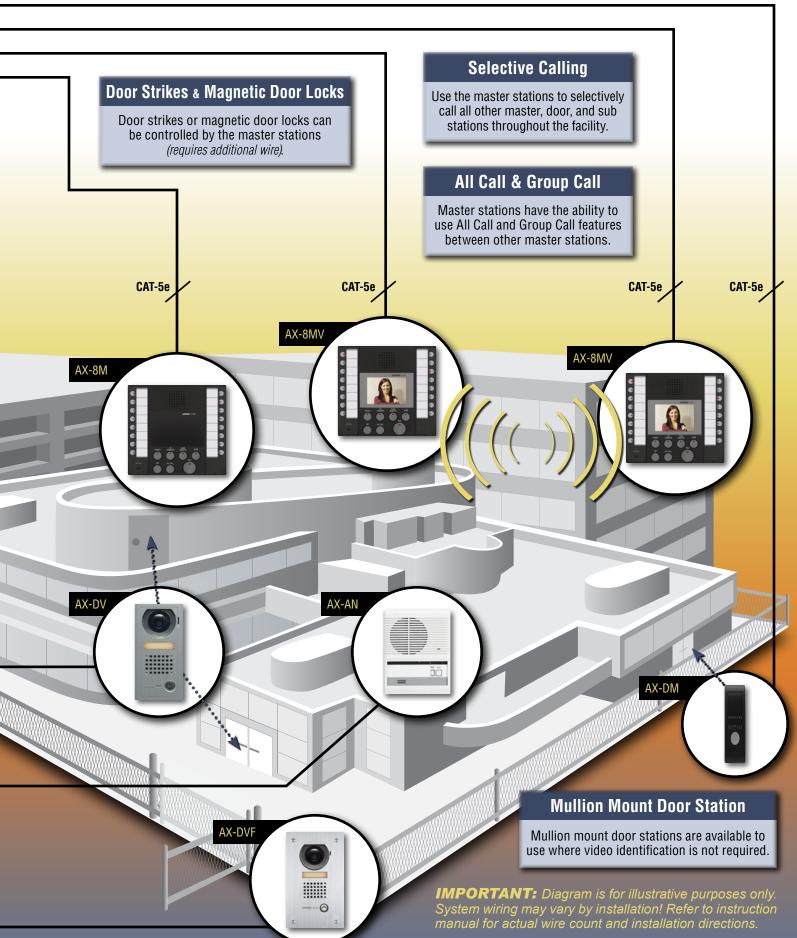
## CONFIRM

identity with crisp audio and clear, up-close video

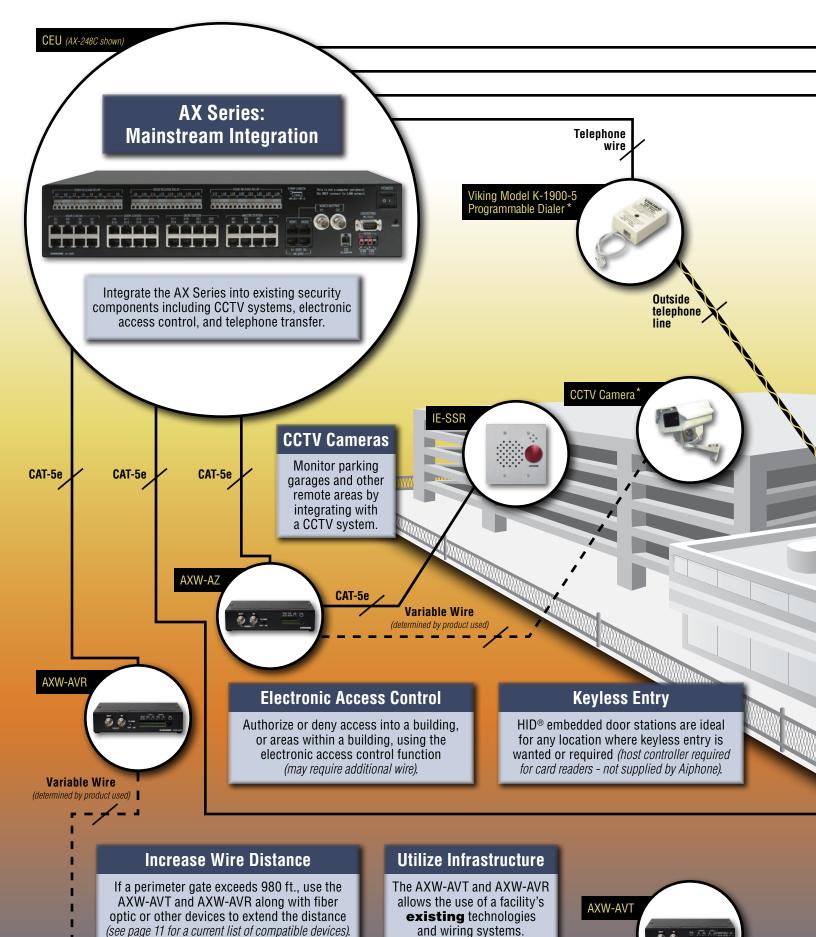


## SYSTEM LAYOUT: STANDARD

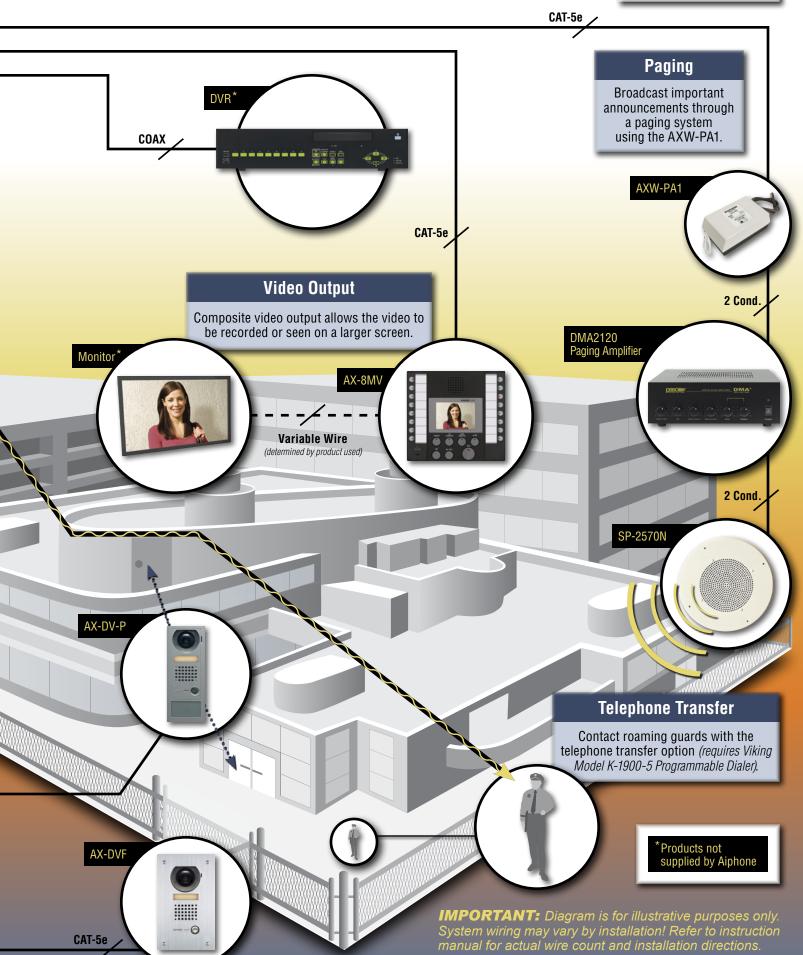


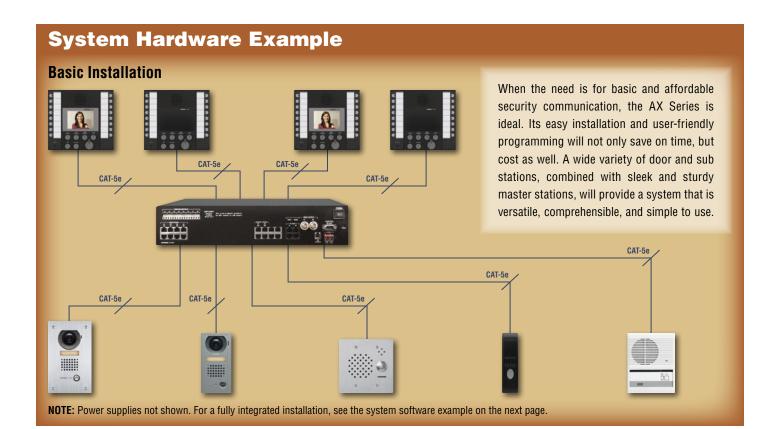


# SYSTEM LAYOUT: NTEGRATED

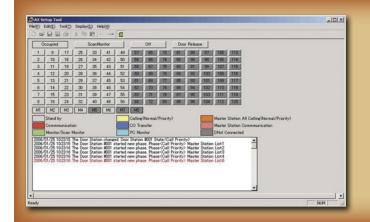




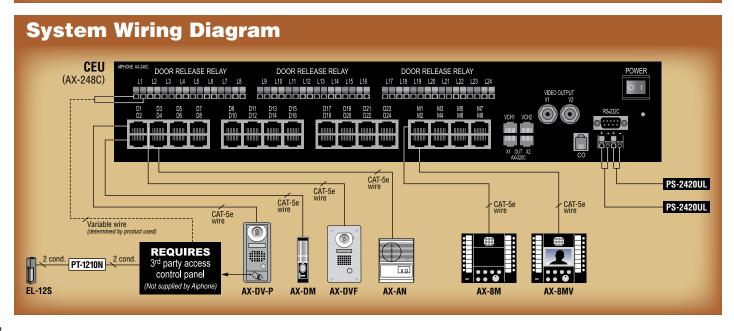


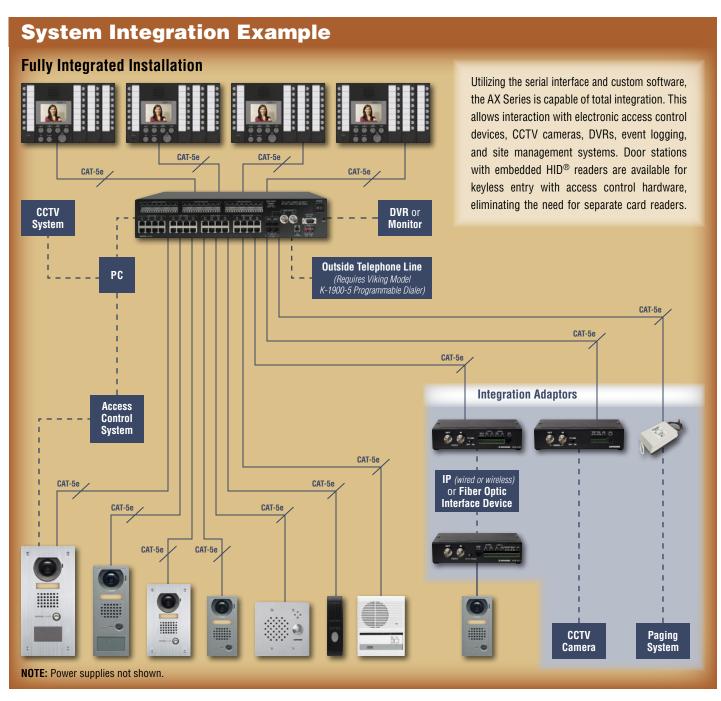


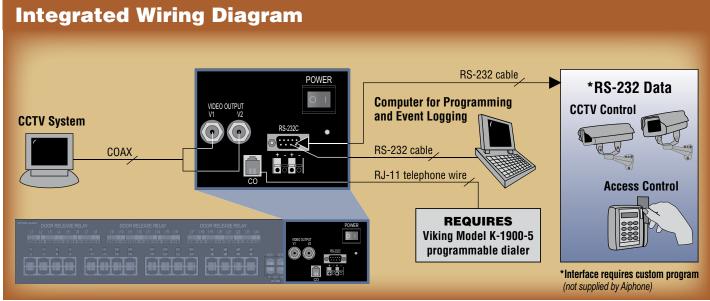
## **System Software**



Features and functions are programmed using the custom software, included with the CEU. It is intuitive to use and allows you to set individual door stations' call-in length (10 seconds to 10 minutes, or infinite), call-in priority levels, scan monitoring inclusion, and 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.







## **Central Exchange Units**



#### AX-084C

Central Exchange Unit

 Supports up to 4 master stations and 8 door/sub stations

#### AX-248C (not shown)

Central Exchange Unit

 Supports up to 8 master stations and 24 door/subs stations

#### AX-320C (not shown)

Add-On Central Exchange Unit

• Supports up to 32 door/sub stations

#### Additional CEU Features:

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

#### **Master Stations**



#### **AX-8MV**

Video Master Station

· Wall or desk mount

### 

#### AX-8MV-W

Video Master Station (recommended for an 8 x 8 system only)

- White finish
- · Wall or desk mount



#### AX-8M

**Audio Master Station** 

· Wall or desk mount



#### **AX-16SW**

16-Call Add-On Selector for AX-8MV or AX-8M

(max. 7 per master)

- Provides channels for additional door stations
- Aesthetically matches AX-8M and AX-8MV (not recommended for AX-8MV-W)

#### **Additional Master Station Features:**

- 3.5" color TFT LCD monitor (AX-8MV and AX-8MV-W)
- Hands-free (VOX) or pushto-talk (PTT) communication
- All Call to master stations
- Scan monitoring
- Selective door release
- Privacy and mute functions
- Connection for headset and footswitch

## **Component Matrix**



**NOTES:** Use the AX-248C for systems with more than 4 master stations (may change the required quantity of AX-320Cs). Two PS-2420UL power supplies are required per system.

#### **Door Stations**

#### Weather & Vandal Resistant Video Door Stations -Surface Mount



**AX-DV** Video Door Station

- · Fixed camera
- Aluminum die cast
- Surface mount



#### AX-DV-P\*

Card Access Video Door Station

- HID® ProxPoint® Plus Proximity Card Reader
- Fixed camera
- Aluminum die cast
- Surface mount

#### Weather & Vandal Resistant Video Door Stations -Flush Mount



#### **AX-DVF**

Video Door Station

- · Fixed camera
- · Stainless steel
- Flush mount
- Back box included



#### AX-DVF-P\*

Card Access Video Door Station

- HID® ProxPoint® Plus Proximity Card Reader
- Fixed camera
- Stainless steel
- Flush mount
- Back box included

\* HID® stations require a 3rd party host. Power for

## card reader and door strike require additional wire.

IF-DA

Station

Audio Door

Plastic cover

Surface mount

## Weather & Vandal Resistant Audio Door Stations -

Flush Mount



### IE-SS/A

Audio Door Station

- · Stainless steel
- Flush mount
- Fits 2-gang box



#### **IE-SSR**

Audio Door Station

- Red mushroom call button
- Stainless steel
- Flush mount
- Fits 2-gang box

### Weather Resistant Audio Door Station -

Weather Resistant Audio Door Stations -

Flush Mount

Surface Mount

**AX-DM** 

Audio Door Station

Plastic cover

surface mount

Mullion



#### IE-JA

**Audio Door Station** 

- Stainless steel
- Flush mount
- · Fits 2-gang box

#### Weather & Vandal Resistant Audio Door Station with **CCTV Camera – Flush Mount**



#### **IE-SSV**

**Audio Door Station** 

- Built-in CCTV camera (requires AXW-AZ)
- · Stainless steel
- · Flush mount
- · Fits 2-gang box

### **Sub Stations**



**AX-A** (not shown) Audio Sub Station

Surface mount

AX-AN Privacy Audio Sub Station

- Privacy button
- Surface mount
- AX-B (not shown) Audio Sub Station
- · Semi-flush mount

AX-BN (not shown) Privacy Audio Sub Station

- Privacy button
- · Semi-flush mount

Paging Adaptor

## **Integration Adaptors**

#### Approved Devices for AXW-AVT & AXW-AVR Manufacturer Model Type AFI (American Fibertek) MT/MR-1890 Fiber Optic Infinova N3732TA-M/N3732RA-M Fiber Optic Meridian Technologies ST/SR-1W2A2C2G/2A2C2G-X Fiber Optic

NOTE: This list of approved devices is subject to change. For an updated list, please contact Aiphone Technical Support (Mon. - Fri., 6:00am - 4:30pm) at (800) 692-0200 or e-mail tech@aiphone.com.



**CCTV** Input Module







**AXW-AVT** Audio / Video Transmitter



**AXW-AVR** Audio / Video Receiver

#### Accessories



HID-SS

Card Access Station with HID® ProxPoint® Plus **Proximity Card Reader** 



SBX-2G

Surface Mount Box for IE-JA, IE-SS/A, IE-SSR, or IE-SSV



SBX-2BH

Horizontal Surface Mount Box for HID-SS and one IE-SS/A, IE-SSR, or IE-SSV



SBX-AXDV30 30° Angle Box for AX-DV



SBX-AXDVF Surface Mount Box for AX-DVF



SBX-DVF-P Surface Mount Box for AX-DVF-P



LB-XDVF Security Lock Box for AX-DV or AX-DVF (lock not included)



SBX-LSP







mounting AX-B

or AX-BN



**EL-12S** Electric Door Strike (requires PT-1210N)



RY-ES External Signaling Relay



RY-24L Form C Door Release Relay (1 per door)



IER-2 Call Extension Speaker



MCW-S/A

Desk Stand for AX-8MV, AX-8MV-W, or AX-8M

HEIGHT 3-7/16" 6-7/8" 6-7/8"	WIDTH 18-7/8'' 3-3/8'' 7-5/8''	<b>DEPTH</b> 13-3/16'' 1-7/8''	RECESSED -	HEIGHT 88	<b>WIDTH</b> 480	<b>DEPTH</b> 335	RECESSED
6-7/8'' 6-7/8''	3-3/8''	, -			480	335	
6-7/8''	, -	1-7/8''	_				_
	7-5/8''		_	175	86	48	-
	. 5/0	2-9/16''	-	175	194	65	-
7-1/16''	5-5/8''	2-1/8''	-	180	143	53.5	-
8-3/16"	6''	2''	9/16''	208	153	50.5	15
6-5/16''	1-11/16''	7/8''	-	160	43	22.5	-
7-11/16''	3-15/16''	1"	-	195	100	25	-
9-11/16''	5-3/4''	*	-	246	146	*	-
11-5/8''	5-3/4''	*	-	295	146	*	-
9-5/8''	3-15/16''	1"	-	245	100	25	-
1-5/8''	7''	4''	-	41	178	102	-
4-1/2''	4-9/16''	*	-	115	116	*	-
4-3/4''	4-3/4''	*	-	121	121	*	-
5-1/8''	3-7/8''	1-1/8''	-	130	98	28.5	-
	8-3/16" 6-5/16" 7-11/16" 9-11/16" 11-5/8" 9-5/8" 1-5/8" 4-1/2" 4-3/4" 5-1/8"	8-3/16" 6" 6-5/16" 1-11/16" 7-11/16" 3-15/16" 9-11/16" 5-3/4" 11-5/8" 5-3/4" 9-5/8" 3-15/16" 1-5/8" 7" 4-1/2" 4-9/16" 4-3/4" 4-3/4" 5-1/8" 3-7/8"	8-3/16" 6" 2" 6-5/16" 1-11/16" 7/8" 7-11/16" 3-15/16" 1" 9-11/16" 5-3/4" * 11-5/8" 5-3/4" * 9-5/8" 3-15/16" 1" 1-5/8" 7" 4" 4-1/2" 4-9/16" * 4-3/4" 4-3/4" *	8-3/16" 6" 2" 9/16" 6-5/16" 1-11/16" 7/8" - 7-11/16" 3-15/16" 1" - 9-11/16" 5-3/4" * - 11-5/8" 5-3/4" * - 9-5/8" 3-15/16" 1" - 1-5/8" 7" 4" - 4-1/2" 4-9/16" * - 4-3/4" 4-3/4" * - 5-1/8" 3-7/8" 1-1/8" -	8-3/16"     6"     2"     9/16"     208       6-5/16"     1-11/16"     7/8"     -     160       7-11/16"     3-15/16"     1"     -     195       9-11/16"     5-3/4"     *     -     246       11-5/8"     5-3/4"     *     -     295       9-5/8"     3-15/16"     1"     -     245       1-5/8"     7"     4"     -     41       4-1/2"     4-9/16"     *     -     115       4-3/4"     4-3/4"     *     -     121       5-1/8"     3-7/8"     1-1/8"     -     130	8-3/16"         6"         2"         9/16"         208         153           6-5/16"         1-11/16"         7/8"         -         160         43           7-11/16"         3-15/16"         1"         -         195         100           9-11/16"         5-3/4"         *         -         246         146           11-5/8"         5-3/4"         *         -         295         146           9-5/8"         3-15/16"         1"         -         245         100           1-5/8"         7"         4"         -         41         178           4-1/2"         4-9/16"         *         -         115         116           4-3/4"         4-3/4"         *         -         121         121           5-1/8"         3-7/8"         1-1/8"         -         130         98	8-3/16"         6"         2"         9/16"         208         153         50.5           6-5/16"         1-11/16"         7/8"         -         160         43         22.5           7-11/16"         3-15/16"         1"         -         195         100         25           9-11/16"         5-3/4"         *         -         246         146         *           11-5/8"         5-3/4"         *         -         295         146         *           9-5/8"         3-15/16"         1"         -         245         100         25           1-5/8"         7"         4"         -         41         178         102           4-1/2"         4-9/16"         *         -         115         116         *           4-3/4"         4-3/4"         *         -         121         121         *           5-1/8"         3-7/8"         1-1/8"         -         130         98         28.5

#### **Specifications**

Power Source 24V DC – use two PS-2420ULs

Communication Hands-free (VOX) or push-to-talk (simplex)

Video Display 3-1/2" color LCD

Camera Type: 1/4" color CCD

View Area: 2'1" vert. x 3'1" horiz. at 20"

Door Release Programmable dry contact, 24V AC/DC, 500mA -

use EL-12S (use RY-24L for larger contact rating)

Wire Type Between Door / Sub Station, Master Station,

and Central Exchange Unit: CAT-5e

Power Supply to Central Exchange Unit and Add-On Central Exchange Unit:

2-cond., overall shield – use Aiphone 821802

Distance Door/Sub Station to Central Exchange Unit and Add-On Central Exchange Unit: 980'

Central Exchange Unit to Master: 980'

Central Exchange Unit to Add-On Central Exchange Unit: 16'

Power Supply to Central Exchange Unit and Add-On Central Exchange Unit: 16'(22AWG) 33'(18AWG)

#### **Door Station Features**

- Fixed camera provides clear visitor identification (video door stations)
- · Card access door stations available

#### **Master Station Features**

- · Masters available with 3.5" color LCD screen
- · Hands-free or push-to-talk communication
- · Two talk channels
- · Composite video output from CEU/video masters
- · All Call or Group Call to master stations
- · Scan monitoring

#### **System Features**

- Up to 8 masters and 120 doors/subs/adaptors
- · CAT-5e wiring homerun from each station

- · Selective calling between masters, and from masters to door/sub stations
- Normal or priority call levels
- Data output on CEU provides custom integration capability with CCTV and access control systems\*
- · PC programmable with a large variety of settings
- Transfer calls to an outside phone line (requires Viking Model K-1900-5 programmable dialer)
- · Optional features: headset. footswitch, call transfer to telephone, and PC remote control\*
- \* Interface requires custom software (not supplied by Aiphone)

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