AIPHONE®

IS Series
IP Video Intercom

Building Communication. Controlling Security.

IS Series helps save money

Control multiple functions from any location. For instance, when one building closes for the night, security can be managed from another location. School districts, businesses, and multi-building facilities can improve efficiency and decrease costs with centralized security and communication. The IS Series provides a wide array of features to meet the needs of a variety of customers. Control the IS System from anywhere on the network.

170º camera view! No blindspots!

Identify Visitors and Unlock Doors

Once visitor identity is established, unlock doors or gates from anywhere on the network.

Internal Communication

Communicate easily between stations on the network, from within a building, or from across town.

Broadcast Emergencies

Create areas and zones to easily broadcast emergency announcements quickly.

Schedule Bells & Announcements

Program announcements by day, week, or month. Create different schedules for holidays, breaks, or after hours.

Forward Missed Calls Automatically

If a master station is not answered, have the call forwarded to another master station as well as to an outside phone number, like 911.

Start Small, Grow Large

IP Boxed Sets are a great introduction to the IS Series. Each box contains an IP addressable door station and either an IP addressable desktop master station or software master station. Easily expand by adding more boxed sets or by integrating with a hardwired IS System.

IS Series Solutions

Schools • Office Buildings
Campuses • Garages
Public Utilities • Hospitals

Door Stations

Entrances

Protect staff by giving them the advantage to safely confirm the identity of visitors before unlocking the entrance with door release.

PC Master Stations

Reception

Increase staff efficiency by controlling various entrances from a central location. Easily transfer responsibilities to another location or individual.

Master Stations

Internal Communication

Communicate between offices from within a building or with an office across town. Internally communicate using a standard or PC master station.

Subs & PA Systems

Rooms & Common Areas

Broadcast messages throughout the building or to a specified room or office with the choice of either a hands-free or handset reply.

Rescue Assistance

Open Areas

Provide campus wide peace of mind by installing assistance or emergency towers. Assess situations before dispatching personnel.

Remote Stations

Parking Garages

Identify and communicate with individuals at remote locations to determine if their access into the building is legitimate.

Scale the System!

The IS Series is the perfect system for any building size. Configurations can be simple to accommodate 1 door station and 1 master station and can grow to a larger system to include stations around the world.

Go Wireless!

Connect IP Direct stations to a wireless link for mesh networking capabilities.
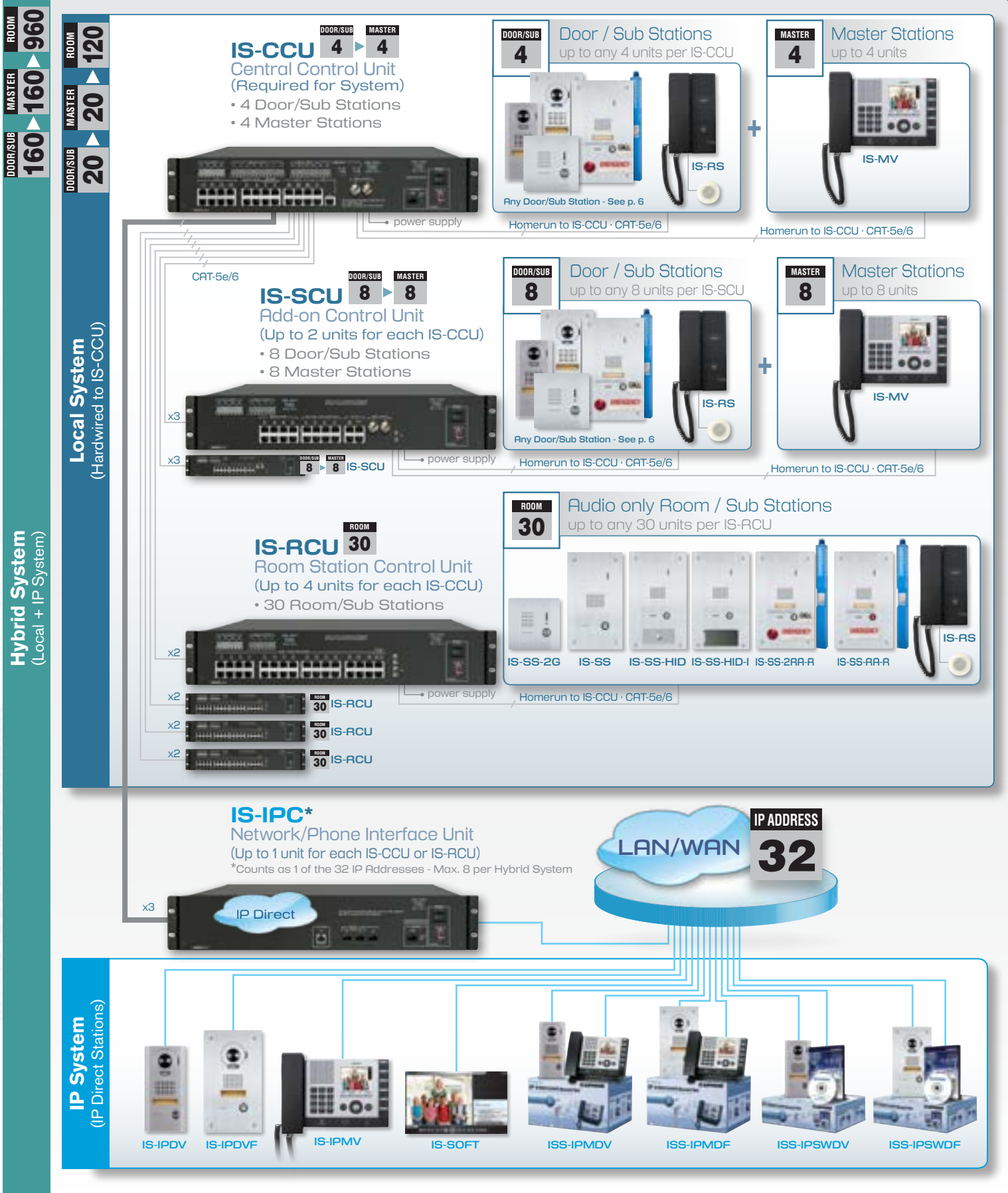
Zoom for clarity!

Digital Zoom with PanTilt control allows for clear identification.

IS Series Sample System Layout

Diagram is for illustrative purposes only. System wiring may vary by installation. Refer to instructions for actual installation directions.

Hybrid System (Local + IP System)

ROOM	MASTER	DOOR/SUB
960	160	160

Local System (Hardwired to IS-CCU)

ROOM	MASTER	DOOR/SUB
120	20	20

IS-CCU   DOOR/SUB **4** ▶ MASTER **4**
Central Control Unit
(Required for System)
- 4 Door/Sub Stations
- 4 Master Stations

DOOR/SUB 4 Door / Sub Stations
up to any 4 units per IS-CCU

IS-RS

Any Door/Sub Station - See p. 6

MASTER 4 Master Stations
up to 4 units

IS-MV

power supply

Homerun to IS-CCU · CAT-5e/6

Homerun to IS-CCU · CAT-5e/6

CAT-5e/6

IS-SCU   DOOR/SUB **8** ▶ MASTER **8**
Add-on Control Unit
(Up to 2 units for each IS-CCU)
- 8 Door/Sub Stations
- 8 Master Stations

x3

x3   DOOR/SUB **8** ▶ MASTER **8** IS-SCU

DOOR/SUB 8 Door / Sub Stations
up to any 8 units per IS-SCU

IS-RS

Any Door/Sub Station - See p. 6

MASTER 8 Master Stations
up to 8 units

IS-MV

power supply

Homerun to IS-CCU · CAT-5e/6

Homerun to IS-CCU · CAT-5e/6

IS-RCU   ROOM **30**
Room Station Control Unit
(Up to 4 units for each IS-CCU)
- 30 Room/Sub Stations

x2

x2   ROOM **30** IS-RCU
x2   ROOM **30** IS-RCU
x2   ROOM **30** IS-RCU

ROOM 30 Audio only Room / Sub Stations
up to any 30 units per IS-RCU

IS-SS-2G   IS-SS   IS-SS-HID   IS-SS-HID-I   IS-SS-2RA-R   IS-SS-RA-R   IS-RS

power supply

Homerun to IS-CCU · CAT-5e/6

IS-IPC*
Network/Phone Interface Unit
(Up to 1 unit for each IS-CCU or IS-RCU)
*Counts as 1 of the 32 IP Addresses - Max. 8 per Hybrid System

x3   IP Direct

LAN/WAN   **IP ADDRESS 32**

IP System (IP Direct Stations)

IS-IPDV   IS-IPDVF   IS-IPMV   IS-SOFT   ISS-IPMDV   ISS-IPMDF   ISS-IPSWDV   ISS-IPSWDF

Global System
(32 Hybrid Systems + 24 IP Addresses)

DOOR/SUB	MASTER	ROOM
5,120 ▶	5,120 ▶	30,720

IS Series System Feature Chart

Application	Feature	Local System Hardwired to IS-CCU	IP System IP Direct Stations	Hybrid System Local + IP Systems
Gates and Door Entries	Distances up to 980'	✓		✓
	Distances greater than 980'		✓	✓
	Call Queueing	✓		✓
	Text Messaging Notification		✓	✓
	Video Out (1Vpp)	✓		✓
Parking Structures	Emergency - ADA Compliant Stations	✓		✓
	Sleek Emergency Wall Boxes with Beacon Light	✓		✓
	Call Forwarding to a telephone line	✓		✓
Schools	Classroom Station with Speaker Output	✓		✓
	Page/Bell Schedule Programming	✓		✓
	Multi-school Integration			✓
Offices	Paging via External Amplifier	✓		✓
	Paging Through Units	✓	✓	✓
	Internal Call Forwarding	✓	✓	✓
Multi-Building Offices	Central Station Controlled Door Entry		✓	✓
	Internal Call Forwarding	✓	✓	✓
	Multi-zone Paging via External Amplifier	✓		✓
	Bell Schedule/Shift Change Programming	✓		✓
Corporate Campuses	Emergency - ADA Compliant Stations	✓		✓
	Sectional Emergency Towers	✓		✓
	Centrally Controlled Door Entry		✓	✓
Hospitals	Department Specific Door Entry		✓	✓
	After Hours Door Entry		✓	✓
	Emergency - ADA Compliant Stations			✓

Integrating IS-IPCs with IP Direct Stations

IP Devices*	Total # per Local System			Total # per Global System
IS-IPC	1	4	8	256
IS-IPMV				
IS-IPDV				
IS-IPDVF	31	28	24	768
IS-SOFT**				

Station count when only using IP Direct Stations

IP Devices*	Maximum # per Local System	Maximum # per Global System
IS-IPC	-	-
IS-IPMV		
IS-IPDV		
IS-IPDVF	32	1,024
IS-SOFT**		

* Total number of IP devices cannot exceed 32 units per Local Networked System (Local Site) and 1,024 per Global System.

** IS-SOFT must be paired with at least one IS Series IP hardware unit (IS-IPC on a Local Hardwired System, IS-IPMV, IS-IPDV, or IS-IPDVF)

IS Series Components

Audio + Video Door / Sub Stations

Homerun stations to Control Units (**IS-CCU** or **IS-SCU**) via CAT-5e / 6

Form C contact for door release

IS-DV
Door Station
- PTZ camera
- Aluminum die cast
- Surface mount
- Use optional IS-MB* for mullion mounting

IS-DVF
Door Station
- PTZ camera
- Stainless steel
- Flush mount
- Mounting box included
- Use optional SBX-ISDVF* for surface mounting

IS-DVF-HID
Card Access Door Station
- Same as IS-DVF
- HID® ProxPoint® Plus proximity card reader
- Use optional SBX-ISDVFP* for surface mounting

IS-DVF-HID-I
Card Access Door Station
- Same as IS-DVF
- HID® iClass® smart card reader
- Use optional SBX-ISDVFP* for surface mounting

IS-SS-CI
Door Station
- CCTV input
- Stainless steel
- Flush mount
- Mounting box included
- Use optional SBX-ISDVFRA* for surface mounting

CCTV

Audio Only Door / Sub Stations

Homerun stations to Control Units (**IS-CCU**, **IS-SCU**, or **IS-RCU**) via CAT-5e / 6

Form C contact for door release

IS-SS-2G
Door / Sub Station
- Stainless steel
- Flush mount
- Fits standard 2-gang box
- Use optional SBX-2G* for surface mounting

IS-SS
Door / Sub Station
- Stainless steel
- Flush mount
- Mounting box included
- Use optional SBX-ISDVF* for surface mounting

IS-SS-HID
Card Access Door Station
- Same as IS-SS
- HID® ProxPoint® Plus proximity card reader
- Use optional SBX-ISDVFP* for surface mounting

IS-SS-HID-I
Access Door Station
- Same as IS-SS
- HID® iCLASS® smart card reader
- Use optional SBX-ISDVFP* for surface mounting

Rescue Assistance Sub Stations

Homerun stations to Control Units (see below for specific control units) via CAT-5e / 6 - Fiber Optic adapter available for longer distances

Wall Boxes**
Narrow 4" depth meets ADA wall mounting requirements
- 12 Gauge stainless steel

Modular Towers**
Provides lower freight and installation costs
- 1/4" steel body
- Approximately 90lbs per module
- Zinc treated inside & out
- Use IS-IFB* interface box for mounting IS Series RA stations to existing Code Blue® or Talk-A-Phone® Towers or Wall boxes

*For more information on this product, visit www.aiphone.com

**Strobe lights require additional power supply (PS-2420UL*)

IS-DVF-2RA
ADA Compliant
Audio + Video RA Station
- PTZ camera
- Lettering & Braille signage
- LED call status indicator
- Dual call buttons
- 2 form C relay outputs
- Stainless steel
- Flush mount
- Mounting box included
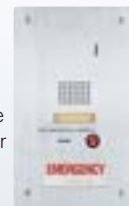- Homerun to IS-CCU or IS-SCU only

IS-SS-2RA
ADA Compliant
Audio Only RA Station
- CCTV input
- Lettering & Braille signage
- LED call status indicator
- Dual call buttons
- 2 form C relay outputs
- Stainless steel
- Flush mount
- Mounting box included
- Homerun to IS-CCU or IS-SCU only

IS-SS-2RA-R
ADA Compliant
Audio Only RA Station
- Lettering & Braille signage
- LED call status indicator
- Dual call buttons
- 2 form C relay outputs
- Stainless steel
- Flush mount
- Mounting box included
- Homerun to IS-CCU, IS-SCU, or IS-RCU

IS-SS-RA
ADA Compliant
Audio Only RA Station
- CCTV input
- Lettering & Braille signage
- LED call status indicator
- Single call button
- 2 form C relay outputs
- Stainless steel
- Flush mount
- Mounting box included
- Homerun to IS-CCU or IS-SCU only

IS-SS-RA-R
ADA Compliant
Audio Only RA Station
- Lettering & Braille signage
- LED call status indicator
- Single call button
- 2 form C relay outputs
- Stainless steel
- Flush mount
- Mounting box included
- Homerun to IS-CCU, IS-SCU, or IS-RCU

Room Sub Station

IS-RS
Indoor Audio Only
Room Sub Station
- Handset or hands-free
- 8Ω, 0.5W output to speaker
- Input for Emergency Call Button

SP-2570N
Ceiling Speaker
- 8Ω, 25/70V, 4W
- Flush mount

Master Station

IS-MV
Audio + Video Master Station
- 3.5" LCD display
- Handset or hands-free
- Door release
- Composite video out
- Desk stand included
(also wall mountable)

Control Units

Interconnect Control Units using CAT-5e / 6

IS-CCU
Central Control Unit
Accommodates:
- 4 Door / Sub Stations
- 4 Master Stations
- 2 IS-SCU's
- 4 IS-RCU's
- 1 IS-IPC

IS-SCU
Add-on Control Unit
- Connects to IS-CCU
  (up to 2 units per IS-CCU)
Accommodates:
- 8 Door / Sub Stations
- 8 Master Stations

IS-RCU
Room / Sub Control Unit
- Connects to IS-CCU
  (up to 4 units per IS-CCU)
- Can be used alone in an audio only system *(IS-MV can be used as an audio only master station)*
Accommodates:
- 30 Audio Only Room / Sub Stations
- 1 IS-IPC

Network / Phone Interface Control Unit

Connect directly to a network

IP Addressable

IS-IPC
Network / Phone Interface Unit
- Brings all stations connected to an IS-CCU or IS-RCU onto a network
- Allows IS Series to interface with PBX systems
- 1 IS-IPC per IS-CCU or IS-RCU *(up to 8 IS-IPCs per system)*

Accessories

IS-PU-UL
Power Supply
- 48V DC, 2A - UL Listed
- Required for every one IS-CCU, IS-SCU, IS-RCU, or IS-IPC
- Use IS-RACK* to rack mount IS-PU-UL *(For up to 3 power supplies)*

PS-2420UL
Power Supply
- 24V DC, 2A - UL Listed
- Optional for every one IS-IPDV, IS-IPDVF, or IS-IPMV
- Required for tower / wall box strobe lights and IS-HTR

IS-HTR
Heater Plate
- Can be mounted to the back of any exterior door / sub station *(excluding IS-SS-2G)*
- Lowers temperature rating to -40°C/F
- Inset thermostat turns heater on/off
- Requires PS-2420UL power supply

IP Direct Stations

Connect stations directly to a network

IP Addressable

IS-IPDV
IP Direct Door Station
- PTZ camera
- Aluminum die cast
- PoE - 802.3af or use PS-2420UL* *(sold separately)*
- Surface mount
- Use optional IS-MB* for mullion mounting

IS-IPDVF
IP Direct Door Station
- PTZ camera
- Stainless steel
- PoE - 802.3af or use PS-2420UL* *(sold separately)*
- Flush mount
- Mounting box included
- Use optional SBX-ISDVF* for surface mounting

IS-IPMV
IP Direct Audio / Video Master Station
- 3.5" LCD display
- Handset or hands-free
- Door release
- PoE - 802.3af or use PS-2420UL* *(sold separately)*
- Desk stand included *(also wall mountable)*

IS-SOFT
PC Master Station Software
- Virtual master station
- Door release
- Records video to computer
- One IS-SOFT per PC
- Compatible with Windows® XP, Windows Vista®, or Windows® 7

IP Direct Boxed Sets

Connect stations directly to a network

IP Addressable

ISS-IPMDV
Boxed Kit
- Includes:
  [1] IS-IPDV
  [1] IS-IPMV

ISS-IPMDF
Boxed Kit
- Includes:
  [1] IS-IPDVF
  [1] IS-IPMV

ISS-IPSWDV
Boxed Kit
- Includes:
  [1] IS-IPDV
  [1] IS-SOFT

ISS-IPSWDF
Boxed Kit
- Includes:
  [1] IS-IPDVF
  [1] IS-SOFT

IS Series IP Security Intercom

Specifications

Power Source	IS-CCU / IS-SCU / IS-RCU / IS-IPC: 48V DC - Use IS-PU-UL IS-IPDV / IS-IPDVF / IS-IPMV: 24V DC - Use PS-2420UL or Power Over Ethernet (802.3af)
Network Interface	10 BASE-T / 100 BASE-TX Ethernet
Hardware Protocols	TCP, UDP, IGMP (Multicast)
Bandwidth	320Kbps to 8Mbps
Software	Processor 2GHz or faster, 1GB of RAM, Windows® XP, Windows Vista® (32/64 bit), Windows® 7
Connections	RJ-45 (10/100Mbit Ethernet)
Calling	Chime, image, and audio approx. 45 sec.
Communication	AUTOMATIC (hands-free): to activate, momentarily push TALK button MANUAL (push-to-talk / release-to-listen): to activate, push TALK button for at least 1 sec. or until talk LED turns on / a beep sounds
Video Monitor	3-1/2" direct-view TFT color LCD
Min. Illumination	5 Lux at 1' distance
Night Viewing	Up to 1' from camera, with white LED projected
Door Release	Contact rating: 24V AC/DC, 500mA - Use RY-24L for larger contact rating (requires 24V DC power supply)
Wiring	CAT-5e / 6
Distances	Variable - Refer to IS Series Wiring Distances chart

IS Series Wiring Distances	CAT-5e / 6 wire
All stations on p. 6 to IS-CCU / IS-SCU / IS-RCU	980'
IS-MV to IS-CCU / IS-SCU	980'
IS-RS to IS-CCU / IS-SCU / IS-RCU	490'
IS-SCU to IS-CCU using 3 CAT-5e / 6 cables	650'
IS-RCU to IS-CCU using 2 CAT-5e / 6 cables	650'
IS-IPC to IS-CCU using 3 CAT-5e / 6 cables	33'
IS-IPC to IS-RCU using 2 CAT-5e / 6 cables	33'
IS-IPC to network node	330'

Sales tools available for Aiphone Accounts and Non-Accounts

FREE PRODUCT DEMO, TRAINING, or BUDDY CALLS

- Perfect for Counter Days or Lunch & Learns
- Our experts will come to you - with product
- Available for your staff or your customers

FREE END USER BROCHURES

- Easily demonstrates value of the IS Series
- Add to bids and proposals
- Digital and hard copies available

IS Series
End User Brochure
#95221

School Market
End User Brochure
#99579

Commercial Market
End User Brochure
#99586

ONLINE NTS CEU COURSES AVAILABLE

Our *IS Series for Sales Professionals* course shows how the IS Series can strengthen building security in every marketplace, including educational, commercial, and healthcare. The *IS Series for Technicians* course demonstrates how to install an IS Series system and details the different system components. **www.aiphonetraining.com**