

LOS ANGELES FIRE DEPARTMENT



BRIAN L. CUMMINGS
FIRE CHIEF

May 7, 2012

BOARD OF FIRE COMMISSIONERS
FILE NO. 12-079

TO: Board of Fire Commissioners

FROM: Brian L. Cummings, Fire Chief

SUBJECT: REQUEST FOR VIDEO INTERCOM SECURITY SYSTEM (18TH FLOOR)

FINAL ACTION:	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Corrections	<input type="checkbox"/> Withdrawn
	<input type="checkbox"/> Denied	<input type="checkbox"/> Received & Filed	<input type="checkbox"/> Other

Recommendations: That the Board:

Accept and approve the recommendations of staff to authorize the funding from the Operating Supplies Account for the video intercom security system for the Administrative Office, City Hall East, Room 1800.

Summary:

Security concerns are playing a prominent role in daily life and improved video surveillance has become a priority. Members assigned to the Administrative Offices of the 18th Floor, City Hall East, are responsible for assisting, directing, and identifying visitors and employees who come to visit the Fire Department on a daily basis. An effective video security system is necessary in maintaining a secure area on the 18th Floor. Currently, both the 16th and 17th floors at City Hall East have similar intercom/video security systems that are operational today.

Findings:

The proposed system would provide one intercom security system with a door unlock feature for the Fire Chief's area. We are requesting that the intercom/video system included six desk stations, two will be audio only and four will be audio and video with an enabled door unlock feature. The two desk stations that are audio only will be located at the reception area (secure side of glass at the main entrance). The contractor for this project will be RD Systems Inc. (State Contractors License # 500075), a Los Angeles City approved contractor (City Contract # C-116410) in good standing with the City of Los Angeles (Vendor 22441). The total cost for this project is \$10,959.45, which includes parts, labor, and tax.

Fiscal Impact:

This endeavor obligates the Fire Department to expend funds for services in an amount of \$10,959.45 in FY 2011-12. The Department has identified funds for this project in the Operating Supplies, Account 006020. The project will not impact the Department's General Fund Budget.

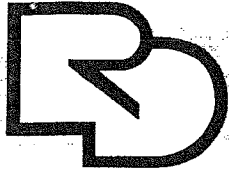
Conclusion:

As security becomes an increasingly urgent priority for governments alike, the need for video surveillance solutions has never been greater.

Approval by the Board of Fire Commissioners to release Department funds, consistent with the City's contracting policies is vital to enhance the security for all employees located on the 18th floor.

Board report prepared by the Planning Office.

Attachment



RD Systems Inc.

STATE CONTRACTORS LICENSE #500075
ALARM LICENSE # ACO 3237

Mr. Kurt Sato
LAFD
200 North Main Street
CHE 16th Floor
Los Angeles, CA 90012

April 11, 2012

Proposal # 11759

Project: Provide one intercom security system with door unlock feature for the Fire Chiefs secure area. The front door where an existing card reader is located is where a new door intercom station (surface mounted) with door unlock feature will be installed. This intercom system will include 6 desk stations (2 of which will be audio only and 4 with audio and video) each with a door unlock feature. The two desk stations that are audio only will be located at the reception area (secure side of the glass). This price includes termination into the existing access control door system (front door).

The item numbers where indicated represent the corresponding number on our city contract # C-116410, Vendor 22441.

<u>Item</u>	<u>Qty</u>	<u>Description</u>	<u>Unit Price</u>	<u>Ext. Price</u>
1	4ea.	Audio Video Master Station with Door Unlock Button - Aiphone Item 082	853.00	3,412.00
2	2ea.	Audio Only Master with Door Unlock Button - Aiphone Item 082	359.00	718.00
3	2ea.	Power Supply Item 082	112.00	224.00
4	1ea.	Central Exchange - Aiphone Item 082	1,698.00	1,698.00
5	1ea.	Door Station - Aiphone Item 082	376.00	376.00
6	2ea.	Wire Item 069	280.00	560.00
Parts Total				\$ 6,988.00
Sales Tax (8.75%)				611.45
7	42	Labor Item 76	80.00	3,360.00
Total Cost Parts, Labor, and Tax				\$ 10,959.45

Authorized Signature

Date

Funding Amount

OPS Security Technology Approval

Print Name

Funding Source / Account #

Authorized Signature

Date

Billing Address (if different than above)

Print Name

By: John Russell (949) 936-0100

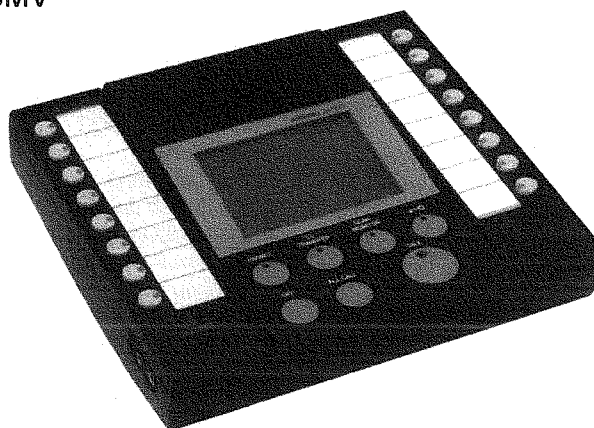
11759LAFD18thFloor.QT



3041 Edinger Avenue • Tustin, CA 92780
(949) 936-0100 • FAX (949) 936-0114 • www.rd-systems.com

AX-8MV**Audio Video Master Station for AX Series**

AX-8MV

**DESCRIPTION:**

The AX-8MV Master Station is the centerpiece of the AX Integrated Audio & Video Security system.

Each AX-8MV master station can initiate and answer calls from up to 7 additional master stations and up to 8 door or sub stations. The master can be expanded with AX-16SW add-on selectors for a maximum capacity of 120 door / sub stations. Its streamline design is mountable on a wall or desk.

When a video door station calls, a tremolo tone rings and the 3.5" color monitor comes on, displaying the image from the door station location. To answer the call, simply press the TALK button once and speak hands-free, or Press and Hold the TALK button to use as push-to-talk, release-to-listen. If access control is included, simply press the "key" button and the associated electric strike or magnetic lock will be activated.

Each master station connects via CAT-5e cable homerun to the AX Central Exchange Unit. Feature and operation variables are set with the system set-up software and uploaded to the CEU.

White version is available, model AX-8MV-W.

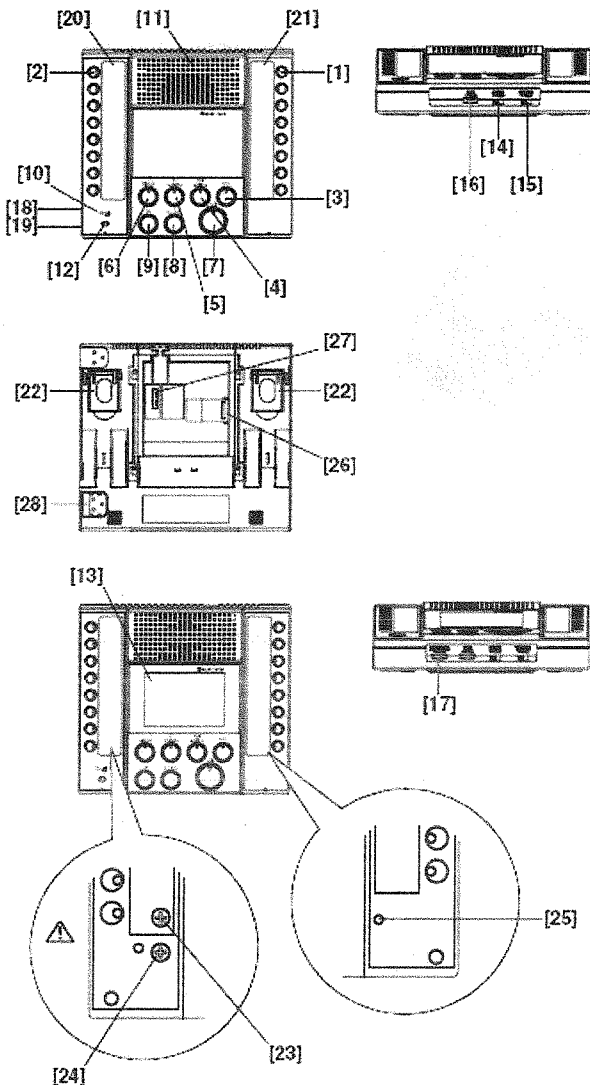
FEATURES:

- 3.5" TFT color video monitor
- 8 master station channels
- 8 door / sub station channels
- LED and call tone annunciation for programmable length or infinite call-in
- Hands-free VOX communication or Push-to-Talk
- All Call to other master stations
- Selective calling to any station in the system
- Add-on selectors in increments of 16 channels for max. capacity of 120 door / sub stations (CEU capacity also req'd)
- Privacy prevents other masters from listening in
- CO Transfer allows calls to transfer to a telephone number (Viking K-1900-5 required)
- Scan Monitor allows listening to door / sub stations in programmed time increments
- Door release button activates door strike or magnetic lock (selectable N/O or N/C contacts from CEU)
- 3.5mm speaker & mic jacks for computer-style headset or handset connection
- Tone and volume adjustments for open voice and headset communication
- Brightness and contrast adjustments for video
- Option connector for video output, call extension, or footswitch operation of TALK function

AX-8MV

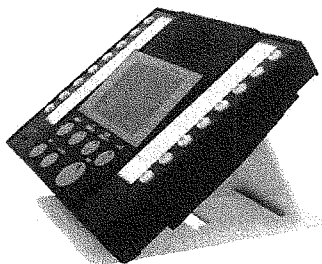
Audio Video Master Station for AX Series

FEATURE CALL-OUTS:



AX-8MV with optional desk stand:

Model MCW-S/A (adjustable to 45° or 60° angle)



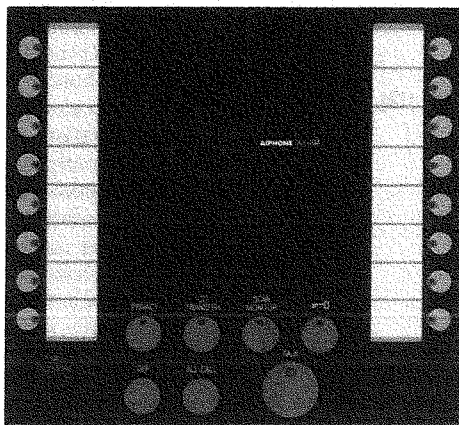
FEATURE CALL-OUT DEFINITIONS:

- [1] Door station selector button w/LED
- [2] Master station selector button w/LED
- [3] Door release button
- [4] Scan monitor button w/LED
- [5] CO transfer button w/LED
- [6] Privacy button w/LED
- [7] TALK button w/LED
- [8] ALL CALL button
- [9] OFF button (standby)
- [10] Occupied LED
- [11] Speaker
- [12] Microphone
- [13] 3.5 inch color LCD monitor
- [14] Receive volume control switch (low, med, high)
- [15] Transmit volume control switch (low, med, high)
- [16] Tone volume control
- [17] LCD brightness control
- [18] Headset receiver jack
- [19] Headset microphone jack
- [20] Master station directory card / card cover
- [21] Door station directory card / card cover
- [22] Desktop stand
- [23] Headset receiver volume control
- [24] Headset microphone volume control
- [25] Reset switch
- [26] RJ45 jack for wiring to CEU
- [27] Optional connector input
- [28] Connector for AX-16SW add-on selector

SPECIFICATIONS:

- | | |
|---------------------|--|
| Power Source: | 24V DC Supplied from CEU |
| Call Tone: | Tremolo ring tone & blinking LED |
| Communication: | Open voice hands-free
(VOX or Push-to-Talk) |
| Video Monitor: | 3-1/2" direct view TFT color LCD |
| Scanning Lines: | 525 lines |
| Video Output: | NTSC Standard 1Vpp (0.7-1.4Vpp) |
| Headset Jack: | 3.5mm mic and speaker jacks |
| Calling Capacity: | Up to 7 additional master stations
Up to 120 door / sub stations |
| Mounting: | Desk with flip-up stands, or wall
mount with provided metal bracket |
| Wall mount box: | 2-gang electrical box or ring |
| Wiring: | CAT-5e homerun to CEU |
| Wiring Connection: | RJ45 jack |
| Housing: | ABS Resin |
| Color: | Black |
| Operating Temp: | 32 - 104° F (0 ~ 40° C) |
| Dimensions (HxWxD): | 6-7/8" x 7-5/8" x 1-7/8"
(175 x 194 x 48 mm) |
| Weight: | 1.21 lbs (550g) |

AX-8M

**DESCRIPTION:**

The AX-8M is an Audio only master station and can be one of the up to 8 masters supported in the AX Integrated Audio & Video Security system.

Each AX-8M master station can initiate and answer calls from up to 7 additional master stations and up to 8 door or sub stations. The master can be expanded with AX-16SW add-on selectors for a maximum capacity of 120 door / sub stations. Its streamline design is mountable on a wall or desk.

When a door or sub station calls, a tremolo tone rings. To answer the call, simply press the TALK button once and speak hands-free, or Press and Hold the TALK button to use as push-to-talk, release-to-listen. If access control is included, simply press the "key" button and the associated electric strike or magnetic lock will be activated. The AX-8M can answer the call from any audio only or audio/video door/sub on the system.

Each master station connects via CAT-5e cable homerun to the AX Central Exchange Unit. Feature and operation variables are set with the system set-up software and uploaded to the CEU.

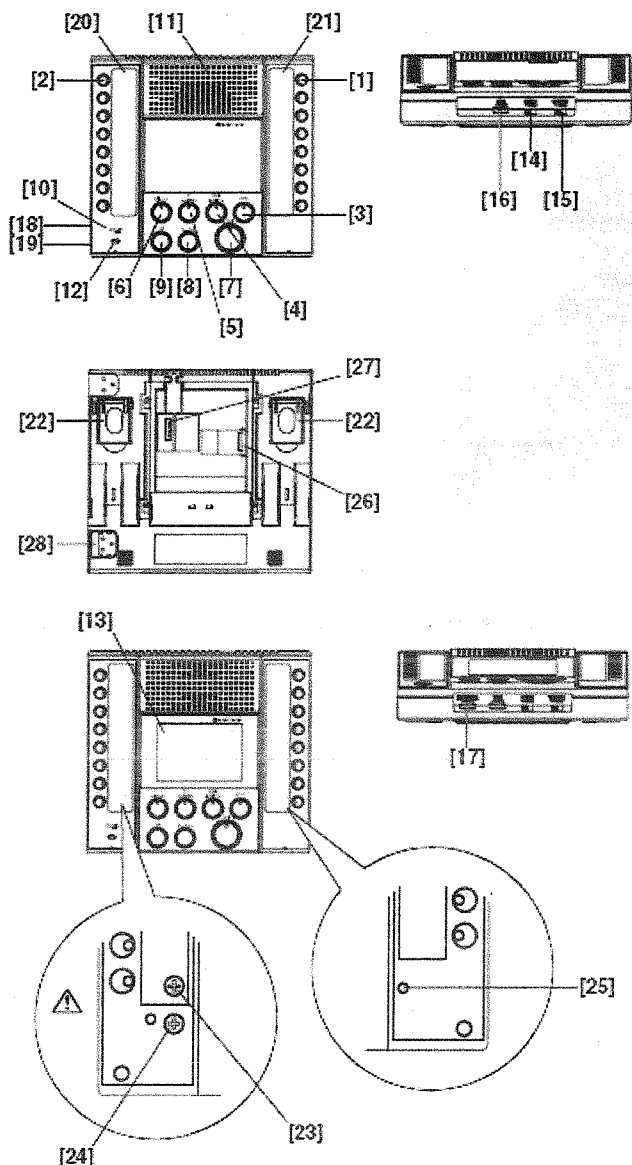
FEATURES:

- 8 master station channels
- 8 door / sub station channels
- LED and call tone annunciation for programmable length or infinite call-in
- Hands-free VOX communication or Push-to-Talk
- All Call to other master stations
- Selective calling to any station in the system
- Add-on selectors in increments of 16 channels for max. capacity of 120 door / sub stations (CEU capacity also req'd)
- Privacy prevents other masters from listening in
- CO Transfer allows calls to transfer to a telephone number (Viking K-1900-5 required)
- Scan Monitor allows listening to door / sub stations in programmed time increments
- Door release button activates door strike or magnetic lock (selectable N/O or N/C contacts from CEU)
- 3.5mm speaker & mic jacks for computer-style headset or handset connection
- Tone and volume adjustments for open voice and headset communication
- Option connector for call extension or footswitch operation of TALK function

AX-8M

Audio Master Station for AX Series

FEATURE CALL-OUTS:



FEATURE CALL-OUT DEFINITIONS:

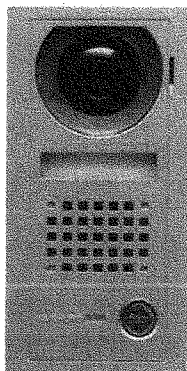
- [1] Door station selector button w/LED
- [2] Master station selector button w/LED
- [3] Door release button
- [4] Scan monitor button w/LED
- [5] CO transfer button w/LED
- [6] Privacy button w/LED
- [7] TALK button w/LED
- [8] ALL CALL button
- [9] OFF button (standby)
- [10] Occupied LED
- [11] Speaker
- [12] Microphone
- [14] Receive volume control switch (low, med, high)
- [15] Transmit volume control switch (low, med, high)
- [16] Tone volume control
- [18] Headset receiver jack
- [19] Headset microphone jack
- [20] Master station directory card / card cover
- [21] Door station directory card / card cover
- [22] Desktop stand
- [23] Headset receiver volume control
- [24] Headset microphone volume control
- [25] Reset switch
- [26] RJ45 jack for wiring to CEU
- [27] Optional connector input
- [28] Connector for AX-16SW add-on selector

SPECIFICATIONS:

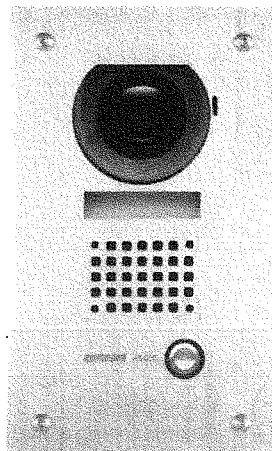
- Power Source: 24V DC Supplied from CEU
- Call Tone: Tremolo ring tone & blinking LED
- Communication: Open voice hands-free (VOX or Push-to-Talk)
- Headset Jack: 3.5mm mic and speaker jacks
- Calling Capacity: Up to 7 additional master stations
Up to 120 door / sub stations
- Mounting: Desk with flip-up stands, or wall mount with provided metal bracket
- Wall mount box: 2-gang electrical box or ring
- Wiring: CAT-5e homerun to CEU
- Wiring Connection: RJ45 jack
- Housing: ABS Resin
- Color: Black
- Operating Temp: 32 – 104° F (0 ~ 40° C)
- Dimensions (HxWxD): 6-7/8" x 7-5/8" x 1-7/8"
(175 x 194 x 48 mm)
- Weight: 1.0 lbs (450g)

AX-DV, AX-DVF Video Door Stations for AX Series

AX-DV



AX-DVF



DESCRIPTION:

The AX-DV is a surface mount color video door station for the AX Series. The AX-DVF is a flush mount color video door station. Both units wire directly to the AX Central Exchange Unit using CAT-5e wire with an RJ45 jack for connection.

The AX-DV has an aluminum die cast cover. The AX-DVF has a stainless steel faceplate. Both units include a camera, microphone, speaker, and call button. Tamper resistant screws are provided for mounting.

When the call button on the door station is pushed, the master station(s) ring and the video monitor comes on with the image from the door station's camera. The master station user then pushes the "TALK" button to initiate communication. The person at the door station speaks hands-free.

The AX door stations can be located up to 980' from the AX CEU and wired with CAT-5e cable. Additional equipment is available to interface with third party hardware for transmission over fiber optic cable or an IP network.

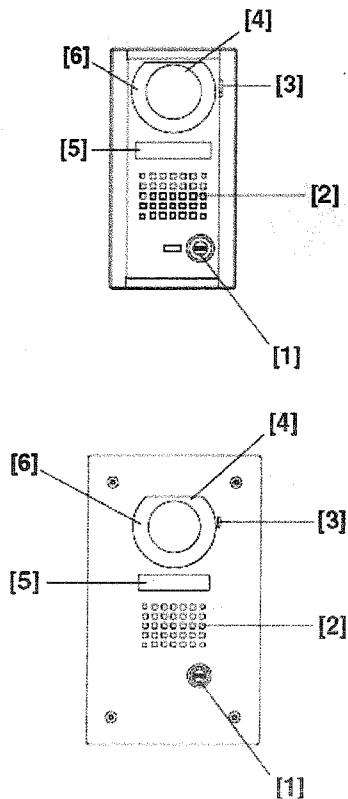
FEATURES:

- Color video camera with audio intercom
- 2-way hands-free voice communication with AX master station
- Call button to initiate call to master(s)
- White LED illuminator for low light conditions
- RJ45 jack for easy CAT-5e connection
- Surface (AX-DV) or flush mount (AX-DVF) styles available
- 980' wiring distance from CEU on CAT-5e cable

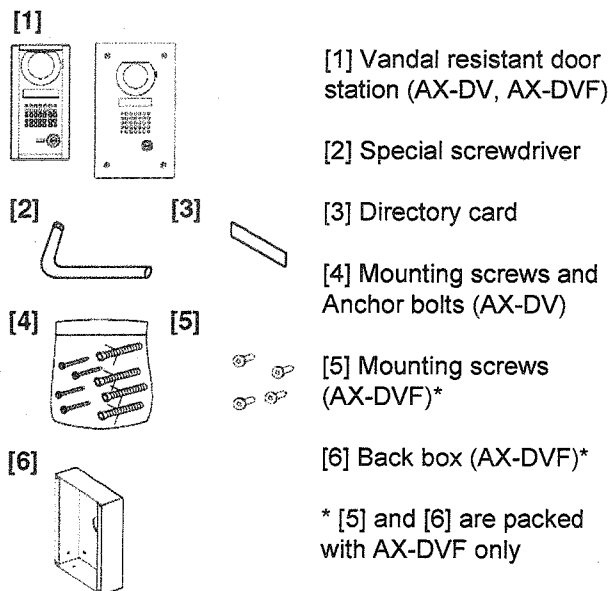
AX-DV, AX-DVF

Video Door Stations for AX Series

FEATURE CALL-OUTS:



PACKAGE CONTENTS:



FEATURE CALL-OUT DEFINITIONS:

- [1] Call Button
- [2] Speaker
- [3] Microphone
- [4] Camera
- [5] Directory Card
- [6] White LED illuminators

SPECIFICATIONS:

Power Source: 24V DC Supplied from CEU

Wiring connection: RJ45 jack (CAT-5e)

Communication: Hands-free communication (auto-voice actuated or PTT) controlled by master station

Camera: 1/4" color CCD camera

Pixels: 250,000 Pixels

Minimum illumination: 5 Lux

Operating temp: 14 – 140° F (-10 ~ 60° C)

Mounting:

AX-DV Surface wall mount
AX-DVF Flush mount (with provided box)

Housing:

AX-DV Front Panel: Aluminum die cast
Main Unit: Resins
AX-DVF Front Panel: Stainless steel
Main Unit: Resins
Back box: Steel plate

Color:

AX-DV Solid silver (metallic gray)
AX-DVF Stainless steel, brush-finished

Dimensions:

AX-DV: 7-11/16" x 3-15/16" x 1"
(195x100x25 mm)
AX-DVF: 9-11/16" x 5-3/4" x 1-7/8"
(246x146x45 mm)

Weight:
(approx.)

AX-DV: 0.88 lbs (400g)
AX-DVF: 1.45lbs (660g)