







# Let Your Camera Systems Have A Voice IP Horn Speaker





# COMBINE VIDEO & AUDIO

Combined video and audio systems automate the primary response to emergency situations and help you respond immediately with a live announcement.

Surveillance	Analyze and Detect	Manage and Record	Alert
Endpoint Device	Video Content Analysis Software	Video Management Software	IP Horn Speaker
			

Adding an audio device in your Video Management Software (VMS) is a simple three step process.

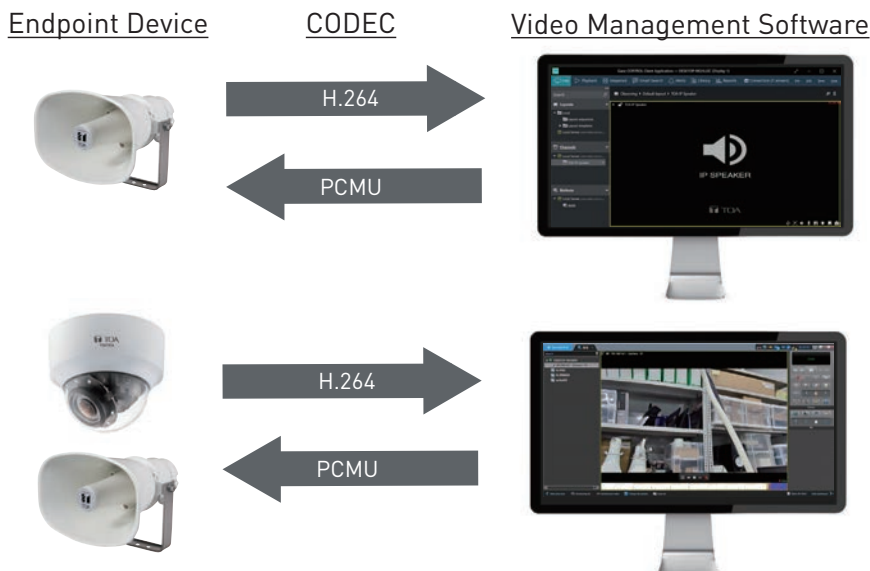
**1** Connect an IP Horn Speaker to your VMS network with a single LAN cable.



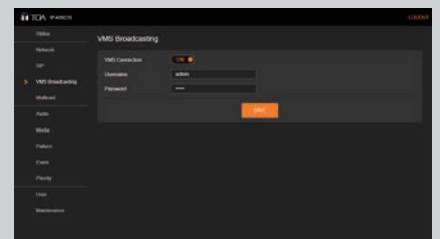
**2** Open the VMS and assign an IP address to the IP Horn Speaker.



**3** Register the IP Horn Speaker to your VMS as either a camera device or an audio device.



Easily adjust volume and set priority with intuitive web browser.



# USE YOUR FAVORITE NETWORK PROTOCOL

The IP Horn Speaker supports various industrial network protocols and has four different audio broadcasting modes. Seamlessly integrate audio endpoint devices into your go-to system.



## SIP DIRECT CALL

### Live Voice Announcement

**Audio Codec:** PCMU(G.711u) / PCMA(G.711a) / G.722  
Supports both P2P connection and SIP server connection.



## MULTICAST STREAMING

### Group Broadcasting

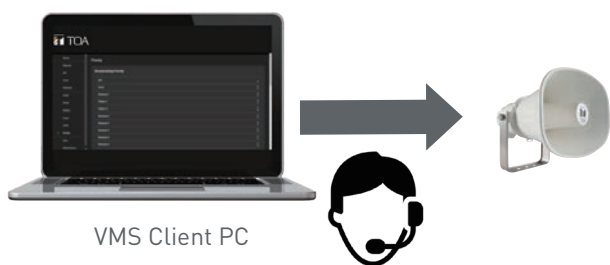
**Audio Codec:** PCMU(G.711u) / PCMA(G.711a) / G.722  
Supports up to 10 different groups.



## VMS BROADCAST

### Live Voice Announcement

**Audio Codec:** PCMU(G.711u)  
Can be connected as either camera or audio device.



## REMOTE API

### Audio Playback

**Audio File Format:** WAV / MP3 file  
· Playback and repeat up to 20 sound sources  
· Up to 30 MB per file and up to 80 MB total

Video Management Systems



HTTP Command



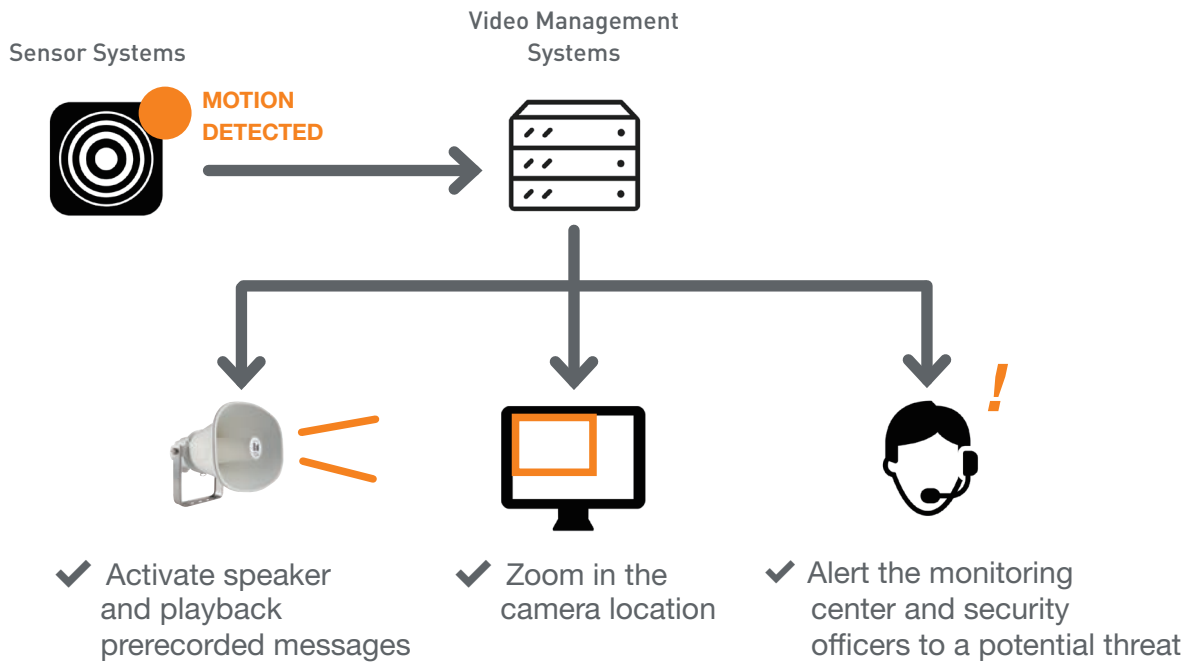
Contact Input

Sensor Systems

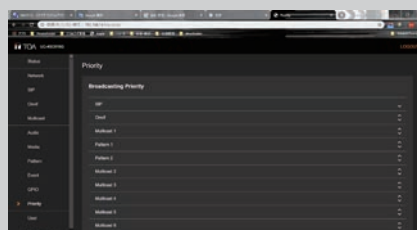


# FLEXIBLE AUDIO PRIORITY MANAGEMENT

Prioritize network announcement and prerecorded messages over SIP or common protocols for IP cameras with intuitive browser software. This will allow you to take swift actions in emergency situations.



1. Start playing back a prerecorded warning message and alert security officer.
2. Security officer can switch to SIP call and start live announcements immediately after confirming the situations.



# OPTIMIZE SOUND VOLUME

The IP Horn Speaker offers fine volume control using Remote API which allows volume adjustments for different listening environments.



5:00 AM

11:00 AM

9:00 PM



Offset Volume Adjustment Function allows you to increase or decrease sound volume and set volume level by time of day.

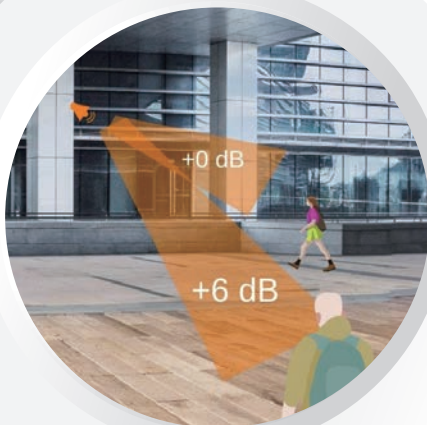


Offset Volume

Master Volume

## Other applications

Regulating sound pressure level to adapt for varied distances is no longer an issue.

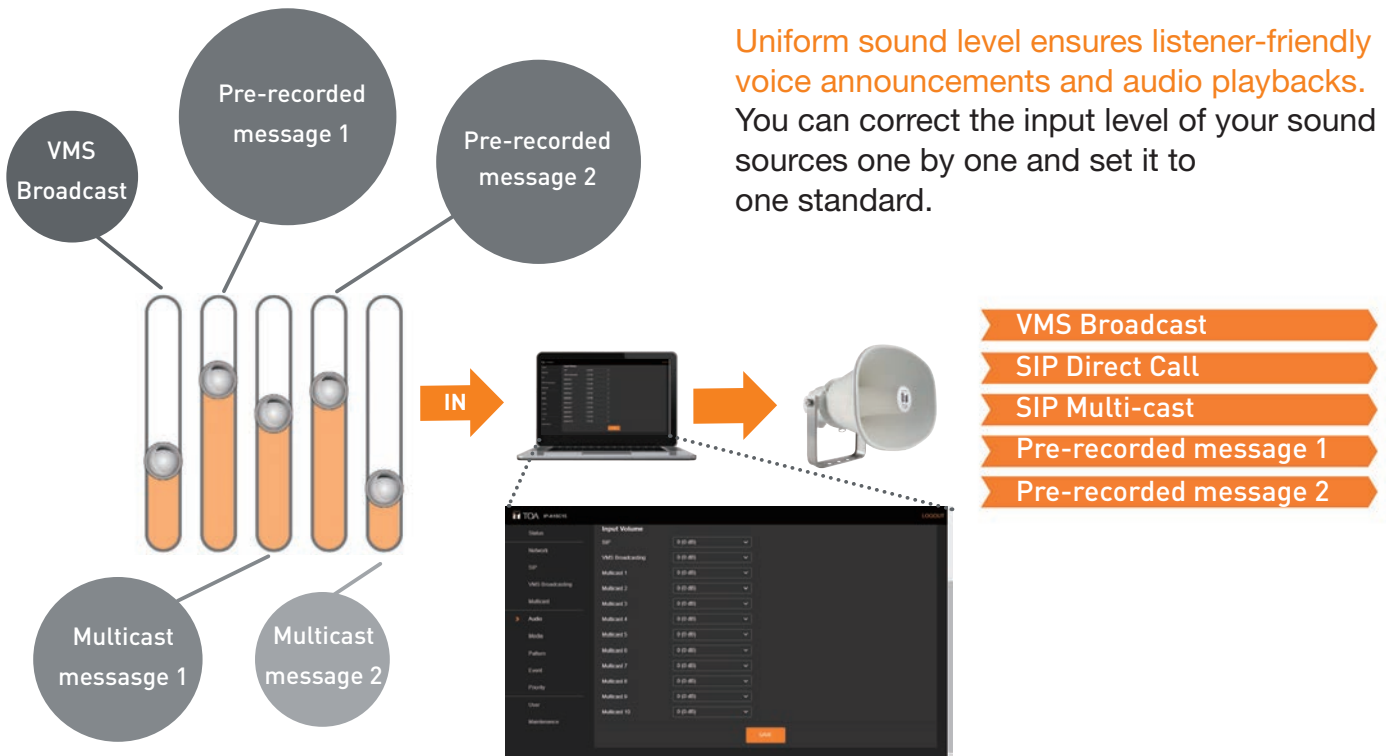


Keep people safe with loud and clear voice announcements.

# KEY FEATURES

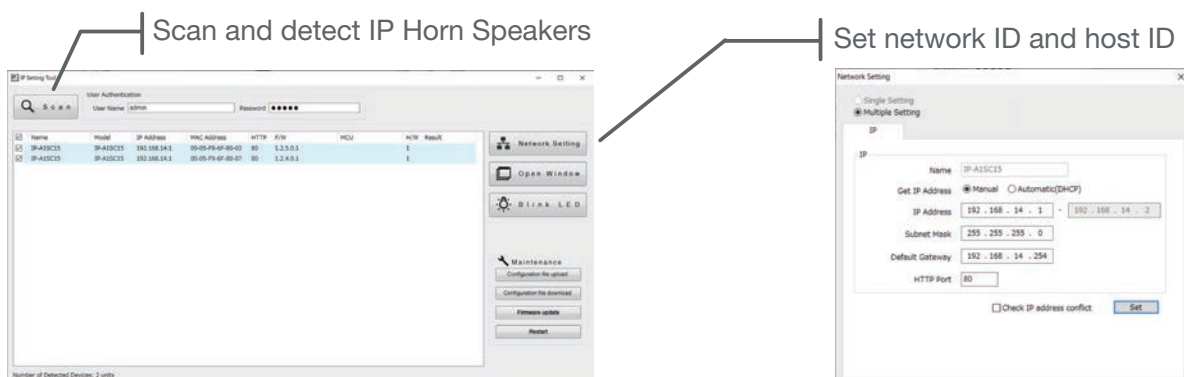
- Maximum sound pressure level is **124 dB** at **15 W** powered with PoE+
- Operating temperature is **-30°C to +55°C (-22°F to +131°F)**
- Up to **20 sound sources** can be pre-recorded
- Individual volume level adjustment for each audio source

Uniform sound level ensures listener-friendly voice announcements and audio playbacks. You can correct the input level of your sound sources one by one and set it to one standard.



## IP SETTING TOOL

The IP Setting Tool allows you to assign IP addresses to all IP Horn Speakers at once. Once you set the network ID and host ID for the first one, it will automatically assign IP addresses for the remaining devices one at a time.



# SPECIFICATIONS

Power Source	PoE+ (IEEE802.3at Class 4), PoE (IEEE802.3af Class 3)
Power Consumption	22 W (at PoE+ powered, rated output) 13 W (at PoE powered, rated output) 5 W (IEC62368-1)
Amplifier Rated Output	15 W (at PoE+ powered), 8 W (at PoE powered)
Sensitivity	112 dB (1 W, 1 m) (500 Hz - 2.5 kHz, peak level)
Maximum Sound Pressure Level	124 dB (at PoE+ powered, 15 W, 1 m) (500 Hz - 2.5 kHz, peak level) 121 dB (at PoE powered, 8 W, 1 m) (500 Hz - 2.5 kHz, peak level)
Frequency Response	280 Hz - 12.5 kHz
Audio Codec	PCMU (G.711u), PCMA (G.711a), G.722
Broadcasting Mode	SIP Broadcasting Mode: PCMU/PCMA/G.722 Multicast Broadcasting Mode: PCMU/PCMA/G.722, Max.10 ports VMS Broadcasting Mode: Audio Backchannel, PCMU Internal Message Broadcasting Mode <b>Note:</b> Each broadcast mode can be assigned an order of priority using the Priority Setting function.
Internal Messages	Max. 20 messages (Max. recording capacity: 80 MB) Supported file formats WAV file: 8/16/44.1/48 kHz sampling frequency, 8/16 bit, monoaural/stereo MP3 file: 32/44.1/48 kHz sampling frequency, 64 - 320 kbps, CBR/VBR, monoaural/stereo Repeat count: 1 - 10 times Interval time: 0 - 30 sec Trigger: Control Input or Remote API (HTTP)
Network I/F	100BASE-TX, MDI/MDI-X, RJ-45
Network Protocol	TCP/IP, UDP, HTTP, RTP, ARP, ICMP, RTSP, SIP (RFC3261)
Control Input	2 channels, no-voltage make contact inputs, open voltage: 5 V DC, short-circuit current: 2 mA or less, removable terminal block (3 pins)
Control Output	1 channel, open collector output, withstand voltage: 30 V DC, control current: 10 mA or less, removable terminal block (3 pins)
Indicator	LAN LINK/ACT (green), STATUS (orange)
Dust/Water Protection	IP66
Operating Temperature	-30 °C to +55 °C (-22 °F to +131 °F)
Operating Humidity	90 % RH or less (no condensation)
Finish	Horn flare and body: Aluminum, off-white (RAL 9010 equivalent), paint Reflector horn: ABS resin, off-white (RAL 9010 equivalent) Rear cover: PC resin, off-white (RAL 9010 equivalent), paint Bracket, screws and bolts: Stainless steel
Dimensions	222 (W) X 211 (H) X 276 (D) mm (8.74" X 8.31" X 10.87")
Weight	1.4 kg (3.09 lb)
Accessory	Rear cover ...1, Removable terminal plug (3 pins) ...2
Option	Speaker mount bracket: SP-131, SP-201, SP-301 Pole band: YS-60B

## Personal Computer Requirements

OS	Windows* 10 Pro (64 bit) Windows* 10 Home (64 bit)
Web Browser	Google Chrome** Microsoft Edge*

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\*\* Google Chrome is the trademark of Google LLC in the United States and other countries.

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Specifications are subject to change without notice. (2008) 833-61-100-59-00