

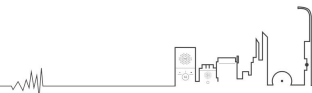
TS-915E

Outdoor Directional Surveillance Microphone



MAIN FUNCTIONS

1. Adaptive dynamic noise reduction processing, effectively reducing background and environmental noise.
2. Built-in DSP digital signal processor to ensure high-definition output.
3. All-directional capacitance microphone, high fidelity, high sensitivity and low noise;
4. Built-in automatic AGC circuit to eliminate the difference between long and short distances, make the sound output amplitude more balanced, and the sound playback effect is smoother and more comfortable;
5. Integrated professional SMT audio processor, which can directly drive active speakers, hard disk video recorders, network cameras, etc.;
6. Ultra-long sound pickup, long transmission distance, strong anti-interference ability, and convenient wiring;
7. The sound volume of the device can be adjusted according to the on-site environment;
8. Built-in module of lightning strike protection ,ESD protection and Power polarity reversal
9. Support two power supply modes: power adapter and POE
10. Support binding specific IPC model to realize audio and video synchronization;
11. Support voice alarm, the IP sound pick-up microphone can trigger the alarm by identifying specific keywords or abnormal sounds, and report the alarm information to the server platform.
12. Webpage includes parameter configuration , video bind , firmware upgrade ect.
13. Simultaneously user can listen the recording audio file , checking the running status and system information of the device.



SPECIFICATION

Power Parameters

Power Supply: POE IEEE 802.3at/af or DC 10V-30V or AC 10V-30V

Audio Parameters

Sound Pickup Range: 1-20M (Adjustable)

Directivity: Unidirectional

S/N (Signal-to-Noise) Ratio: 90dB@1KHz

Sensitivity: -35dB

Dynamic Range: 100dB (@1KHz)

Signal Output Level: 1Vrms (@1KHz) / 2.8Vpp (@1KHz)

Output Impedance: 600~1000Ω Unbalanced

Frequency Response: 20Hz~20KHz

Network Parameters

Network I/F: 10BASE-T/100BASE-TX RJ45

Network Protocol: HTTP, RTP, TCP/IP, UDP, ARP, ICMP, IGMP

Configuration Method: Web Interface or NXT-APP

Mechanical & Environment Properties

Mounting Method: Bracket Mount

Installation Environment: Outdoor Locations

Protection Level: IP67

Operating Temperature: -20℃ ~ +60℃

Operating Humidity: ≤90% RH non-condensing

Housing Material: Aluminium Alloy

Color: White

Product Dimensions: 135*71*28mm

Product Weight: 0.22Kg

Product Warranty: 2 Years

Accessories

3× Plastic expansion set

3× Half-round head cross screw (ST4*25)

1× Mounting Brackets

2× Cruciform triple screw (M4*8 304)

1× Wire terminal (3.81-4P)

1× Mounting Bracket

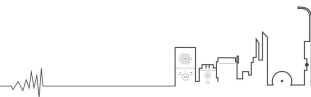
2× Stainless steel drill screw (M4*20 401)

1× Cruciform triple screw (M3*6 304)

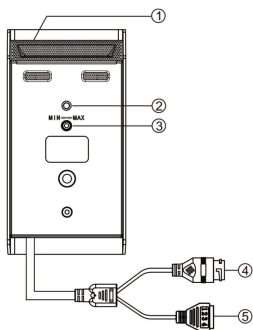
1× Cruciform triple screw (M6*12 304)

1× Certificate of Compliance and Warranty Card

1× Quick Installation Guide



INTERFACE DESCRIPTION



① Pickup microphone: pickup the local audio.

② Status indicator light:

Green light flash: It means that the device has connected to network cable and there are data transmission.

Red light always on: Something is abnormal

No red light: all is in normal status. •

③ Volume adjustment knob: Increases the volume clockwise and decreases the volume counterclockwise.

④ Network Interface: Insert the network cable to connect to the switch or POE switch.

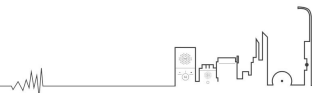
⑤ Power and analog audio output interface , meanings as follow:

1: Power positive(For the details please refer to the specifications and parameters).

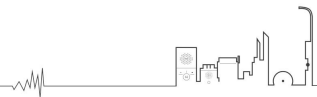
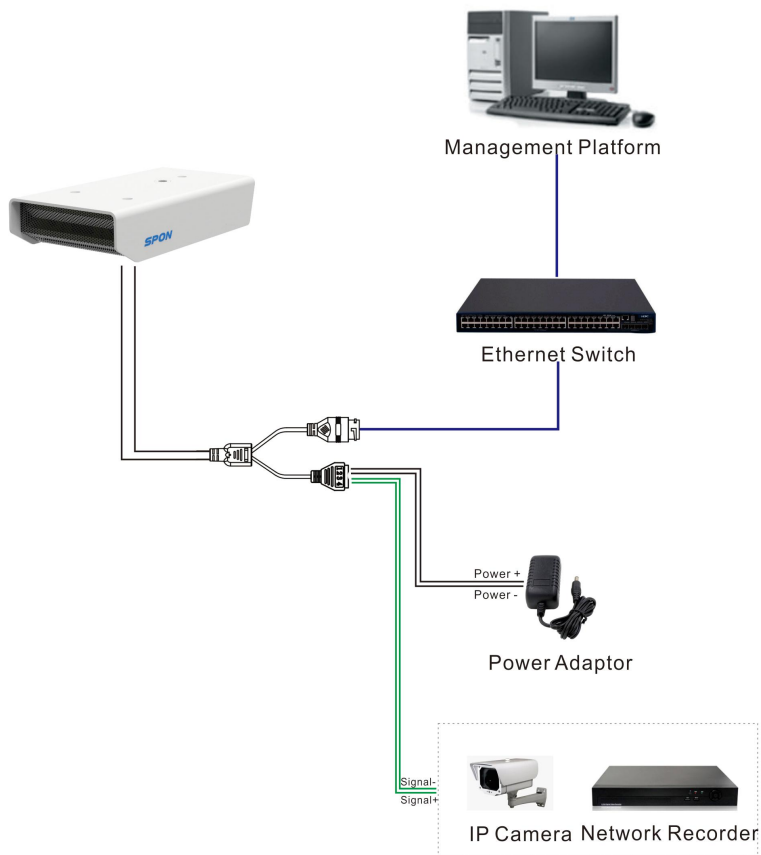
2: Public ground terminal, the ground terminal of power and signal.

3: Signal negative, output analog audio signal(negative).

4: Signal positive, output analog audio signal(positive), it can connect with IP camera(or DVR) analog recording input interface.



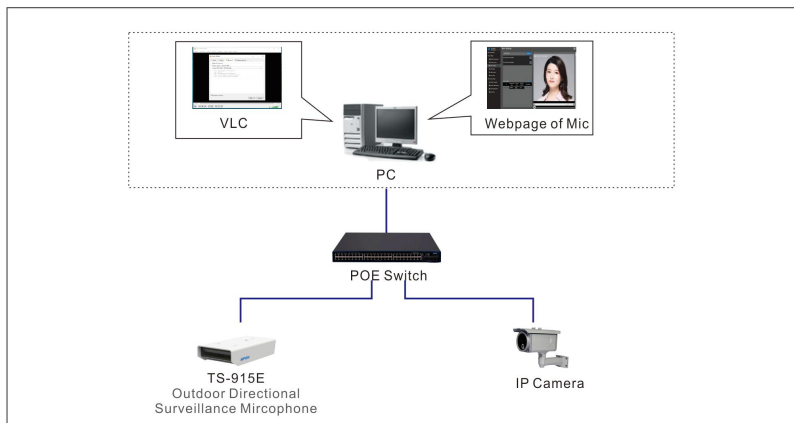
CONNECTION DIAGARM



APPLICATION

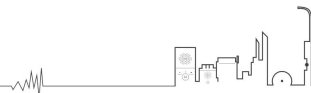
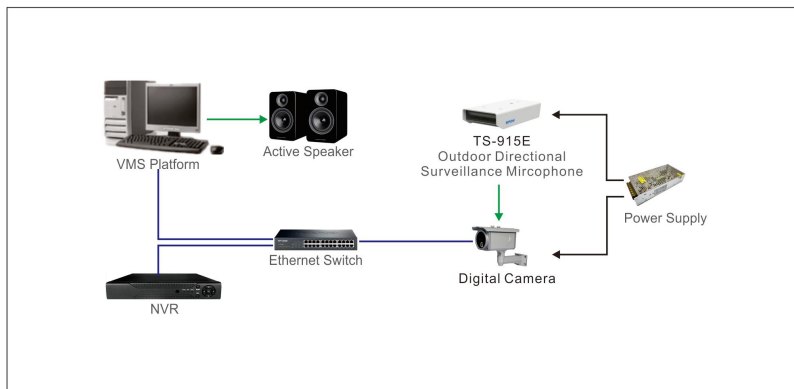
Application 1

SPON Outdoor Directional Surveillance Mircophone TS-915E supports to bind IP camera and preview audio and video in real time on the Web page . Supports pulling audio and video using RTSP in VLC .



Application 2

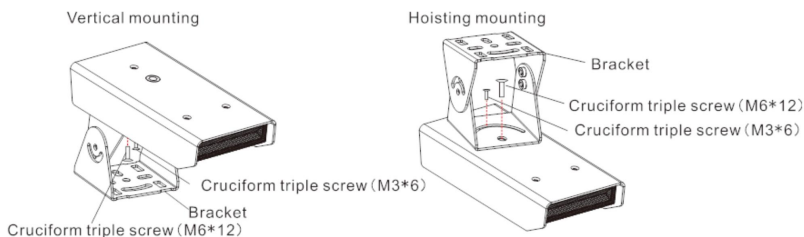
SPON Outdoor Directional Surveillance Mircophone TS-915E has analog audio output interface which can be connect with digital camera for Synchronous storage of audio and video.



INSTALLATION

Installation environment: Wall, ceiling, monitoring rod and metal column installation.

Installation instructions: It can be installed vertically or hoisted according to the environment. The bracket will be installed at the bottom of the microphone when in vertical mounting ; For hoisting mounting, the bracket need to be installed on the top of the microphone. Firstly, M6*12 cruciform triple screw was used to fix the microphone and support, and then M3*6 cruciform triple screw was used to fix it, as shown in the below:



Installation mode 1: First, adjust the angle of microphone, make 3 holes in the wall according to the bracket position, then put the plastic expansion sleeve into the hole, and use 3pcs of half-round head cross screw (ST4*20) to fix the microphone on the wall.

Installation mode 2: Adjust the angle of microphone, then install in the hole which is installed bracket, and fix the microphone on the monitoring rod or metal pillar with 2pcs drilling screws.

Installation mode 3: Adjust the angle of microphone, and fix the microphone on the suitable place with the fixing plate and screws.

Installation mode 4: Installing the equipment on the monitoring rod or others across bracker hole or groove.

