

SoundSecure is a manufacturer of audio technologies for the physical security industry. Designed with performance and aesthetics in mind, SoundSecure products offer a contemporary design, giving a professional finish to each installation. With nearly universal compatibility with network security cameras and recorders, SoundSecure products install quickly and easily, enabling customers to hear what their cameras see.

For additional information, visit [www.sound-secure.com](https://d.docs.live.net/7c254874190e1c86/Documents/www.sound-secure.com)

**CEILING MOUNT OMNI-DIRECTIONAL MICROPHONE**

**DIVISION 28 – ELECTRONIC SAFETY AND SECURITY**

**28 37 00 Audio Monitoring**

**28 37 11 Audio Monitoring Devices**

**Notes to Specifier:**

1. Where several alternative parameters or specifications exist, or where, the specifier has the option of inserting text, such choices are presented in **<bold text>**.
2. Explanatory notes and comments are presented in **colored** text.
3. Specifiers may alternately wish to include this specification in the following section:

**28 21 13 IP Cameras**

**28 21 13.11 Panoramic IP Cameras**

**28 21 13.13 Analytic Packages for IP Cameras**

**Inclusion in the above sections is intended as a hardware accessory to enable audio functionality for devices capable of both video surveillance and audio monitoring.**

**CEILING MOUNT OMNI-DIRECTIONAL MICROPHONE**

**PART 1 GENERAL**

* 1. **SUMMARY**
1. Section includes a ceiling mounted omni-directional microphone with line level signal output.

B. Related Requirements

 1. 28 00 00 Electronic Safety and Security (Division 28)

a. 28 05 19.11 Digital Video Recorders

b. 28 05 19.13 Hybrid Video Recorders

c. 28 05 19.15 Network Video Recorders

d. 28 21 00 Surveillance Cameras

e. 28 21 13 IP Cameras

* 1. **SUBMITTALS**
1. Product Data
2. Manufacturer’s printed or electronic data sheets
3. Manufacturer’s video tutorials
	1. **QUALIFICATIONS**
4. Product shall be manufactured in the United States.
5. Installers shall meet manufacturer’s requirements to install, integrate, commission, and service the product.
	1. **WARRANTY**
6. Manufacturer shall provide a minimum limited 3 year warranty for the product to be free of defects in material and workmanship

END OF SECTION

**PART 2 PRODUCTS**

**2.01 EQUIPMENT**

A. Manufacturer: SoundSecure

 Phone: (818) 254-8590

Web: [www.sound-secure.com](http://www.sound-secure.com)

 Email: hello@sound-secure.com

 B. Model: SS-800

 C. Alternates: None

**2.02 DESCRIPTION**

A. The microphone is designed for security applications and is designed to integrate with third party network cameras and Digital Video Recorders.

B. The microphone picks up sounds in an omni-directional pattern.

C. The microphone produces a line level signal output.

D. The microphone element shall be enclosed behind a perforated metal grill.

E. The microphone shall be surface mounted and shall have no visible mounting screws or fasteners.

F. Specifications:

 a. Frequency Response 30 Hz – 15kHz

 b. Sensitivity -38dB ± 3 at 1M, 1W

 c. Output Level **<Line Level> <0dB ± 3>**

d. Output Impedance 2.2k Ω

e. Power Requirements 20mA at 12Vdc

 f. Environmental Operating Temperature 0-65° C

 g. Connector Terminal block

 h. Dimensions **<Not to exceed>** 3 1/8” Diameter x 1” Height

**2.03 ACCESSORIES**

A. The microphone manufacturer shall include the following accessories:

 1. 2 pairs of #8 mounting screws and anchors.

 2. 1 bare wire to 3.5mm mono adapter.

3. 1 bare wire to RCA adapter.

END OF SECTION

**PART 3 EXECUTION**

**3.01 INSTALLERS**

A. Contractor personnel shall comply with all applicable state and local licensing requirements.

**3.02 INSTALLATION**

A. Contractor shall follow the manufacturer’s instructions to ensure proper installation.

B. 18/2 AWG shielded cable or 22/2 AWG shielded cable shall be used to connect the microphone signal and ground terminals to the corresponding audio input connections on the associated IP camera or DVR.

**Manufacturer recommends providing notification of audio being used as part of a video security system. References to United States federal and state regulations or Canadian federal regulations are available from the manufacturer upon request.**

END OF SECTION