

ii900 Sonic Industrial Imager

Product Specifications

Specifications

Acoustic	Sansing	and	lmani	na
Acoustic	Sensing	allu	ıııayı	пу

Number of Microphones......64 digital MEMS

Sound Pressure Sensitivity Detects 0.005 CFM leak @ 100 psi up to 33 ft distance

(2.5 cm3/s leak @ 7 bar up to 10 m distance) (depending on ambient conditions)

Field-of-View (FOV)......63 ° ±5 °

Minimum Frame Rate12.5 FPS

Visual Camera

FocusFixed lens

Display

Display......7" LCD with backlight, under-sunlight readable

Acoustic ImageYes, SoundMap™ image overlaps with visual image

Image Storage

Memory/Storage Capacity999 picture files and 20 video files

.JPEG or .PNG (JPEG by default)

Video Format......Blended Visual and SoundMap™ image

Save Video30 seconds

Acoustic Measurement and Analysis

21.9 dB to 112.2 dB SPL (±2 dB) @ 19 kHz

36.6 dB to 126.9 dB SPL (±2 dB) @ 52 kHz

Communication Interface and Buttons

USB.......USB-C used to transfer data to PC, download image using standard

USB Mass Storage device driver.

Self-Diagnostic

TypeArray-health

Self-diagnostic warning to identify when too many microphones are faulty. Self-diagnostic periodically runs and shows a warning when

service is recommended.

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Power Supply

Environmental

Temperature

Altitude

Safety

General Safety.....IEC 61010-1

Electromagnetic Compatibility (EMC)

International IEC 61326-1: Portable

Electromagnetic Environment IEC 61326-2-2

CISPR 11: Group 1, Class A

Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.

Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.

Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

Emissions that exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object.

Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.

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