

AC-Series Acoustic Cameras



AC-160

Introducing the New AC-Series from SATIR, an acoustic range of cameras. We currently offer two models in this range, the AC-160 and the AC-130. The AC-130 has 136 microphones, while the AC-160 has 163. The microphone type is Digital MEMS and has a sensitivity of -26 dBFS (1 kHz, 94 dB SPL). The acoustic frame rate is 25FPS.

The AC-Series could be used for partial discharge detection, gas leak detection, and abnormal noise detection to name a few applications.



AC-130

Key Features

- New Acoustic Camera Series
- Easy to Use
- ATEX & Ex-Proof Optional
- Bluetooth, Wifi, Text Annotation
- IP54 Encapsulation

AC-Series Specifications

Please be aware specifications can vary from time to time

Microphone Array	AC-130	AC-160
Number of Microphones	136	163
Microphone Type	Digital MEMS	
Sensitivity	-26 dBFS (1 kHz, 94 dB SPL)	
Signal-To-Noise Ratio	64.3 dB (A)	
Sound Sampling Rate	200 kS/s/ch	
Maximum Imaging Frequency Range	2kHz - 100kHz	
Acoustic Imaging Frame Rate	25FPS	
Recommended Imaging Range*	0.3-130m	
Leak Rate Estimation	Supported	
Cost Estimation	Supported	
Area Focusing	Circle in Centre	
Camera & Display		
Visible Lens Focal Length	3.4mm	3.4mm
Camera Field of View (FOV)	65°±3°(H), 40°± 3°(V)	64 (° H) × 40 (° V)
Camera Pixel	13 MP (Saving 1280 x 720 pixel pictures and videos)	13MP
Maximum Image Size	1280 x 720	1920 x 1200
Storage	Built in 128GB	Removable 128GB SD Card, support up to 1TB
Sound Picture Resolution	1280 x 720	1920 x 1200
Sound Video Resolution	1280 x 720	1920 x 1200
Focusing Mode	Auto	Fixed Focus
Display	5 Inch	7 Inch
Display Brightness	Adjustable Brightness	Adjustable Brightness
Function & Interface		
Bluetooth	4.2	
Port	Type-C	Type-C
Picture	Supported	
Picture Format	JPG	
Video	Supported	
Video Format	Mp4	
Text Annotation	Supported	
WIFI	Supported	
Built-in Storage	128GB, Max 1TB	
Fixed Method	Handheld/Tripod	
Other Parameters		
Batteries & Usage Time	3400 mAh Rechargeable Li-ion	Rechargeable Li-ion&4h
EMC	Class B	Class A
Operating Temperature	-20 °C to 50 °C	
Relative Humidity	<10% to 95% Non-Condensing	< 95%, Non-Condensing
Explosion-Proof	Optional	
ATEX	Optional	
Ingress Protection Code	IP54	
Weight	820g	1.2kg
Size	110mmx150mmx80mm	232mmx165mm x86mm
Accessories	Power adapter and cord, USB flash drive, Type-C to USB-A cable, Wrist strap, Instrument box	