

AC-Series Acoustic Cameras

Introducing the New AC-Series from SATIR, an acoustic range of cameras.

We currently offer three models in this range, the AC-250, the AC-160 and the AC-130. The number of microphones on each model are, 136 / 163 / 251.

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-160/ AC-250

Key Features

- Three mode detection settings
- Easy to Use
- ATEX & Ex-Proof Optional
- Bluetooth, Wifi, Text Annotation
- IP54 Encapsulation



AC-130

AC-Series Specifications

Please be aware specifications can vary from time to time

Microphone Array	AC-130	AC-160	AC-250
Microphones	136	163	251
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		
Frequency Range	2kHz - 100kHz		
Frame Rate	25FPS		
Detection Distance	0.3-130m		
Leak Rate Estimation	Supported		
Cost Estimation	Supported		
Area Focusing	Circle in Centre		
Camera & Display			
Lens Focal Length	3.4mm	3.4mm	
Camera Field of View	65°±3°(H), 40°± 3°(V)	64 (° H) × 40 (° V)	
Camera Pixel	13 MP (1280 x 720 pixel)	13MP	
Maximum Image Size	1280 x 720	1920 x 1200	
Storage	Built in 128GB	Removable 128GB SD Card,(optional 1TB)	
Sound Picture / Video Resolution	1280 x 720	1920 x 1200	
Focusing Mode	Auto	Fixed Focus	
Display	5 Inch	7 Inch	
Display Brightness	Adjustable Brightness		
Function & Interface			
Bluetooth	4.2		
Port	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	3400 mAh Rechargeable Li-ion	Rechargeable Li-ion	Built in
Battery time	4hrs	4hrs	
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		