

**TECHNOLOGY
PRODUCTS**



ACOUSTIC CAMERA

AC130 / AC160 / AC250





- Bluetooth / WiFi / Text Annotation
- Easy to use
- IP54 Encapsulation
- Gas Leak / Partial Discharge Detection
- Digital MEMS Microphone



Introducing the New AC-Series from SATIR, an acoustic range of cameras. We currently offer two models in this range, the AC-250, AC-160 and the AC-130. The AC-130 has 136 microphones, while the AC-160 has 163 and AC-25 has 251 microphones. 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.

Key Features

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



Specifications



- **Microphone Array:** AC-130/AC-160/AC-250
- **Number of 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
- **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):** $65^{\circ} \pm 3^{\circ}$ (H), $40^{\circ} \pm 3^{\circ}$ (V) / 64° (H) \times 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



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 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



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