



SONG METER WITH ANALYSIS AND REMOTE TRANSFER

SMART SYSTEM

Reduce Bat Fatalities and Curtailment Costs



Monitoring bats on wind farms can be challenging. The Song Meter with Analysis and Remote Transfer (SMART) System is an innovative solution for reducing bat fatalities and associated curtailment costs at wind farms.



Detect Bats in Real Time

Leverage Kaleidoscope Pro analysis software with Bat Auto-ID to quickly identify species and take immediate action to minimize bat collisions.



Reduce Turbine Downtime

Integrate with SCADA and other third-party solutions to pause turbine operation as needed, minimizing curtailment costs and increasing annual energy production compared to blanket curtailment.



Access Data Remotely

Download recordings and activity summaries, and manage your SMART System remotely via a secure web browser interface.

SMART System Price (USD)*

Microphone \$1,999

Controller \$2,999

*Doesn't include shipping, duties, and fees, which may vary by location.

Two independent ultrasonic sensors provide redundancy



An integrated ultrasonic speaker tests the sensors for added reliability

SMART Microphone

PREVENT TIME-CONSUMING, COSTLY REPAIRS

- Weatherproof anodized aluminum housing with EMI shielding protects against the elements and static discharge
- A heating system eliminates condensation and icing of the ultrasonic sensors

GET DEPENDABLE DATA

- Two discrete ultrasonic sensors provide redundancy for added reliability
- A built-in ultrasonic speaker tests and automatically selects the sensor with the best result

BETTER DISCERN BATS

Innovative technology digitizes signals before sending them to the controller, reducing EMI that can obscure echolocations



Supports up to three microphones to monitor at different heights

SMART Controller

AVOID BLANKET CURTAILMENT

Kaleidoscope Pro analysis software runs Bat Auto-ID in real time, allowing you to quickly identify species and pause operation as needed

ACCESS DATA REMOTELY

A secure web browser interface permits authorized users to download recordings and activity summaries and remotely manage the system

ADAPT A SUITABLE

Connect via Wi-Fi or Ethernet and integrate with SCADA and other third-party hardware and software solutions

Product Specifications

SMART MICROPHONE

DIMENSIONS

Length	8.9"/226 mm
Diameter	3.0"/76 mm

WEIGHT

1.4 lb/0.64 kg

OPERATING TEMPERATURE

-4°F to 185°F (-20°C to 85°C)

ENCLOSURE MATERIAL

Weatherproof anodized aluminum

SAMPLE RATES (kHz)

256, 384, 500

SMART CONTROLLER

DIMENSIONS

Length	6.3"/160 mm
Width	4.7"/119 mm
Depth	2.2"/56 mm

WEIGHT

3.0 lb/1.36 kg

OPERATING TEMPERATURE

-4°F to 158°F (-20°C to 70°C)

RECORDING FORMAT

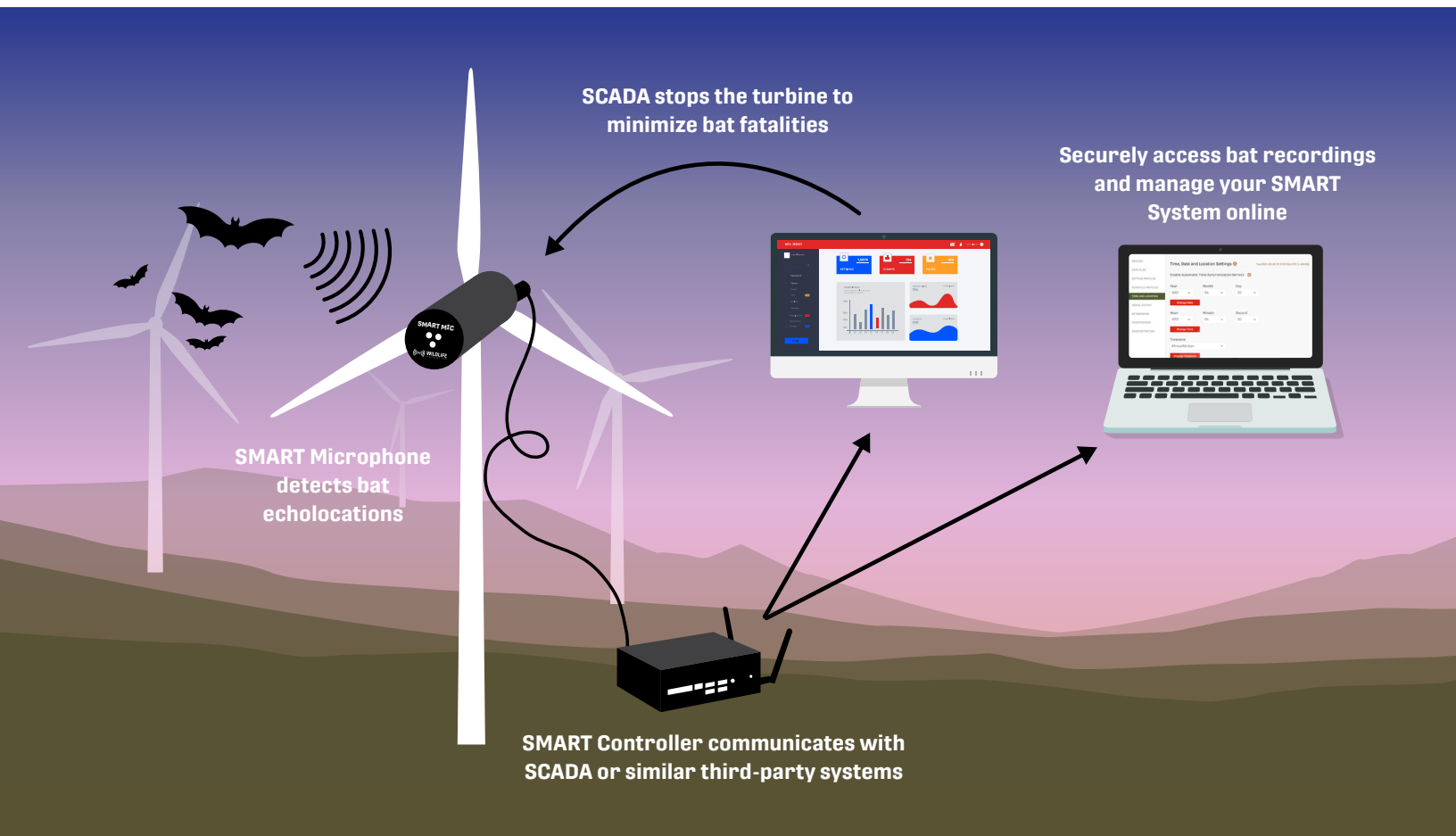
16-bit PCM WAV and
Zero-crossing

ENCLOSURE MATERIAL

Ruggedized fan-less design
(requires weatherproofing)



How It Works



About Wildlife Acoustics

Wildlife Acoustics is the leading provider of bioacoustics monitoring technology for biologists, researchers, and government agencies worldwide. Our acoustic and ultrasonic recorders and sound analysis software help scientists conduct species inventory, presence/absence surveys, and habitat health monitoring to make impactful discoveries that expand our understanding of the planet.

