



Airport Bird Control



Overview & Product Guide



In the Airport Bird Control scenario, we have developed a comprehensive bird deterrence solution covering handheld, fixed, vehicle-mounted, and drone-mounted configurations. This system integrates acoustic, high-intensity light, and opto-acoustic coordination technologies, forming a multi-layered deterrence framework capable of omnidirectional dispersal, precise directional repulsion, and coordinated ground-air operations.

The full product range can be customized for specific scenarios, such as airport runways, protected zones, and migratory bird corridors. The solution offers high mobility and environmental adaptability, with vehicle-mounted units, spherical robots, and UAV platforms extending the overall coverage area.

Through integrated opto-acoustic technologies, the system significantly enhances deterrence precision and response efficiency, providing end-to-end support for airport bird-strike prevention and improving the safety and management efficiency of airfield operations.



RX660A:

- Wide coverage: Effective range up to 1,000 meters.
- Omnidirectional propagation: 360° uniform sound coverage.
- High environmental adaptability: All-weather operation suited for complex airport surroundings."

RP10D:

- High sound pressure level (SPL) : Up to 142 dB SPL, enabling effective bird dispersal over a wide range.
- Lightweight and portable: Weighs only 4.8 kg, easy to carry and operate.
- Strong environmental adaptability: IP65 protection rating ensures reliable performance in various conditions."

RP40Z:

- Ultra-high sound pressure level: Peak SPL of 160 dBA with wide coverage.
- Rapid deployment: Portable and easily mounted on tripods for quick setup.
- Strong environmental adaptability: IP65 protection and resistance to extreme temperatures."

RH40Y:

- Long-range acoustic-optical deterrence: Equipped with high-power sound and laser modules for wide-area coordinated bird dispersal.
- High reliability and durability: IP66 protection, temperature-resistant, and capable of stable all-weather operation.
- Flexible deployment and remote control: Supports remote operation and 360° rotation to cover different airport zones."

RA11G:

- High sound pressure level: Peak SPL of 143 dB with an effective range up to 450 meters.
- High mobility: Mounted on UAVs for rapid access to target areas.
- Efficient control integration: Supports flight control platforms and 4G/5G or wireless modules for remote operation, easily integrating with airport bird control systems."

RB21H:

- All-terrain mobility: Features full-terrain mobility, capable of remote operation and preset route patrols, enabling continuous all-weather operation.
- Strong acoustic deterrence: Integrated sound module with SPL up to 142 dB.
- Intelligent sensing and coordination: Equipped with panoramic perception and supports multi-robot networking to build an intelligent bird control network."

LHS64Z:

- Long-range visual deterrence: Light intensity up to 10.24 million candelas; green laser visible day and night for long-distance bird repulsion.
- Flexible handheld operation: Multiple adjustable modes for various scenarios.
- Strong environmental adaptability: IP68 protection and resistance to extreme temperatures"
- RU20X:
- Comprehensive monitoring network: Establishes an all-weather, full-coverage detection network, enabling collaborative perception of both birds and drones.



RH40Y

Peak dB	161
Continuous dB	151
Max Range m	3548

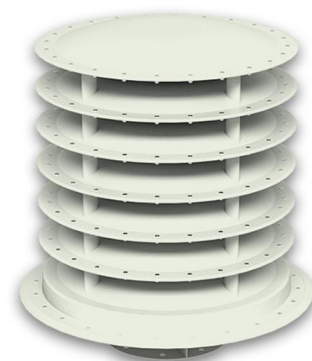
RH40Y directional long-range opto-acoustic device with integrated laser and camera. The acoustic beam angle of the device is $\pm 15^\circ$ @ 2kHz/-3dB. Designed to meet the demands of high-intensity sound and light control, it is suitable for various operational scenarios.



RX660A

Peak dB	145
Continuous dB	140
Max Range m	1000

Omnidirectional long-range acoustic device can transmit sound horizontally at 360° without dead angles. Intelligent control and quick response make it a high-end choice for public safety and industrial protection.



RP40Z

Peak dB	160
Continuous dB	150
Max Range m	3162

RP40Z portable Acoustic Device is suitable for counter-terrorism operations, suppressing chaotic noise to deter criminals; it is also used in disaster rescue, penetrating rubble and background noise to locate trapped persons and assist in rescue efforts.





RB21H

Peak dB	142
Continuous dB	134
Max Range m	501

The RB21H spherical robot integrates a high-performance acoustic module with a high sound pressure level, enabling it to transmit sound clearly through noisy environments. It achieves efficient voice warnings and remote communication in security patrols and monitoring inspections, ensuring the smooth progress of tasks.



LHS64Z

Output cd	10,240,000
Angle °	0.1-5
Range m	6400

LHS64Z is a handheld device utilizing a high-power semiconductor laser, characterized by lightweight construction and long illumination range, with green laser dazzling and deterrence functions.



RP10D

Peak dB	142
Continuous dB	128
Max Range m	251

RP10D portable Acoustic Hailing Device is compact, lightweight, easy to operate, has a long battery life, and is affordable. It is suitable for emergency command needs in various scenarios.





RA11G

Peak dB	143
Continuous dB	133
Max Range m	447

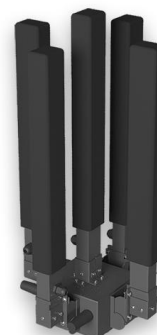
Drone Speaker can leverage UAVs to achieve flexible deployment in the air using drones, supporting dual-mode output of real-time intercom and pre-recorded voice. This device is suitable for information broadcasting and command transmission in scenarios such as public safety, emergency rescue, and traffic management.



RU20X

Distance m	≥ 500
Probability %	95
FAR	≤ 1

RU20X UAV Detection System utilizes a high-performance microphone array, enabling 360° passive acoustic detection, recognition, classification, and localization of UAVs characterized by low-altitude, slow-speed flight, and small size based on their acoustic signatures.





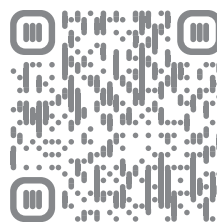
Sound the Victory Horn

Beijing Ribri Technology Co., Ltd.

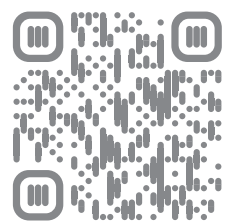
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