XCOUSTIC X2

Remote Audio Monitoring Device
Powered by Laser & Light Wave Technology

X2
XCOUSTIC

Up to

200m

Effective range

PRODUCT OVERVIEW

The system adopts Doppler diffuse reflection optical laser technology, matrix detection technology, digital focusing technology and other innovative achievements.

With long distance, no preset, and non- contact application environment, it can realize the synchronization of target sound information hundreds of meters away. Collection, which effectively meets the needs of relevant departments for the collection of target sound information, is an important means to obtain sound information.

The system has obvious advantages in sub-nanometer weak vibration measurement and weak return light detection capability, and has outstanding advantages in target medium adaptability, working distance, window angle and so on.

The system is highly integrated, easy to operate, easy to carry, and quick to deploy, and;

- **Long distance sound pickup in environments such as inside vehicles, buildings, or other locations** - Equipped with automatic focusing function, it can accurately locate the sound pickup area, and the sound pickup distance upto hurdreds of meter;

- **Lightweight and convenient** - The equipment weighs less than 5KG, making it the smallest and lightest among similar equipment and easy to carry;

- **Easy to operate** - There are few steps to operate: power on>point->focus->play sound, the device is quickly deployed and easy to use. Mobile phones, tablets, and computers can all pick up sound through mobile networks or Wi-Fi connections, and operate through software to achieve human machine separation and wireless control;

- **Strong penetrating power and wide application range** Lasers can penetrate glass and collect audio information. Scope of application: Including common indoor furnishings (paper boxes, curtains, paper table tags, paper bags, etc.); common outdoor furnishings (billboards, trash cans, license plates, etc.);

- **High stability and anti-interference** - The laser collects audio in a small range to avoid interference from the surrounding environment, and uses advanced algorithms to perform multiple processes such as noise reduction, equalization, and filtering on the audio to restore stable, high fidelity audio;

- Simultaneous audio and video monitoring;

- **Audio and video integration** - The software interface has video functions to achieve audio and video integration;

- **With ranging function** - Ranging range: >200m, ranging accuracy: < ±3cm.

- It is possible to pass through single clear glass windows.

- Paper, leather, cloth, plastic, metal and other material objects can be used as the target medium.

- Optional additional noise reduction functions that has high voice recognition ability.

- Multi-functional mobile operation terminal is wirelessly connected with the host, which integrates "viewing, aiming, listening, recording and transmitting" to realize remote control operation.

- Using invisible infrared laser, low power and safe.

- Multi-power mode, (optional) built-in battery design improves the flexibility of the system.

MAIN COMPOSITION	
1. Xcoustic Unit	2. Android Operating Terminal
3. Headphones	4. Tripod
5. High-Precision Fine-Tuning Gimbal	6. Cable Set
7. Field backpack / Rugged Field Equipment Case	8. Accessory

Note: Design, features, functionality and specifications are subject to change without notice. Please check for the latest update.

Rugged Field Equipment Case Color option

TECHNICAL SPECIFICATIONS	XCOUSTIC X1	XCOUSTIC X2
Working Distance	Up to 100m	Up to 200m
Transfer Method	Wired/Wireless transmission	
Comprehension Rate (In A Good Environment)	≥ 90% 65 dB (in good environments)	
Laser Wavelength	1550nm	
Laser power	≤ 16mW	
Dual Vision Lens	25 mm wide-angle lens	
Camera	Built-in wide-angle color CCD and two sets of telephoto sensitivity ≤1lux night vision CCD	
Communication	Built-in Wi-Fi module for wireless connection with operator terminal	
Interface	Power Port	
	Wi-Fi Antenna Port	
	RJ45 Data Port	
	3.5mm Headphone Port	
Power Supply	Built-in time: >3 hours	
	AC220V/battery (<15W)	
Host Weight	≤2.0kg	≤5.0kg
Host Size (mm)	200×130×80	274×125×184
Operating Temperature	-10℃～+40℃	
Recording	Audio and video simultaneous recording format: mp4	