CRYSOUND

CRY2626G

Drone-Mounted Acoustic Imaging Camera

The CRY2626G is the first drone-mounted acoustic camera designed for detecting electrical partial discharge.

Using beamforming microphone array technology, it overlays sound source data onto high-resolution video for precise fault detection.

Long-Range Partial Discharge Detection

This advanced system enables long-distance inspections of power lines, detecting partial discharge with high accuracy.

Its mobility allows operators to assess areas that are difficult or hazardous to access, reducing risks while improving maintenance efficiency.

SDT Ultrasound

Protecting what matters

Highlights

- Designed to be mounted on a DJI M300 RTK or M350 RTK drone, the feed is displayed on the remote control.
- Structural and algorithmic noise reduction allow an effective testing distance of up to 35 meters.
- PRPD spectrum display with the ability to show discharge types.
- Interfaces with the DJI SKYPORT mounting system, convenient installation.
- Generate reports to share key data.
- Enhance Inspection with 2-axis Gimbal
- Drone Motor Noise Suppression
- Real-time Display of Test Results
- Rapid Deployment, Take off in 1 Minute
- Long Flight Time, Impressive Measurement Distance.

Acoustic Specification	
Number of microphones	128 MEMS channels
Frequency range	2kHz~48kHz
Test sound pressure level range	28dB~132dB
Acoustic cloud maps / imager view	62°
Minimum frame rate for acoustic cloud map	25FPS
Test Distance	0.5m~30m
Imager	
Imager FOV	62°
Imager focal length	3.04mm fixed focal length
Imager pixel	8 million pixel
Storage	
Internal storage	8Gb
External storage	TF memory card, at least 64 G, expandable to 256 G
Data storage format	.jpg (image), .mp4 (video) and .wav (audio)
Video length	5 minutes
Digital export	TF Card
Operating Environment	
Operating environment	-20°C – +50°C, 10% – 95% no condensation
Storage temperature	-20 °C – +60 °C
Altitude	Less than 5000m

Software	
Protocol	DJI PSDK Protocol
Report types	Gas/Electricity, ISO 50001-compliant
Analysis	PRPD Spectrum
Power	
Voltage	Same as 'SKYPORT, DC12V'
Power interface	Same as 'SKYPORT'
Power consumption	10W
Device	
Protection Class	IP42
Overall equipment dimensions	Fold: 210*230*260mm Spread: 340*232*167mm
Weight	1400g
Duration of flight	30min
Installation	SKYPORT V2
Warranty	2 years
Self-diagnostic notification	Array-health test function to identify when microphone array needs attention
Drones (optional)	
Model	DJI M300 RTK, DJI M350 RTK
Languages	
Language	Chinese, English

Available only in Europe and French-speaking African countries.

SDT Mission

SDT provides ultrasound solutions that help our customers gain a better understanding about the health of their factory. We help them predict failures, control energy costs, and improve product quality while contributing to the overall reliability of their assets.

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