CRY2623M
FIXED ACOUSTIC IMAGER

CRY2623M Fixed Acoustic Imager uses microphone array beamforming technology to obtain sound source distribution data, and cooperates with high-definition cameras to capture video images in real time. It can help users realize remote monitoring system based on local network (LAN, WIFI, etc.), wide area network (WAN, ADSL, 4G and private network, etc.), and help users realize industrial digital transformation, and support remote real-time monitoring of video images. As such, this provides facilities with further insight into product quality or safety issues, as well as the ability to rapidly detect them. Changes to compressors, pumps, pipes, cables, etc. can be understood in real time and in advance, rather than manually.

Intelligent Inspection System

The CRY2623M can also be used as a payload for inspection, including UAV, robot, car or other mobile unit, Realizingmore intelligent inspection and monitoring applications.

128 digital MEMS microphones

High-performance microphones for efficient detection.

24/7 Real-time monitoring

Real-time monitoring, automatic fault detection, reducing the number of manual inspections. It helps enterprises reduce maintenance costs.

Some size easy to install

183mm x 169mm x 83.35mm, contactless deployment.

Early detection of equipment problems

In the early stage of equipment failure, once the sound is abnormal, it will be reminded in time, including leakage, PD or other scenarios that the monitored object will have sound changes.

Find faults that cannot be found by other means

Pressure, temperature, vibration sensors often fail to sense some early failures.

Factory automation product inspection & Alarms

CRY2623M can be deployed in the factory line and fully integrated with the factory system, support the factory's automatic inspection, and improve the production inspection efficiency. With fully digitized processes, real-time monitoring data can be recorded and archived, improving product and process traceability.

▲Technical Specifications

Main Technical Specifications

Device Model	CRY2623M
Number of Microphone Channels	128 channels
Test Frequency Range	2kHz ~ 48kHz
Port	RJ45
Data communication	RTSP/RTMP streaming transmission
Camera Resolution	800W
Frame Rate	25FPS
Test Distance	0.5~50m
Weight	About 1.3kg
Size	183mm X 169mm X 85.35mm
Storage	8G internal storage, 64G TF card expansion storage
Operating Temperature	-10℃~+50℃
Supply Voltage	DC12-20V
Power Consumption	About 14W
IP Degree of Protection	IP56
Fixed way	Bottom 1/4 -20UNC thread/M5 screw fixing
Explosion-proof certification	CNEX

Intrinsically Safe Power Supply

Intrinsically safe maximum open circuit voltage	DC 6.5V
Intrinsically safe maximum output current	2.0A

Digital Signal Barrier

Explosion-proof parameters	Um=250V AC/DC，Uo=6V，Io=505mA，Po=0.75W IIC：Co=28μF，Lo=0.12mH
Operating Voltage	5V
Maximum withstand voltage	6V
Terminal resistance	12Ω
Polarity	Dual Polarity
Weight	About 110g
Applicable equipment wiring	Two-wire, three-wire, four-wire
Explosion-proof certification	Zone 0, Zone 1, Zone 2; IIA, IIB, IIC, T4-T6
Environmental Conditions	Continuous use temperature -20~60℃; Storage temperature -40~80℃

Acoustic Imaging Guardian Minimum Leakage
(Pressure 0.5Mpa, 20-40kHz site environment noise 40dB)

Distance to Sound Source (m)	Leakage CCM(±1)
0.5-2	28
2-4	46
4-6	47
6-8	50
8-10	53
10-12	66
12-14	70
14-16	78
16-18	90
18-20	97

All-aluminum Case   Camera

Communication/Power Interface   128 Mic array

Horizontal 62°
Vertical 48°