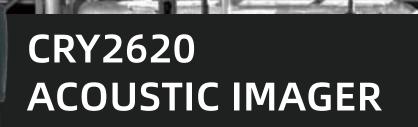


CRYSOUND IMAGER DATASHEET CRY2620



The CRYSOUND CRY2620 Industrial Acoustic Imager is easy to operate and can be used quickly. The device adopts the aluminum alloy shell, which is sturdy and durable, and can adapt to the complex and changeable working environment. Real-time sound image display, helping the detection of pressurized or vacuum leaks significantly faster compared to other previous methods.

CRY2620 only needs to adjust the two parameters of the test frequency range and the test dynamic range to meet the vast majority of test requirements.

The device supports camera mode, video mode, and flexible on-site data recording. The large-capacity TF data storage card can be expanded, and the test results can be quickly exported and reported.

It can help enterprises to reduce losses caused by gas leakage, partial discharge and other accidents.

High-performance microphones for efficient detection

64 digital MEMS microphones can provide exceptionally high sensitivity sound resolution and detection accuracy, real-time audio-visual display, anti-jamming, help detection.

Leakage assessment

By activating the leak measurement function, the camera continuously displays the amount of leaks and losses as well as the level of loss.

Analytics and reports

Template-based processing and recording of data, waveforms, spectram, spectrograms is supported by CRYSOUND report analysis tool software, generating ISO 50001 compliant, editable protocols in Excel format.

▲ Technical Specifications

| Microphone array64 channels MEMS microphoneEffective test bandwidth2kHz-40kHzDynamic range2dB-12dB user adjustableTest sound pressure level range28-120dBAAuto max/min dB gainUser-settable minimum test bandwidth 1kHzNumber of digits24bitSound image FOV62°Sound image frame rateAt least 25 FPSLeak detection rate10m 5bar 2.4ml/s 0.5m 5bar 1.2ml/sDetect distances0.5m-70mCamera62°Camera FOV62°Camera focal length3.04mm fixed focal lengthCamera focal length3.04mm fixed focal lengthSize7 inchTouch screenCapacitive touch screenBrightnessAdjustablePhoto notes10p to 5 photos notes for referenceSourceShow single or multiple sourcesStandard palettes3: Grayscale, Ironbow, Blue-RedPlayback functionView photos, videos anytime, and add notes or tagsPlayback function2pig (Picture), mp4 (Video) and .wav(Recording)Video length5 minutesJoigt lexportTF Card | Acoustic Specificatio | on |
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| Test sound pressure level range28-120dBAAuto max/min dB gainUser-settable minimum test bandwidth 1kHzNumber of digits24bitSound image FOV62°Sound image frame rateIom Sbar 2.4ml/s 0.5m 5bar 1.2ml/sLeak detection rate00m Sbar 2.4ml/s 0.5m 5bar 1.2ml/sDetect distances0.5m-70mCamera3.04mm fixed focal lengthCamera focal length3.04mm fixed focal lengthCamera pixel8 million pixelDisplay7 inchSize7 inchTouch screenAdjustablePhoto notes9 chow single or multiple sourcesSourceShow single or multiple sourcesSourceShow single or multiple sourcesPlayback functionYiew photos, videos anytime, and ad notes or tagsPlaybact functionJier About 8GExternal storagejig (Picture),.mp4 (Video) and.wav(Recording)Data storage formatjing (Picture),.mp4 (Video)Video length5 minutes | Effective test bandwidth | 2kHz-40kHz |
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| Power | |
|---------------------------------|--|
| Battery capacity | 1x6600mAH@7.2V Rechargeable battery and 1xexternal battery package, continuous |
| Battery life | 4+6 hours operation time |
| Charger | USB Type-C port, USB PD protocol supported, 15W |
| Power consumption | 15W for battery charge; 29W for maximum power consumption |
| Energy management | Sleep/Auto power off modes |
| Interface | |
| USB 3.0 Ty | ype-C USB host port |
| 3.5mm ł | neadphone socket |
| Operating Environm | ent |
| Operating environment | -20°C- +50° 10%-95%no condensation |
| Storage temperature | -20°C-+60° |
| Charging temperature | 10°C-+45°C |
| General Specification | n |
| Ingress Protection (IP) | IP54 |
| Size | 272mmx174mmx42mm |
| Weight | 1.7kg |
| Warranty | 2 years |
| Self-diagnostic notification | Array-health test function to identify when microphone array needs attention |
| System | Linux system |
| Certification | CE,FCC, RoHS-compliant |
| Supported Language | e |
| | , German, Italian,Japanese, Korean Iguese Russian, Spanish, Swedish |
| Software | |
| | |

| Gas/ISO 50001-compliant |
|---------------------------------|
| Waveform, Spectrum, |
| Spectrogram, leakage assessment |

Report types

Analysis

CRYSOUND IMAGER DATASHEET CRY2623



The CRYSOUND CRY2623 Industrial Acoustic Imager is easy to operate and can be used quickly. The device adopts the aluminum alloy shell, which is sturdy and durable, and can adapt to the complex and changeable working environment. Real-time sound image display, helping the detection of pressurized or vacuum leaks significantly faster compared to other previous methods.

CRY2623 only needs to adjust the two parameters of the test frequency range and the test dynamic range to meet the vast majority of test requirements.

The device supports camera mode, video mode, and flexible on-site data recording. The large-capacity TF data storage card can be expanded, and the test results can be quickly exported and reported.

It can help enterprises to reduce losses caused by gas leakage, partial discharge and other accidents.

CRY2623 ACOUSTIC IMAGER

High-performance microphones for efficient detection

128 digital MEMS microphones can provide exceptionally high sensitivity, sound resolution and detection accuracy, real-time audio-visual display, anti-jamming, help detection.

Leakage assessment

By activating the leak measurement function, the camera continuously displays the amount of leaks and losses as well as the level of loss.

PD detection & PD type identification

Partial discharges can be detected before more serious faults would occur, even before a thermal camera would detect them.

Analytics and reports

Template-based processing and recording of data, waveforms,spectra,spectrograms is supported by CRYSOUND report analysis tool software, generating ISO 50001 compliant, editable protocols in Excel format.

CRYSOUND

▲ Technical Specifications

| Microphone array128 channels MEMS microphoneEffective test bandwidth2kHz-48kHzDynamic range0.5dB-12dB user adjustableTest sound pressure cevel rangeS.7-132.5dBAAuto max/min dB gainUser-settable, minimum test bandwidth 1kHzNumber of digits42bitSound image FOV62°Sound image FOWNom Sbar 0.92mL/s 0.5m Sbar 0.55mL/sDetect distances0.3m-120mDetect distances62°Camera FOV62°Camera focal length3.04mm fixed focal lengthCamera focal length3.04mm fixed focal lengthGamera focal length1024*600 (614,400 pixels)Size7 inchFouch screen1010 stableFouch screen1010 stableFouch screen1010 stableFouch screen1010 stableFourageView photos, videos anytime, and add notes or tagsFurand storageNiew photos, videos anytime, and add notes or tagsFuternal storageSign file storageFuternal storageSign file storageFuternal storageSign file storageStorage formatJign file storageStorage formatSign file storageStorage formatSinutesStorage formatSinutes | Acoustic Specification | 1 |
|---|---|---|
| International international< | Microphone array | 128 channels MEMS microphone |
| NoteSolutionlevel range\$5.7-132.5dBAAuto max/min dB gainUser-settable, minimun test bandwidth 1kHzNumber of digits44bitSound image FOV62°Sound image frame rateIom Sbar 0.92ml/s 0.5m 5bar 0.55ml/sLeak detection rate0.3m-120mDetect distances0.3m-120mCamera3.04mm fixed focal lengthCamera focal length8 million pixelCamera focal length1024*600 (614,400 pixels)Size7 inchSize7 inchSourceShow single or multiple sourcesPhoto notes3.04 rayscale, Ironbow, Blue-RedSourceShow single or multiple sourcesStandard palettes3.6 rayscale, Ironbow, Blue-RedPhayback functionSie Gayscale, Ironbow, Blue-RedStorageIremenory card, at least 64G, expandable to 256GData storage formatJipg (Picture), .mp4 (Video)Auto lengthsinutes | Effective test bandwidth | 2kHz-48kHz |
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| Playback functionView photos, videos anytime, and add notes or tagsStorageAbout 8GInternal storageAbout 8GExternal storageIF memory card, at least 64G, expandable to 256GData storage format.jpg (Picture) , .mp4 (Video) and .wav (Recording)Video length5 minutes | Resolution Size Touch screen Brightness | 7 inch Capacitive touch screen Adjustable |
| Playback functionand add notes or tagsStorageAbout 8GInternal storageAbout 8GExternal storageTF memory card, at least 64G, expandable to 256GData storage format.jpg (Picture) , .mp4 (Video) and .wav (Recording)Video length5 minutes | Resolution Size Touch screen Brightness Photo notes | 7 inch Capacitive touch screen Adjustable Up to 5 photos notes for reference |
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| External storageTF memory card, at least 64G, expandable to 256GData storage format.jpg (Picture) , .mp4 (Video) and .wav (Recording)Video length5 minutes | Resolution Size Touch screen Brightness Photo notes Source Standard palettes | 7 inch Capacitive touch screen Adjustable Up to 5 photos notes for reference Show single or multiple sources 3: Grayscale, Ironbow, Blue-Red View photos, videos anytime, |
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| Data storage formatand .wav (Recording)Video length5 minutes | Resolution Size Touch screen Brightness Photo notes Source Standard palettes Playback function Storage | 7 inch Capacitive touch screen Adjustable Up to 5 photos notes for reference Show single or multiple sources 3: Grayscale, Ironbow, Blue-Red View photos, videos anytime, and add notes or tags |
| | ResolutionSizeTouch screenBrightnessPhoto notesSourceStandard palettesPlayback functionStorageInternal storage | 7 inch Capacitive touch screen Adjustable Up to 5 photos notes for reference Show single or multiple sources 3: Grayscale, Ironbow, Blue-Red View photos, videos anytime, and add notes or tags |
| Digital export TF Card | ResolutionSizeTouch screenBrightnessPhoto notesSourceStandard palettesPlayback functionStorageInternal storageExternal storage | 7 inch Capacitive touch screen Adjustable Up to 5 photos notes for reference Show single or multiple sources 3: Grayscale, Ironbow, Blue-Red View photos, videos anytime, and add notes or tags View photos, videos anytime, and add notes or tags About 8G TF memory card, at least 64G, expandable to 256G .jpg (Picture) , .mp4 (Video) |
| | ResolutionSizeTouch screenBrightnessPhoto notesSourceStandard palettesPlayback functionStorageInternal storageExternal storageData storage format | 7 inch Capacitive touch screen Adjustable Up to 5 photos notes for reference Show single or multiple sources 3: Grayscale, Ironbow, Blue-Red View photos, videos anytime, and add notes or tags View photos, videos anytime, and add notes or tags TF memory card, at least 64G, expandable to 256G .jpg (Picture) , .mp4 (Video) and .wav (Recording) |

| Power | |
|---|--|
| Battery capacity | 1×6600mAH@7.2V Rechargeable battery and 1×external battery package, continuous |
| Battery life | 4+6 hours operation time |
| Charger | USB Type-C port, USB PD protocol supported, 15W |
| Power consumption | 15W for battery charge; 29W for maximum power consumption |
| Energy management | Sleep/Auto power off modes |
| Interface | |
| USB 3.0 Ty | /pe-C USB host port |
| 3.5mm ł | neadphone socket |
| Operating Environm | ent |
| Operating environment | -20℃- +50℃ <i>,</i> 10%-95% no condensation |
| Storage temperature | -20°C - +60°C |
| Charging temperature | 10℃ - +45℃ |
| General Specification | n |
| Ingress Protection (IP) | IP54 |
| | |
| Size | 272mm×174mm×42mm |
| Size Weight | 272mm×174mm×42mm 1.7kg |
| | |
| Weight | 1.7kg |
| Weight Warranty Self-diagnostic | 1.7kg 2 years Array-health test function to identify when microphone |
| Weight Warranty Self-diagnostic notification | 1.7kg 2 years Array-health test function to identify when microphone array needs attention |

| Software | |
|--------------|--|
| Report types | Gas/Electricity, ISO 50001-compliant |
| Analysis | Waveform, Spectrum, Spectrogram, leakage assessment, discharge type discrimination |

Norwegian, Polish, Portuguese, Russian, Spanish, Swedish

CRYSOUND IMAGER DATASHEET CRY2624



CRY2624 Industrial Acoustic Imager is suitable for use in explosion-proof scenarios in chemical and energy industry. The device adopts the aluminum alloy shell, which is sturdy and durable, and can adapt to the complex and changeable working environment. Real-time sound image display, helping the detection of pressurized or vacuum leaks significantly faster compared to other previous methods.

CRY2624 only needs to adjust the two parameters of the test frequency range and the test dynamic range to meet the vast majority of test requirements.

The device supports camera mode, video mode, and flexible on-site data recording. The large-capacity TF data storage card can be expanded, and the test results can be quickly exported and reported.

It can help enterprises to reduce losses caused by gas leakage, partial discharge and other accidents.

High-Performance Microphones for Efficient Detection With ATEX Certification

128 digital MEMS microphones can provide exceptionally high sensitivity, sound resolution and detection accuracy, real-time audio-visual display, anti-jamming, help detection.

Leakage Assessment

By activating the leak measurement function, the camera continuously displays the amount of leaks and losses as well as the level of loss.

PD Detection & PD Type Identification

Partial discharges can be detected before more serious faults would occur, even before a thermal camera would detect them.

Analytics And Reports

Template-based processing and recording of data, waveforms,spectra,spectrograms is supported by CRYSOUND report analysis tool software, generating ISO 50001 compliant, editable protocols in Excel format.

▲ Technical Specifications

| Microphone array128 channels MEMS microphoneFifective test bandwidth2kHz-48kHzDynamic range0.5dB-12dB user adjustableTest sound pressure\$c3-7.132.5dBAAuto max/min dB gainUser-settable, minimum test bandwidth 1kHzNumber of digits24bitSound image FOV62°Sound image FOW0.3m 52B or.92mJ/s 0.3m 5bar 0.92mJ/sDetect distances0.3m 120mDetect distances0.3m 120mCamera FOV62°Camera for8.10lion pixelGamera for1024*600 (614,400 pixels)Size7 inchFaslution1024*600 (614,400 pixels)Size7 inchFourder1010 pixelFourder1010 pixelPhoto notes0.3r space or nutliple sourcesFourder1010 sourcesFourder1010 sourcesFourder1010 sourcesFourder1010 sources or tageFourder1010 sources or tageFourder | Acoustic Specification | 1 |
|--|---|--|
| Interfact parationInterfact parationDynamic range0.5dB-12dB user adjustableTest sound pressure level range5.7-132.5dBAAuto max/min dB gainUser-settable, minimum test bandwidth 1KHzNumber of digits24bitSound image FOV62°Sound image frame rateOm Sbar 0.92ml/s 0.5m Sbar 0.55ml/sDetect distances0.3m-120mDetect distances0.3m-120mCamera3.04mm fixed focal lengthCamera focul length8 million pixelCamera pixel0.24*600 (614,400 pixels)Size7 inchSize7 inchSourceAdjustablePhoto notes0.14 screenSource3.6 scraycale, Ironbow, Blue-RedSourceSizePayback function16 wy single or multiple sourcesStandard palettesNiew photos, videos anytime, and add notes or tagsPhoton strageJiew photos, videos anytime, and add notes or tagsStandard palettesJiew photos, videos anytime, and add notes or tagsStandard palettesJiew photos, videos anytime, and add notes or tagsDista storage formationJienemory card, at least 64G, xpandable to 25GStatastorage formationJienemory card, at least 64G, xpandable to 25GStatastorage formationJienemory card, at least 64G, xpandable to 25GStatastorage formationJienemory card, at least 64G, xpandable to 25G | Microphone array | 128 channels MEMS microphone |
| Initial and the series of th | Effective test bandwidth | 2kHz-48kHz |
| Ievel range25.7-132.5dBAIevel rangeUser-settable, minimum test bandwidth 1kHzNumber of digits44bitSound image FOV62°Sound image frame rateAt least 25 FPSIeak detection rate0m 5bar 0.92ml/s o.5m 5bar 0.55ml/sDetect distances0.3m-120mDetect distances0.3m-120mGamera5000 (angle frame rate)Gamera FOV62°Camera focal length3.04mm fixed focal lengthGamera pixel8million pixelFasolution1024*600 (614,400 pixels)Size7 inchFauch screen4djustablePhoto notes9hoto single or multiple sourcesSourceShow single or multiple sourcesSourceShow single or multiple sourcesPlayback functionSicarayscale, Ironbow, Blue-RedPlayback functionSicarayscale, Ironbow, Slue-Redfuternal storageJir fmemory card, at least 64G, xpandable to 256Gfuter alstorage formatjipg (Picture), .mp4 (Video)futer alstorage format5mitues | Dynamic range | 0.5dB-12dB user adjustable |
| Auto max/min dB gainminimum test bandwidth 1kHzNumber of digits24bitSound image FOV62°Sound image frame rateAt least 25 FPSLeak detection rate10m 5bar 0.92ml/s 0.5m 5bar 0.55ml/sDetect distances0.3m-120mCamera62°Camera FOV62°Camera focal length3.04mm fixed focal lengthCamera pixel8million pixelCamera pixel1024*600 (614,400 pixels)Size7 inchResolutionCapacitive touch screenSize7 inchSourceShow single or multiple sourcesSourceShow single or multiple sourcesStandard palettes3: Grayscale, Ironbow, Blue-RedPlayback functionYiew photos, videos anytime, and add notes or tagsInternal storageAbout 8GCharana storage formatjpg (Picture)mp4 (Video) and.wav (Recording)Video length5. interse | | 25.7-132.5dBA |
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| Leak detection rate10m Sbar 0.92ml/s 0.5m Sbar 0.55ml/sDetect distances0.3m-120m62°Camera FOV62°Camera focal length3.04mm fixed focal lengthCamera pixel8 million pixelCamera pixel1024*600 (614,400 pixels)Size7 inchTouch screenCapacitive touch screenBrightnessAdjustablePhoto notes10 to 5 photos notes for referenceSourceShow single or multiple sourcesStandard palettes3: Grayscale, Ironbow, Blue-RedPlayback functionView photos, videos anytime, and add notes or tagsStorageJipg (Picture)mp4 (Video)Data storage format.jpg (Picture)mp4 (Video) and .wav (Recording) | Sound image FOV | 62° |
| Leak detection rate0.5m 5bar 0.55ml/sDetect distances0.3m-120mCamera62°Camera FOV62°Camera focal length8 million pixelCamera pixel8 million pixelDisplay1024*600 (614,400 pixels)Size7 inchTouch screenCapacitive touch screenBrightnessAdjustablePhoto notesUp to 5 photos notes for referenceSourceShow single or multiple sourcesStandard palettes3: Grayscale, Ironbow, Blue-RedInternal storageAbout 8GExternal storageTF memory card, at least 64G, expandable to 256GVideo length.jpg (Picture) , .mp4 (Video) and .wav (Recording) | Sound image frame rate | At least 25 FPS |
| CameraCamera FOV62°Camera focal length3.04mm fixed focal lengthCamera pixel8 million pixelCamera pixel1024*600 (614,400 pixels)Display7 inchSize7 inchTouch screenCapacitive touch screenBrightnessAdjustablePhoto notesUp to 5 photos notes for referenceSourceShow single or multiple sourcesStandard palettes3: Grayscale, Ironbow, Blue-RedInternal storageAbout 8GExternal storageTF memory card, at least 64G, expandable to 256GData storage format.jpg (Picture) , .mp4 (Video) and .wav (Recording)Video length5 minutes | Leak detection rate | |
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| IteCamera focal length3.04mm fixed focal lengthCamera pixel8 million pixelDisplay1024*600 (614,400 pixels)Resolution1024*600 (614,400 pixels)Size7 inchTouch screenCapacitive touch screenBrightnessAdjustablePhoto notesUp to 5 photos notes for referenceSourceShow single or multiple sourcesStandard palettes3: Grayscale, Ironbow, Blue-RedPlayback functionView photos, videos anytime, and add notes or tagsInternal storageTF memory card, at least 64G, expandable to 256GData storage format.jpg (Picture)mp4 (Video) and .wav (Recording) | Camera | |
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| Size7 inchTouch screenCapacitive touch screenBrightnessAdjustablePhoto notesUp to 5 photos notes for referenceSourceShow single or multiple sourcesStandard palettes3: Grayscale, Ironbow, Blue-RedPlayback functionView photos, videos anytime, and add notes or tagsStorageInternal storageAbout 8GData storage format.jpg (Picture)mp4 (Video) and .wav (Recording)Video length5 minutes | | |
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| SourceShow single or multiple sourcesStandard palettes3: Grayscale, Ironbow, Blue-RedPlayback functionView photos, videos anytime, and add notes or tagsStorageInternal storageInternal storageAbout 8GExternal storageIF memory card, at least 64G, expandable to 256GData storage format.jpg (Picture) , .mp4 (Video) and .wav (Recording)Video length5 minutes | Resolution Size | 7 inch |
| Standard palettes3: Grayscale, Ironbow, Blue-RedPlayback functionView photos, videos anytime, and add notes or tagsStorageInternal storageInternal storageAbout 8GExternal storageTF memory card, at least 64G, expandable to 256GData storage format.jpg (Picture) , .mp4 (Video) and .wav (Recording)Video length5 minutes | Resolution Size Touch screen | 7 inch Capacitive touch screen |
| Playback functionView photos, videos anytime, and add notes or tagsStorageAbout 8GInternal storageAbout 8GExternal storageIF memory card, at least 64G, expandable to 256GData storage format.jpg (Picture) , .mp4 (Video) and .wav (Recording)Video length5 minutes | Resolution Size Touch screen Brightness | 7 inch Capacitive touch screen Adjustable |
| Playback functionand add notes or tagsStorageAbout 8GInternal storageAbout 8GExternal storageTF memory card, at least 64G, expandable to 256GData storage format.jpg (Picture) , .mp4 (Video) and .wav (Recording)Video length5 minutes | Resolution Size Touch screen Brightness Photo notes | 7 inch Capacitive touch screen Adjustable Up to 5 photos notes for reference |
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| ····· | Resolution Size Touch screen Brightness Photo notes Source Standard palettes Playback function Storage Internal storage | 7 inch Capacitive touch screen Adjustable Up to 5 photos notes for reference Show single or multiple sources 3: Grayscale, Ironbow, Blue-Red View photos, videos anytime, and add notes or tags About 8G TF memory card, at least 64G, |
| Digital export TF Card | Resolution Size Touch screen Brightness Photo notes Source Standard palettes Standard palettes Playback function Storage Internal storage | 7 inch Capacitive touch screen Adjustable Up to 5 photos notes for reference Show single or multiple sources 3: Grayscale, Ironbow, Blue-Red View photos, videos anytime, and add notes or tags View photos, videos anytime, and add notes or tags Fr memory card, at least 64G, expandable to 256G |
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| Power | | |
|--|--|--|
| Battery capacity | 1×6600mAH@7.2V Rechargeable battery and 1×external battery package, continuous | |
| Battery life | 4+6 hours operation time | |
| Charger | USB Type-C port, USB PD protocol supported, 15W | |
| Power consumption | 15W for battery charge; 29W for maximum power consumption | |
| Energy management | Sleep/Auto power off modes | |
| Interface | | |
| USB 3.0 Ty | /pe-C USB host port | |
| 3.5mm h | neadphone socket | |
| Operating Environme | ent | |
| Operating environment | -20°C- +50°C <i>,</i> 10%-95% no condensation | |
| Storage temperature | -20°C - +60°C | |
| Charging temperature | 10°C - +45°C | |
| General Specification | 1 | |
| Ingress Protection (IP) | IP54 | |
| Size | 272mm×174mm×42mm | |
| Weight | 1.7kg | |
| Warranty | 2 years | |
| Self-diagnostic notification | Array-health test function to identify when microphone array needs attention | |
| System | Linux system | |
| Certification | | |
| ATEX, CE, FCC, RoHS-compliant, MSDS, CNEX | | |
| Supported Language | 2 | |
| English, French, Chinese, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish | | |
| | | |

| Software | |
|--------------|--|
| Report types | Gas/Electricity, ISO 50001-compliant |
| Analysis | Waveform, Spectrum, Spectrogram, leakage assessment, discharge type discrimination |

CRY50UND

CRYSOUND IMAGER DATASHEET CRY2623M



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, 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

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.

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.



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.

Web: www.crysound.com

Email: cry@crysound.com
CTel: +86-(0)571-8908-1989



CRY50UND

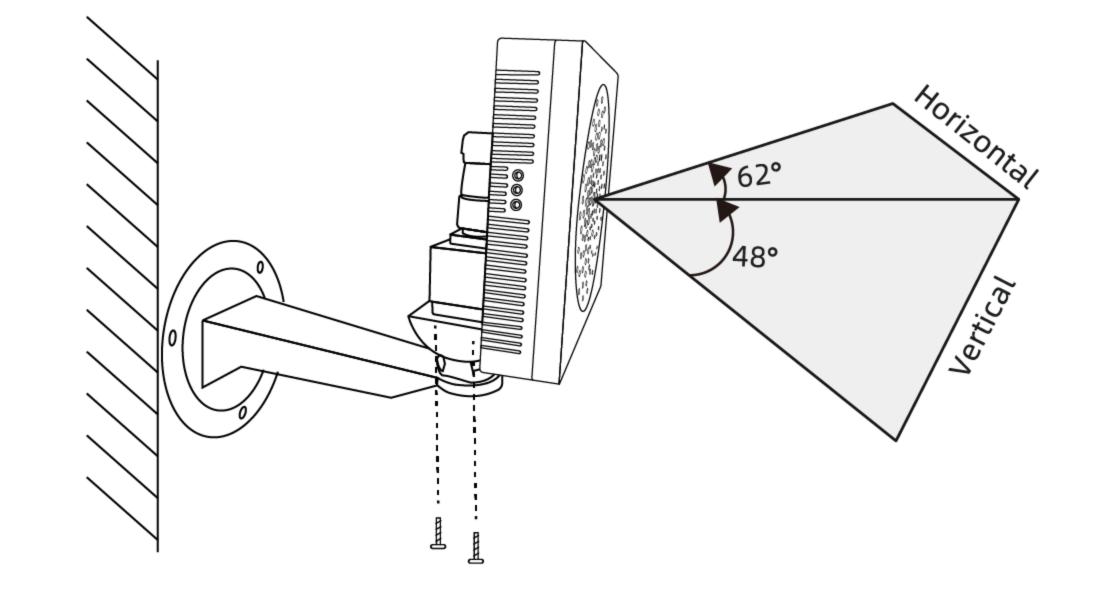
CRYSOUND IMAGER DATASHEET CRY2623M

Technical Specifications

| Main Technical Specific | ations | Acoustic Imaging Guardia | |
|--|--|--------------------------------------|-------------------------|
| Device Model | CRY2623M | (Pressure 0.5Mpa, 20-40kHz site | environment noise 40dB) |
| Number of Microphone | 128 channels | Distance to Sound Source (m) | Leakage CCM(±1) |
| Channels | 120 Channels | 0.5-2 | 28 |
| Test Frequency Range | 2kHz ~ 48kHz | 2-4 | 46 |
| Port | RJ45 | 4-6 | 47 |
| Data communication | RTSP/RTMP streaming transmission | 6-8 | 50 |
| Camera Resolution | 800W | 8-10 | 53 |
| Frame Rate | 25FPS | 10-12 | 66 |
| Test Distance | 0.5~50m | 12-14 | 70 |
| Weight | About 1.3kg | 14-16 | 78 |
| Size | 183mm X 169mm X 85.35mm | 16-18 | 90 |
| Storage | 8G internal storage, 64G TF card expansion storage | 18-20 | 97 |
| Operating Temperature | -10°C~+50°C | | |
| Supply Voltage | DC12-20V | | |
| Power Consumption | About 14W | | |
| IP Degree of Protection | IP56 | Α | All-aluminum Case Ca |
| Fixed way | Bottom 1/4 -20UNC thread/M5 screw fixing | | |
| Explosion-proof certification | CNEX | | |
| Intrinsically Safe Powe | r Supply | | |
| Intrinsically safe maximum open circuit voltage | DC 6.5V | | |
| Intrinsically safe maximum output current | 2.0A | Communication/Power Interface | e 128 Mi |

Digital Signal Barrier

| Explosion-proof parameters | Um=250V AC/DC,Uo=6V, lo=505mA,Po=0.75W llC: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°C; Storage temperature -40~80°C |



Web: www.crysound.com ages Email: cry@crysound.com C Tel: +86-(0)571-8908-1989

