

IRIS M

Enhancing Vision

Powered by Motion Amplification

▶ THE WORLD'S FIRST NON-CONTACT MOTION AMPLIFICATION PLATFORM

Iris M from RDI Technologies is the first device of its kind that allows users to see in real time. Iris M from RDI Technologies is the first device of its kind that allow users to see motion in real time. This patented technology lets you see machinery, process and structural motions not visible to the human eye.

Iris M is a unique, revolutionary technology that detects subtle motion and amplifies that motion to a level visible with the naked eye. By turning every pixel in the camera into a sensor, Iris M takes millions of measurements in a fraction of a second. And it does this with no physical connection to your machinery or equipment.



The Iris M technology platform delivers real-time video to users, enabling them to make instant decisions about manufacturing operations based on real data. The ability to visualize the entire process while retaining component-level analysis makes Iris M the perfect tool for screening, fault finding, baseline or commissioning and pre/post repairs or retrofits. Every step of the way, Iris M provides specific information about the process or issues at the root of a quality problem.

Iris M's Motion Amplification software produces an easy to understand amplified video of motion across your equipment or machinery which enables far more effective communication between technical and nontechnical personnel – which enhances decision-making. Videos from the Iris M platform are produced within seconds of data collection. In other words, Iris M saves you time and money.



RDI
TECHNOLOGIES

SEEING IS
BELIEVING

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Specification

| Motion Amplification | |
|-----------------------------|--|
| Available Lenses* | 6mm, 12mm, 25mm, 50mm, 100mm |
| Acquisition System | i7 processor, 16GB RAM, 500GB SSD, dual batteries, lightweight, MIL-STD-810G standard drop protection, 3 yr accidental damage protection* |
| Sample Rate | 120/100 fps default, up to 1,300 fps at reduced resolution |
| Frequency Range | US: Up to 3,600 rpm @ 120 fps default Int: Up to 3,000 rpm @ 100 fps default Maximum: 39,000 rpm @ 1,300 fps with reduced resolution |
| Minimum Displacement | 0.1 mil (2.5 µm) at 3.3 ft (1m) with 50mm lens at max brightness |
| Motion Amplification Factor | 1-50x |
| Vibration Pads | 95% impulse absorption |
| Tripod | Professional Grade with pistol grip |
| Case | Watertight, dustproof, crushproof |
| USB3 Cable Length | 9.84 ft. (3 m) |
| Optional Accessory Kit | LED light: 14,000 Lux @ 1 m, Li-ion light battery, light stand, extra vibration pads, computer stand |

▶ SEE IT. SHOW IT. FIX IT.



Features

| Motion Amplification | |
|-------------------------------------|--|
| Export Format | HD MP4 at 1920x1080 resolution |
| Video Annotations | Text, shape and annotations overlays with export to video |
| Playback/Export Video Speeds | 4x to 1/20th full speed |
| Grid Overlay | Configurable grid overlay (size, color) |
| Export Options | Side-by-side playback of original and amplified video or amplified video only |
| Logo Export | Ability to overlay custom logo onto exported videos |
| Image Zoom | Exported video shows only zoomed region |
| Frequency Filtering | Bandpass, Bandstop, Lowpass and Highpass Filtering of Time Waveform and video |
| Stabilization | Entire frame and region based image stabilization |
| Time Waveforms, Spectra, and Orbits | Unlimited number of regions can be drawn in the video to measure displacement All measurements are simultaneous |
| Waveform Export | Export waveforms to .csv file |

*Each kit contains 4 lenses. A 5th lens is available at additional charge.

Authorized distributor in Poland, Czech Republic and Slovakia:

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verified industrial
maintenance solutions



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