

# SEEING IS BELIEVING

# IRIS M

Enhancing Vision

Powered by **Motion Amplification™**



## Specification

Motion Amplification™	
Available Lenses*	6mm, 12mm, 25mm, 50mm, 100mm
Acquisition System	i7 processor, 8GB RAM, 256GB or 500GB SSD, dual batteries, IP65, 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	0.1 mil (2.5 µm) at 3.3 ft (1m) with 50mm lens at max brightness
Maximum: 39,000 rpm @1,300 fps with reduced resolution	1-30x
Minimum Displacement	0.1 mil (2.5 µm) at 3.3 ft (1m) with 50mm lens at max brightness
Motion Amplification Factor	1-30x
Vibration Pads	95% impulse absorption
Tripod	Professional Grade with pistol grip
Case	Watertight, dustproof, crushproof
USB3 Cable Length	16.4 ft. (3 m)

## 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	Full speed to 1/10th 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

RDI Technologies is excited to announce the release of **Motion Amplification™**. The first of its kind, our patented **Motion Amplification™** technique helps you see unseen motions.

**Motion Amplification™** allows you to assess critical manufacturing operations, processes, quality, and structural components that affect plant reliability and productivity. **Motion Amplification™** is a revolutionary technology that detects subtle motion and amplifies that motion to a level visible with the naked eye. Every pixel becomes a sensor creating millions of measurement locations in an instant.

This technology platform can provide your team with real-time video information to aid in decision making relative to manufacturing operations. The ability to visualize the entire process while still having component level analysis positions this tool for use in screening, fault finding, baseline or commissioning, and pre/post repairs or retrofits. All while providing specific information about the process or issues causing quality problems.

The **Motion Amplification™** software produces an easy to understand amplified video of the motion across an asset enabling communication between technical and nontechnical resources leading to enhanced decision making and focused activities. Videos can be produced within seconds of data collection. **In other words, it saves time and money.**

\*Each kit contains 4 lenses. A 5th lens is available at additional charge.  
 \*\*SSD size dependent on configuration, IP67 and Class 1 Div 2 options available on request