

# IRIS M

## Enhancing Vision

### Iris M Update – May 2018

RDI Technologies is excited to announce a new update for the Iris M. This software update brings an exciting set of new features to the product. These features are the most requested by our users.

Some notable features include:

- **Calculate Spectrum from Portion of Waveform** – Calculate spectral data from a specific part of the available waveform. This is accomplished graphically from the waveform plot, and calculated spectra are updated dynamically as the region over which they are calculated is modified.
- **Bulk Filtering** – Using Motion Explorer, copy the filters from one recording and apply them to one or more recordings. This means that you only have to set up the filters once if applying the same filters to multiple recordings on the same asset.
- **Spectrum Harmonic Cursor** – Harmonic cursors are now supported in spectrum plots. This allows harmonic frequency content to be more quickly recognized.
- **Autoscale Across Plots** – Autoscaling the amplitude axis across plots of the same type (e.g. spectrum or waveform plots) allows quick recognition of relative amplitude values.

### Motion Explorer Update – January 2018

RDI Technologies is excited to release Motion Explorer. Motion Explorer is an upgrade to RDI's flagship product, the Iris M. This application allows you to manage all of your Motion Amplification data from one place. You will now be able to preview your recordings before opening them, organize your data in hierarchical structure, and associate files such as PDFs and MP4s with your recordings.

Along with Motion Explorer, users will also receive an exciting set of new features for the Iris M.

- **Region Based Amplification** – Users can overlay shapes to define what regions are amplified and an unlimited number of regions can be applied
- **Image Thresholds** - Users can choose what portion of the camera's available dynamic range is displayed on the screen and exported into the MP4
- **Rotate Image** - Users can rotate the collected recordings by 90°, 180°, and 270° and the acquisition software shows a live preview of the rotated view
- **Multiple Distance Measurements** – Users can drop pins on multiple locations and enter associated distances to be retrieved in Motion Amplification for analysis of multiple locations

## Frequency Based Filtering for the Iris M is here – June 2017

RDI Technologies is pleased to announce the release of Version 2.0 for the Iris M. This update allows users to isolate individual frequencies in the Motion Amplified video data. Combinations of filters can be applied to isolate multiple frequencies. Filtering is performed graphically by the user through a color-coded spectrum. The spectrum represents the motion for a region of interest in the video data. Simply drag the cursor representing a filter's cut-off frequency on the spectrum to apply the filters to any frequency.

In addition to the filter update, version 2.0 includes the following valuable new features:

- **Orbit Plots** - Displays motions at a location in the data on an X-Y plot.
- **Simpler ROI drawing** - Drawing an ROI with the mouse has been updated to make displacement measurements more intuitive.
- **Record data sets based on time instead of number of frames.**
- **Addition of CPM units.**
- **Ability to export time waveforms to .csv files.**

## RDI Releases Stabilization Update for Iris M – March 2017

Optical Motion Technologies is excited to announce the release of RDI's Stabilization Update for Iris M with Motion Amplification. The update is part of your maintenance subscription.

This software module allows you to stabilize video that contains motion from camera shake. In addition to automatically stabilizing based on the entire image, this update features an option to draw a Region of Interest (ROI) in the image that the user knows to be stationary. This helps in complicated motion environments.

## RDI Releases Displacement and Frequency Module – January 2017

Optical Motion Technology is excited to announce RDI's latest upgrade to the Iris M: Motion Amplification product suite; **The Iris M: Displacement and Frequency Software Package**

This software module enables users to extract a time waveform and spectrum in both the horizontal and vertical directions from user defined locations in the field of view. Also included are new features in the acquisition software that assist in making measurements designed for displacement.