# BeamPeek™ Readme

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## Section 1 - Change log

- v2.0.0 10/29/2026
    - Added support for BeamPeek v2 hardware systems.
    - Deprecated support for BeamPeek v1 hardware systems.
    - Fixed an issue where the alignment overlay was placed incorrectly when connecting to a different device.
    - Removed ability to set wavelength within the VIS range as the new V2 hardware will only support wavelengths within the NIR range.
    - Removed mentions of interchangeable lenses for different wavelengths.
    - Added toggle to notify the software when the protective glass is installed so that the focal plane offset can be adjusted.
    - Moved danger zone to -20 mm in line with v2 hardware.
- v1.1.0 06/15/2026
    - Added Automation Interface examples and documentation to the installation.
    - Added a toggle to display an alignment overlay on the 2D Display.
    - Added the ability to include or exclude frames from a run.
    - Added the ability to overwrite Z locations during a run.
    - Changed the application and Automation Examples from targeting .NET Framework v4.7.2 to target .NET Framework v4.8.1.
    - Changed terminology related to device names to be more consistent. "Device Name" now always refers to a device's assigned name.
    - Changed Frame Analyzer to check for optical alignment.
    - Changed the report footer to improve information and alignment.
    - Changed BeamWidth results so they are no longer locked.
    - Changed the overheat warning dialog so that it no longer appears when

using the Automation Interface.
    - Changed IARunManager to allow users to set a position within the danger zone.
        - Note: It is still recommended to avoid capturing points within the danger zone to prevent damage to the device.
    - Fixed an issue that could cause reports generated from a loaded data file to contain incorrect device information.
    - Fixed an issue where offset and alignment results could be calculated incorrectly depending on localization settings.
    - Fixed an issue where caustic data points were not rendered in reports.
    - Fixed an issue where the Unsaved Data dialog did not appear when connecting to a new device.
    - Fixed an issue that could cause frame results to become out of sync between the Automation Interface and the application.
    - Fixed an issue where BPP was calculated incorrectly.
    - Fixed an issue where BeamWidthBasis and Wavelength could be adjusted when no device was connected.
    - Fixed an issue where the Start button was not disabled during a run initiated through the Automation Interface.
    - Fixed an issue where results were recalculated when a user changed the wavelength after a run.
    - Fixed an issue where the cancel button in the Unsaved Data Dialog would still continue with the action.
    - Removed BeamWidthBasisSettingAvailable from IAMeasurementSettings in the Automation Interface.
        - Attempts to set BeamWidthBasis when the device is unavailable are now ignored.

- v1.0.1 06/26/2023
    - Updated user guide to release revision.
- v1.0.0 06/14/2023
    - Initial Release

## Section 2 - Errata and Workarounds

We're working hard to find and eliminate all the bugs in this software product. However, as of this release we still have a few bugs for which we have not found complete solutions. The following list details these bugs and offers recovery and

work-around methods:

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# Section 3 - Application Notes

## Supported Operating Systems

- Windows 10/11 (64-bit)

## Documentation

A PDF version of the User Guide is included with the installation. You must have a PDF reader installed (such as Adobe Acrobat Reader) in order to view this file. You can install Adobe Acrobat Reader from the Acrobat Reader directory on the installation CD.

## Installation

- It is recommended that all users are fully updated to the latest Windows Updates. If all updates are not applied to your system this may cause problems with BeamPeek. Of particular note is .NET Framework 4.72, which is required for BeamPeek to run. If not installed on the system already, then it will be installed prior to the installation of BeamPeek. This update is included as part of Windows 10.
- To install BeamPeek software you must have Administrative privileges.
- For maximum performance a dedicated video card is recommended over on-motherboard video outputs.

## Troubleshooting and Reporting Bugs

If you suspect you have found a bug in our software please help us identify it by sending the following information to service.ophir.usa@mksinst.com.

1. A description of the actions that reproduce the problem.
2. The .bpSetup or .bpData file you were using at the time.
3. All files (if any) in the directory C:\ProgramData\Spiricon\BeamPeek\Logs.
4. All files (if any) in the directory C:\ProgramData\Spiricon\DataServer\Logs.

The more information you can provide, the more likely we can reproduce it in our lab, and fix it.

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