

# KST3300 Lens Cleaning Instructions

Rev A - 4/02/19

## Document Revision History

Revision	Date	Author	Changes
Rev A	04/02/19	Daniel Norris	Initial Doc Created

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## Items Required

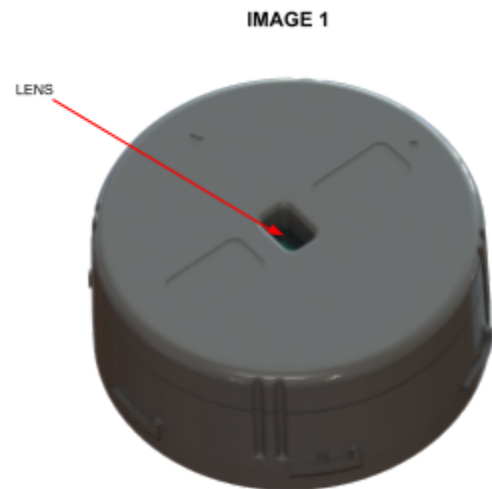
1. Cotton swabs
2. Distilled water
3. Compressed air
4. Water container

## When is Lens Cleaning Required

In order to ensure that the sensor operates optimally, lens cleaning may be periodically required. When a device is reporting a distance that is less than what it should be reporting, a dirty lens may be present.

## How to Clean the Lens

1. Place the sensor with the lens facing an upright position. *Note the lens is located in a small recess on the bottom side of the enclosure (see image 1).*
2. Pour distilled water into an accessible container.
3. Dip a cotton swab into the distilled water.
4. Press the cotton swab on the edge of the water container to remove excess water from the cotton swab.
5. Clean the lens using the wet cotton swab by gently wiping the lens.
6. Take some compressed air and gently blow the surface of the lens dry or use a dry cotton swab to gently dry the lens. Caution should be exercised so as not to leave any cotton strands or streaks behind.
7. Re-test the device to ensure that the incorrect distance reporting was corrected. If not, start at step 1 again.



## **FAQ's**

### ***Is a dirty lens always visible?***

Sometimes a dirty lens is visible (as seen in image 2) however, often times a small piece of dust, debris, or a watermark, will be covering the FOV (field of view) of the sensor and not be directly visible with the human eye.

### **Can chemicals be used to clean the lens?**

KST does not recommend using any chemicals.

### **How often does the lens need to be cleaned?**

The lens should only be cleaned when it impacts performance or is visibly dirty.

### **There is some white rubber like material running around the perimeter of the lens. Will this interfere with the optics?**

No, the white material is part of the enclosure design and will not interfere with the optics.

IMAGE 2

