# VISO SYSTEMS LabDisc

## User Manual

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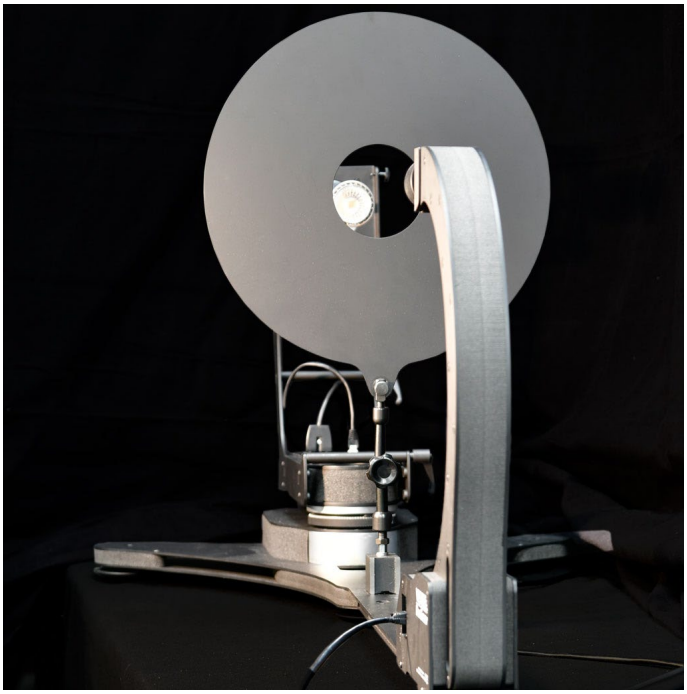


*Congratulations on purchasing your new Viso Systems LabDisc. Before using this product, please read the Safety Information.*

*This manual contains descriptions and troubleshooting necessary to install and operate your new Viso Systems product. Please review this manual thoroughly to ensure proper installation and operation.*

*For news, Q&A and support at Viso Systems, visit our website at www.visosystems.com*

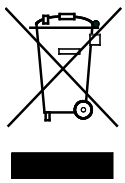
# Contents

Safety Information ..... 4
Disposing of this Product ..... 4
Introduction ..... 4
Shipping Dimensions ..... 5
LabDisc for LabSpion/BaseSpion - Introduction ..... 5
Installation procedure Labspion ..... 7
Installation procedure BaseSpion ..... 8

# Safety Information

*Warning! This product is not for household use.*

Read this manual before installing and operating the LabDisc, follow the safety warnings listed below, and study all the cautions in the manual.



# Disposing of this Product

Viso Systems products are supplied in compliance with Directive 2012/19/EU on waste - electrical and electronic equipment (WEEE) together with the RoHS Directive 2011/65/EU with amendments 2015/863. Help preserve the environment! Ensure that this product is recycled at the end of its lifetime. Your supplier can give details of local arrangements for the disposal of Viso Systems products.

# Introduction

### About this document

These guidelines describe the installation process of the LabDisc and distance setting procedure.

### About the LabDisc

LabDisc is an accessory to Viso LabSpion and BaseSpion light measurement systems. This adjustable baffle reduces straylight errors to a minimum by restricting your sensor's field of view.

## Shipping Dimensions

LabDisc BaseSpion Box: 470 x 370 x 180 mm (weight: 1,5 kg)
LabDisc LabSpion Box: 470x 370 x 180 mm (weight: 2 kg)

## LabDisc for LabSpion/BaseSpion - Introduction

**Application principle**

The LabDisc assembly consists of two parts. One part contains the clamp, arm, and screws, and one part contains the baffle disc. The same applies for the BaseSpion assembly.

The advantage of LabDisc is that it removes as much straylight as possible.

- Fits all Viso LabSpion tripods and Rails.
- Fits all BaseSpion rails (a powerful magnet mount replaces the clamp)

At the appropriate sensor distance, the baffle disc allows the sensor a full view to the whole light source while screening out all straylight from sidewalls, ceiling and floor.

The correct distance from the LabDisc to the sensor is approximately 40 cm.

Applicable to BaseSpion: In some cases, when measuring a small light source that emits a very narrow/concentrated light at long sensor distances, it may make sense to move the LabDisc closer to the light source to make sure that the sensor just sees the actual light source.

### LabDisc Components

The LabDisc for LabSpion contains:

| Qty | LabDisc – LabSpion parts | Image |
|---|---|---|
| 1 | Adjustable Arm |  |
| 1 | Disc Mounting plate |  |
| 1 | Straylight Disc |  |
| 2 | Screw M4x06 Buttonhead |  |
| 2 | Manfrotto 035 Super Clamp |  |

The LabDisc for BaseSpion contains:

| Qty | LabDisc – BaseSpion parts | Image |
|---|---|---|
| 1 | LabDisc Base Plate |  |
| 1 | LabDisc Stem |  |
| 1 | Straylight Plate |  |
| 4 | M3x12 Buttonhead Screw |  |
| 2 | M4x06 Buttonhead Screw |  |

| Qty | LabDisc – BaseSpion parts | Image |
|---|---|---|
| 2 | Rubber Coated ø22mm m4 magnet |  |
| 4 | F-F M3x12 Nylon Round Standoff |  |

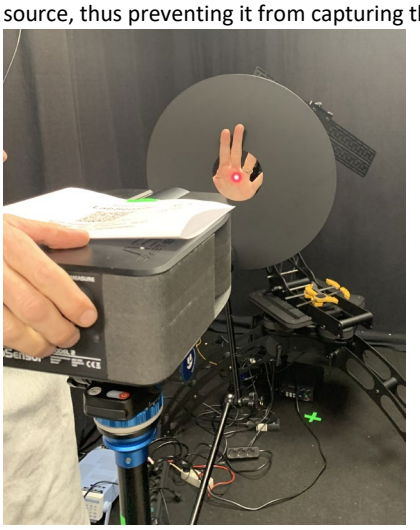
# Installation procedure LabSpion

1. Unpack all parts – and take care not to damage the components.
2. Securely affix the LabDisc grip to a tripod leg facing forward (rather than on the tripod stem).

3. When handling the LabDisc, hold it with your hand covering the center of the opening, utilizing a few fingers through the opening.

4. Substantially loosen the tightening knob on the middle of the arm to facilitate adjustment.
5. Activate the sensor laser function by pressing the laser button shortly once.
6. Orient the LabDisc in such a way that the laser aligns with the center of your hand. The correct distance from the LabDisc to the sensor is approximately 40 cm.
   Check that the distance to the front of the sensor head does not exceed 50

cm. If the distance is too long, the sensor may not “see” the whole light source. If the distance is too short, the disc will not be as effective in reducing straylight from the back wall behind the gonio.
Lack of center precision can prevent the sensor from “seeing” the whole light source, thus preventing it from capturing the whole lumen package.



7. Securely tighten the knob to maintain the LabDisc's configured position.
8. Retain the LabDisc in its designated position on the tripod even when relocating the equipment.

## Installation procedure BaseSpion

1. Unpack All parts – And take care not to damage the components. Assemble the base plate, stem and disc with the screw set.
2. The two rubber-coated magnets allow the LabDisc to be easily mounted on the BaseSpion rail

3. The complete LabDisc can now be placed freely on the rail. The correct distance from the LabDisc to the sensor is approximately 40 cm. Check that the distance to the front of the sensor head does not exceed 50 cm. If the distance is too long, the sensor may not “see” the whole light source. If the distance is too short, the disc will not be as effective in reducing straylight from the back wall behind the gonio.

4. In some cases, when measuring a small light source that emits a very narrow/concentrated light at long sensor distances, it may make sense to move the LabDisc closer to the light source to make sure that the sensor just sees the actual light source.