

# Compact Iris Module with Integrated IR Functionality

This compact module provides precise aperture control. It also features integrated infrared (IR) functionality.



## Overview

### Compact Iris Module with Integrated IR

The VIRIS145 is a high-precision compact iris module designed for advanced optical and imaging applications. It features integrated IR functionality and precise aperture control, making it suitable for security systems and specialized optical equipment. With a robust design and reliable mechanical actuation, this module offers consistent performance in demanding environments.

## Iris Specifications

### Iris Voltage Range

**3.3 V**

Start Voltage

**0.5 V**

Close Voltage

### Iris Resistance

Type	Resistance
Drive	190 $\Omega$ $\pm$ 10%
Deboost	500 $\Omega$ $\pm$ 10%

Maximum Effective Aperture

10.5 mm

## IR & Sensor Specs

### IR Voltage

**3.5 V**

Nominal IR Voltage

**4 V**

Max IR Voltage

IR Resistance

40 $\Omega$   $\pm$ 7%

Hall Voltage Range

55mV - 135mV

S Parameter

-35% to 35%

## Electrical Ratings

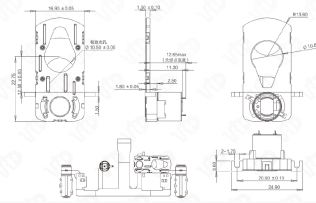
Maximum Output Voltage

6 V

## Dimensions

型号	规格书	物料号	最大外径	有效孔径	重量	焦距	有效焦距	分辨率
VIRIS145	2021.12	01 16mm	16.90 ± 0.05	10.50 ± 0.05	0.18g	1.8mm	1.8mm	1.4 μm

### 规格参考 Specification



Technical diagram detailing the dimensions and electrical specifications of the VIRIS145 module.

### Key Dimensions

- 16.90 ± 0.05mm
- 22.75mm
- 12.50 ± 0.05mm
- Effective Aperture:  $\varnothing 10.50 \pm 0.05\text{mm}$