

# Ultra Compact Machine Vision Solution



Stock **#26-089** [CONTACT US](#)

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+

€1.435<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | €1.435,00 each                |
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Note:

All electrical parts in kit are CE certified

Contents of Kit:

See Technical Information Tab

Regulatory Compliance

Certificate of Conformance:

[View](#)

## Product Details

- Kit Includes Camera, Imaging Lens, Light, and Accessories
- High Resolution and Exceptional Image Quality
- Ideal for OCR and Matte Object Inspection Applications

Ultra-Compact Machine Vision Solutions are kits designed for ease of assembly and integration into machine vision applications and systems in a small 80.5 x 75mm (3.17 x 2.95") form factor. The included TECHSPEC® Ultra Compact Fixed Focal Length Lens provides high resolution and exceptional image quality from a working distance of 200mm out to infinity, allowing for versatile spatial positioning. Paired with the included Allied Vision Alvium 1800 U-500m USB 3.1 Camera and an included Advanced Illumination High Intensity Ring Light, this solution features 2.2µm backside illuminated pixels and light intensity of 37W/m<sup>2</sup> at 100mm to provide a high Nyquist of approximately 227lp/mm. Ultra-Compact Machine Vision Solutions are ideal for a wide range of machine vision and factory automation applications such as optical character recognition (OCR) and matte metallic object finish inspection. Additionally, this all-in-one hardware solution is offered at a reduced price and can be utilized outside of an industrial environment and serve as an affordable machine vision system option for labs and universities.

**NOTE:** This solution features an Allied Vision Camera which is controlled using Allied Vision's VIMBA software that can be found and downloaded [here](#). Additional optional optomechanics for mounting can be found [here](#).

## Technical Information

| ULTRA-COMPACT MACHINE VISION SOLUTION KIT CONTENTS |                                                               |                                                                                               |
|----------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| QTY                                                | Stock No.                                                     | Description                                                                                   |
| 1                                                  | <a href="#">#33-304</a>                                       | 16mm UC Series Fixed Focal Length Lens                                                        |
| 1                                                  | <a href="#">#14-130</a>                                       | Allied Vision Alvium 1800 U-500m, 1/2.5" 5.0MP C-Mount, Right Angle USB 3.1 Monochrome Camera |
| 1                                                  | <a href="#">#88-484</a>                                       | 2.95" White Advanced Illumination High Intensity Ring Light                                   |
| 1                                                  | <a href="#">#88-494</a>                                       | M35.5 x 0.5 to M25.5 x 0.5 Adapter                                                            |
| 1                                                  | <a href="#">#66-855</a><br>or<br><a href="#">#33-773</a> (KR) | 24V Power Supply with Tinned Leads                                                            |
| 1                                                  | <a href="#">#14-156</a>                                       | M6 and ¼-20 Mounting Plate for Alvium                                                         |
| 1                                                  | <a href="#">#34-212</a>                                       | USB 3.0 Micro-B to Type-A Locking Cable, 8m                                                   |

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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