

JAI Apex, 1600T-USB, 1/2.9" 1.6MP, USB Color Camera



Stock #29-165 **1 In Stock**

- 1 + €3.160⁰⁰

ADD TO CART

Volume Pricing

Qty 1+	€3.160,00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

Color

Spectrum:

General

Color Camera

Type:

AP-1600T-USB

Model Number:

JAI

Manufacturer:

Camera Series:

Physical & Mechanical Properties**Dimensions (mm):**

44 x 44 x 74

Weight (g):

170

Housing:

Full

Sensor**Sensor Format:**

1/2.9"

Resolution (Megapixels):

1.60

Frame Rate (fps):

79.00

Pixels (H x V):

1,456 x 1,088

Pixel Size, H x V (µm):

3.45 x 3.45

Sensing Area, H x V (mm):

4.97 x 3.73

Imaging Sensor:

Sony IMX273

Type of Sensor:

3 Color RGB CMOS

Shutter Type:

Global

Pixel Depth:

12 bit

Machine Vision Standard:

USB3 Vision

Electrical**Power Consumption (W):**

5.3

Hardware & Interface Connectivity**Interface:**

USB 3.1 Gen 1

Connector:

USB

Power Supply:

Power Supply Required and Sold Separately.

USA: #29-172

Europe: #29-172

Japan: #29-172

Korea: Not Available

China: Not Available

Synchronization:

Hardware Trigger (GPIO) or Software Trigger

Interface Port Orientation:

Back Panel

GPIO Connector Type:

12-pin Hirose

Threading & Mounting**Mount:**

C-Mount

Environmental & Durability Factors**Operating Temperature (°C):**

-5 to +45

Storage Temperature (°C):

-25 to +60

Regulatory Compliance**Certificate of Conformance:**[View](#)**Product Details**

- High Color Fidelity and Spatial Precision versus Bayer Color Cameras
- More Accurate Per-Pixel Color Values, Steeper Spectral Curves, Sharper Resolution
- USB, GigE, and Medical Versions Available

JAI® APEX Series 3-Sensor Cameras are a range of 3-CMOS area scan cameras that provide better color fidelity and spatial precision than traditional Bayer color cameras. Utilizing a prism at the camera input, the incoming light is separated into red, green, and blue wavelengths which are each directed to separate red, green, and blue image sensors. These sensors deliver true red, green, and blue color outputs for more accurate per-pixel color values, steeper spectral curves, and sharper resolution. JAI® APEX Series 3-Sensor Cameras are available in 1.6 or 3.2 megapixel resolutions with USB or Gigabit Ethernet (GigE) outputs, and also available in a white housing with USB output that offers strict production screening and preventative measures to minimize dust, lint, or debris on the prism, sensor, or in the optical path for clinical environments and life science applications. These cameras are ideal for a range of medical and laboratory applications such as fluorescence microscopy, digital pathology, ophthalmology, endoscopy, surgical imaging, and medical quality inspection.
