

## JAI Apex, 1600T-USB-LSX, 1/2.9" 1.6MP, USB Color Camera white Dust Screen



Stock #29-167 **1 In Stock**

⊖ 1 ⊕ €4.095<sup>00</sup>

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### Volume Pricing

Qty 1+	€4.095,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

Color **Spectrum:**

### General

Color Camera **Type:**

AP-1600T-USB-LSX **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.

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