

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



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A\$5,056^{.00}

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Color		Spectrum:
General		
Color Camera		Type:
AP-1600T-USB		Model Number:
JAI		Manufacturer:
Apex		Camera Series:

Physical & Mechanical Properties

44 x44 x 74	Dimensions (mm):
170	Weight (g):
Full	Housing:

Sensor

1/2.9"	Sensor Format:
1.60	Resolution (Megapixels):
79.00	Frame Rate (fps):
1,456 x 1,088	Pixels (H x V):
3.45 x 3.45	Pixel Size, H x V (µm):
4.97 x 3.73	Sensing Area, H x V (mm):
Sony IMX273	Imaging Sensor:
3 Color RGB CMOS	Type of Sensor:
Global	Shutter Type:
12 bit	Pixel Depth:
USB3 Vision	Machine Vision Standard:

Electrical

5.3	Power Consumption (W):
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Hardware & Interface Connectivity

USB 3.1 Gen 1	Interface:
USB	Connector:
Power Supply Required and Sold Separately. USA: #29-172 Europe: #29-172 Japan: #29-172 Korea: Not Available China: Not Available	Power Supply:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
12-pin Hirose	GPIO Connector Type:

Threading & Mounting

C-Mount	Mount:
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Environmental & Durability Factors

-5 to +45	Operating Temperature (°C):
-25 to +60	Storage Temperature (°C):

Regulatory Compliance

View	Certificate of Conformance:
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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.
