

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



Stock **#29-165** [CONTACT US](#)

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1

+

€3.160⁰⁰

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Product Downloads

Color

Spectrum:

General

Color Camera

Type:

AP-1600T-USB

Model Number:

JAI

Manufacturer:

Camera Series:

Apex	
Physical & Mechanical Properties	
44 x 44 x 74	Dimensions (mm):
170	Weight (g):
Housing:	
Full	
Sensor	
1/2.9"	Sensor Format:
1.60	Resolution (Megapixels):
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.