

Allied Vision Alvium 1800 U-050m, 1/3.6" 0.5MP S-Mount, Right Angle USB 3.1 Monochrome Camera

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Allied Vision Alvium Camera, Full Housing, S-Mount, Right Angle IO Port (Front)



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Video Output:
USB 3.1 Gen 1

Type:
Monochrome Camera

Manufacturer: Allied Vision
Mounting Threads: ¼-20 and M6 with Tripod Mount Adapter #14-156
Image Buffer: 256KB
Camera Family: Avium Right Angle
Model Number: 1800 U-050m
Imaging Sensor: ON Semi PYTHON 480
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 1/3.6"
Resolution (MegaPixels): 0.50
Pixels (H x V): 808 x 608
Pixel Size, H x V (µm): 4.8 x 4.8
Sensing Area, H x V (mm): 3.9 x 2.9
Frame Rate (fps): 115.00
Pixel Depth: 8/10 bit
Exposure Time: 64µs - 10s
Connector: USB 3.1 Gen 1, Micro-B
Power Supply: Power over USB or via GPIO
Power Consumption (W): 1.5
GPIOs: 4 Programmable TTL GPIOs
Synchronization: Hardware Trigger (GPIO) or Software Trigger
Dimensions (mm): 33 x 32 x 29 (includes connectors and lens mount)
Weight (g): 65
Mount: M12 x 0.5 (S-Mount)
Housing: Full
Interface Port Orientation: Back Panel (Right Angle)
Dynamic Range (dB): 54
Operating Temperature (°C): +5 to +65
Storage Temperature (°C): -10 to +70
GPIO Connector Type: 7-pin JST
Machine Vision Standard: USB3 Vision v1.0, GenICam

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant