

Allied Vision Alvium 1800 U-040m, 1/2.9" 0.4MP S-Mount, Right Angle USB 3.1 Monochrome Camera (Partial Housing)

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Allied Vision Alvium Camera, Partial 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: Alvium Right Angle
Model Number: 1800 U-040m
Imaging Sensor: Sony IMX287
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 1/2.9"
Resolution (MegaPixels): 0.40
Pixels (H x V): 728 x 544
Pixel Size, H x V (µm): 6.9 x 6.9
Sensing Area, H x V (mm): 5.0 x 3.8
Frame Rate (fps): 281.00
Pixel Depth: 8/10/12 bit
Exposure Time: 177µs - 10s
Connector: USB 3.1 Gen 1, Micro-B
Power Supply: Power over USB or via GPIO
Power Consumption (W): 1.9
GPIOs: 4 Programmable TTL GPIOs
Synchronization: Hardware Trigger (GPIO) or Software Trigger
Dimensions (mm): 25 x 32 x 29 (includes connectors and lens mount)
Weight (g): 45
Mount: M12 x 0.5 (S-Mount)
Housing: Partial
Interface Port Orientation: Back Panel (Right Angle)
Dynamic Range (dB): 74
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