

Allied Vision Alvium 1800 U-240m, 1/2.3" 2.35MP S-Mount, Right Angle USB 3.1 Monochrome Camera

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Video Output:

USB 3.1 Gen 1

Type:

Monochrome Camera
Manufacturer: Allied Vision
Mounting Threads: 1/4-20 and M6 with Tripod Mount Adapter #14-156
Image Buffer: 256KB
Camera Family: Alvium Right Angle
Model Number: 1800 U-240m
Imaging Sensor: Sony IMX392
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 1/2.3"
Resolution (MegaPixels): 2.35
Pixels (H x V): 1,936 x 1,216
Pixel Size, H x V (µm): 3.45 x 3.45
Sensing Area, H x V (mm): 6.7 × 4.2
Frame Rate (fps): 126.00
Pixel Depth: 8/10/12 bit
Exposure Time: 25µs - 10s
Connector: USB 3.1 Gen 1, Micro-B
Power Supply: Power over USB or via GPIO
Power Consumption (W): 2.80
GPIOs: 4 Programmable TTL GPIOs
Synchronization: Hardware Trigger (GPIO) or Software Trigger
Dimensions (mm): 29 x 29 x 33 (includes connectors and lens mount)
Weight (g): 65
Mount: M12 x 0.5 (S-Mbunt)
Housing: Full
Interface Port Orientation: Back Panel (Right Angle)
Dynamic Range (dB): 72
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

