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Allied Vision Alvium 1800 U-1240m, 1/1.7" 12.22MP S-Mount, USB 3.1 Monochrome Camera

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Allied Vision Alvium USB 3.1 Cameras



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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
Model Number: 1800 U-1240m
Imaging Sensor: Sony IMX226
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 1/1.7"
Resolution (MegaPixels): 12.22
Pixels (H x V): 4,024 x 3,036
Pixel Size, H x V (µm): 1.85 x 1.85
Sensing Area, H x V (mm): 7.4 × 5.6
Frame Rate (fps): 29.00
Pixel Depth: 8/10 bit
Exposure Time: 13µs - 10s
Connector: USB 3.1 Gen 1, Micro-B
Power Supply: Power over USB or via GPIO
Power Consumption (W): 3.10
GPIOs: 4 Programmable TTL GPIOs
Synchronization: Hardware Trigger (GPIO) or Software Trigger
Dimensions (mm): 33 x 29 x 29 (includes connectors and lens mount)
Weight (g): 65
Mount: M12 x 0.5 (S-Mount)
Housing: Full
Interface Port Orientation: Back Panel
Dynamic Range (dB): 65
Operating Temperature (°C): -20 to +65 (housing temperature)
Storage Temperature (°C): -20 to +85
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