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Allied Vision Alvium 1800 U-052m, 1/1.7" 0.5MP C-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: Alvium
Model Number: 1800 U-052m
Imaging Sensor: Sony IMX426
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 1/1.7"
Resolution (MegaPixels): 0.52
Pixels (H x V): 816 x 624
Pixel Size, H x V (µm): 9 x 9
Sensing Area, H x V (mm): 7.3 × 5.6
Frame Rate (fps): 691.00
Pixel Depth: 8/10/12 bit
Exposure Time: 21µs - 10s
Connector: USB 3.1 Gen 1, Micro-B
Power Supply: Power over USB or via GPIO
Power Consumption (W): 4.00
GPIOs: 4 Programmable TTL GPIOs
Synchronization: Hardware Trigger (GPIO) or Software Trigger
Dimensions (mm): 13 x 26 x 26 (includes connectors and lens mount)
Weight (g): 65
Mount: C-Mount
Housing: Full
Interface Port Orientation: Back Panel
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