

Allied Vision Alvium 1800 U-2050m, 1" 20.2MP C-Mount, USB 3.1 Monochrome Camera (Partial Housing)

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Allied Vision Alvium Camera, Partial Housing (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
Model Number: 1800 U-2050m
Imaging Sensor: Sony IMX183
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Rolling
Camera Sensor Format: 1"
Resolution (MegaPixels): 20.20
Pixels (H x V): 5,496 x 3,672
Pixel Size, H x V (µm): 2.4 x 2.4
Sensing Area, H x V (mm): 13.1 x 8.8
Frame Rate (fps): 17.00
Pixel Depth: 8/10 bit
Exposure Time: 17µs - 10s
Connector: USB 3.1 Gen 1, Micro-B
Power Supply: Power over USB or via GPIO
Power Consumption (W): 3.2
GPIOs: 4 Programmable TTL GPIOs
Synchronization: Hardware Trigger (GPIO) or Software Trigger
Dimensions (mm): 30 x 29 x 29 (includes connectors and lens mount)
Weight (g): 45
Mount: C-Mount
Housing: Partial
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