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M1940, 1/1.2" Monochrome, Dalsa Genie Nano GigE PoE Camera

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Teledyne Dalsa Genie™ Nano GigE Power over Ethernet (PoE) Cameras



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Video Output:
GigE (PoE)

Type:
Monochrome Camera

Manufacturer:
Teledyne Dalsa

Mounting Threads: ¼-20 with Tripod Mount Adapter #34-966
Image Buffer: 90MB
Camera Family: Genie Nano-1GigE
Model Number: Nano-M1940
Imaging Sensor: Sony IMX174
Type of Sensor: Progressive Scan CMOS
Type of Shutter: Global
Camera Sensor Format: 1/1.2"
Resolution (MegaPixels): 2.30
Pixels (H x V): 1,920 x 1,200
Pixel Size, H x V (µm): 5.86 x 5.86
Sensing Area, H x V (mm): 11.25 x 7.03
Frame Rate (fps): 51.00
Pixel Depth: 8/10 bit
Exposure Time: Programmable or via external trigger
Connector: GigE, RJ45 with Screw Locks
Power Supply: Power over Ethernet (PoE) or via GPIO
Power Consumption (W): 3.6 - 4.6 (12VDC External Power Supply) 4.0 - 4.9 (PoE)
GPIOs: 2 digital input, 2 digital output
Synchronization: Hardware Trigger (GPIO), Software Trigger, Free-Run, or PTP (IEEE 1588)
Dimensions (mm): 40.6 x 29.0 x 44.0 (includes connectors and lens mount)
Weight (g): 46
Mount: C-Mount
Housing: Full
Interface Port Orientation: Back Panel
Dynamic Range (dB): 68.3
Operating Temperature (°C): -20 to +60
Storage Temperature (°C): -40 to +80
GPIO Connector Type: 10-pin Samtec
Machine Vision Standard: GigE Vision v1.2
Software: Windows, Linux, or 3rd party GenICam complaint SDK

Regulatory Compliance

RoHS: Compliant
REACH 201: Compliant
Certificate of Conformance: View

