Overview

Small compact GigE Vision camera with uncompromised image quality.

The Genie TS-C1920 uses the Cmosis CMOS, CMV2000 Color HD format sensor with a resolution of 2048 x 1080. Teledyne DALSA’s “Burst Mode” feature allows for image capture rates of 70 fps in 2M pixels resolution while maintaining exceptional image quality. The Genie TS-C1920 takes advantage of gigabit Ethernet technology, transmitting data over standard CAT-5e and CAT-6 cables to distances of up to 100 m. Like all Genie cameras, the TS-C1920 is based on AIA (Automated Imaging Association) GigE Vision Standard to directly link the camera to a PC.

Specs

Active Resolution 2048 x 1080
Acquisition Frame Rate 70 fps
Data Output Transfer Gigabit Ethernet, also supports 100 Mbps
Pixel Size 5.5 μm
Data Format 8 and 10-bits
Exposure Control Automatic, Programmable, or via External Trigger
Dynamic Range 58 dB
Gain Control Automatic, Manual
I/O Ports 4 opto-isolated input, 4 opto-isolated output, 3 motorized Control, RS-485 Port, and RS-232 Port
Image Buffer 512MB of On-board memory
Lens Mount CS-MOUNT
Size 49 mm x 49 mm x 54 mm
Mass ~196 g
Operating Temp -20 to +60c
Power Supply 12 to 24V or Power Over Ethernet (POE)
Power Dissipation ~4.5 to 5.5W
Data Connector Standard or Screw mount RJ-45
Power and I/O Micro-D 25-pin and 4-pin auto-Iris
Regulatory Compliance FCC Class A, CE, RoHs 2004/105/EC
Camera Specification GigE Vision v1.2 Compliant
Software Platform Teledyne DALSA Sapera LT or 3rd Party Genicam Compliant SDK
Part Number G2-GC10-T1921

Typical Applications

- Electronics manufacturing inspection
- Industrial metrology
- Intelligent traffic systems
Genie TS-C1920
Area Scan Monochrome Cameras

All Genie cameras feature value added functionality designed specifically for imaging and machine vision applications. All features are easily accessible with Teledyne DALSA’s advanced software tools. These tools deliver superior image capture, performance, and control.

Genie TS-C1920
Area Scan Monochrome Cameras

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Teledyne DALSA has its corporate offices in Waterloo, Canada

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