
Camera for Multi-Camera Systems - mvBlueCOUGAR-X100wG-POE

Short description: PoE - Gigabit Ethernet Camera 1/3" CMOS,
752x480, 117fps, mono, IR cut filter

Order number: 4-22-386



Characteristics

- compact GigE area scan camera for industrial applications
 - 1/3" CMOS monochrom sensor with VGA resolution
 - industrial GigE Vision interface with Power over Ethernet
 - RJ45 Ethernet connection with screw connector for safe operation
 - C-mount lens connection
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Technical data

Sensor Data

Sensor name	ON Semi MT9V034
Chroma	Monochrome
Sensor technology	CMOS
Readout method	Pipelined / Global
Sensorformat	1/3"
Sensor diagonal	6.0 mm
Resolution total	752 x 480
Number of pixel	0.3 MPixel
Pixel size	6 µm x 6 µm
Frame rate	117 fps
Shutter (exposure time)	10 µs ... 460 ms

Camera Data

Family	Matrix Vision - mvBlueCOUGAR-X
Type	GigE Vision area scan camera
Interfaces	GigE Vision with PoE opto-decoupled I/Os 2x IN, 4x OUT

General Data

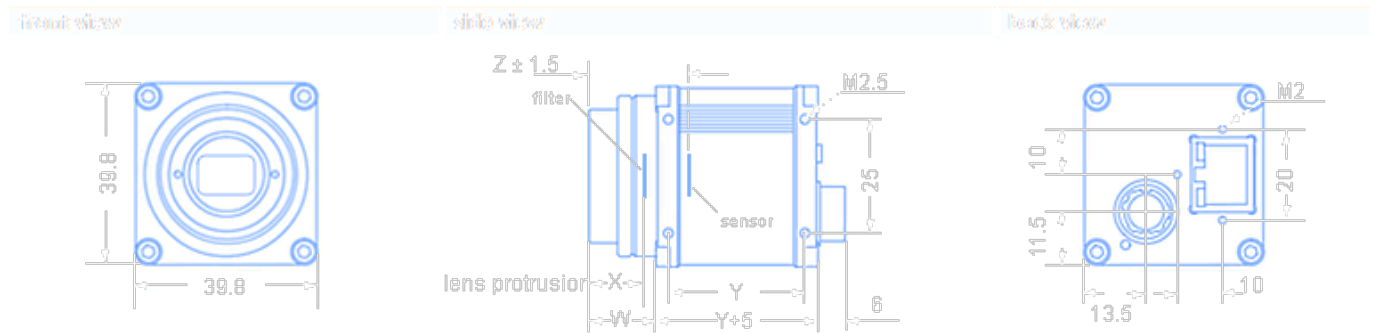
Power requirements	Power over Ethernet (PoE) 12 V - 24 VDC AUX (12-pin Hirose)
Power consumption	< 6.5 W
Lens mount	C-Mount
Dimensions	39.8 mm x 39.8 mm x 35 mm
Weight	110 g
Operating temperature	0 °C ... 45 °C

Accessories for Cameras for Multi-Camera Systems - mvBlueCOUGAR-X100wG-POE

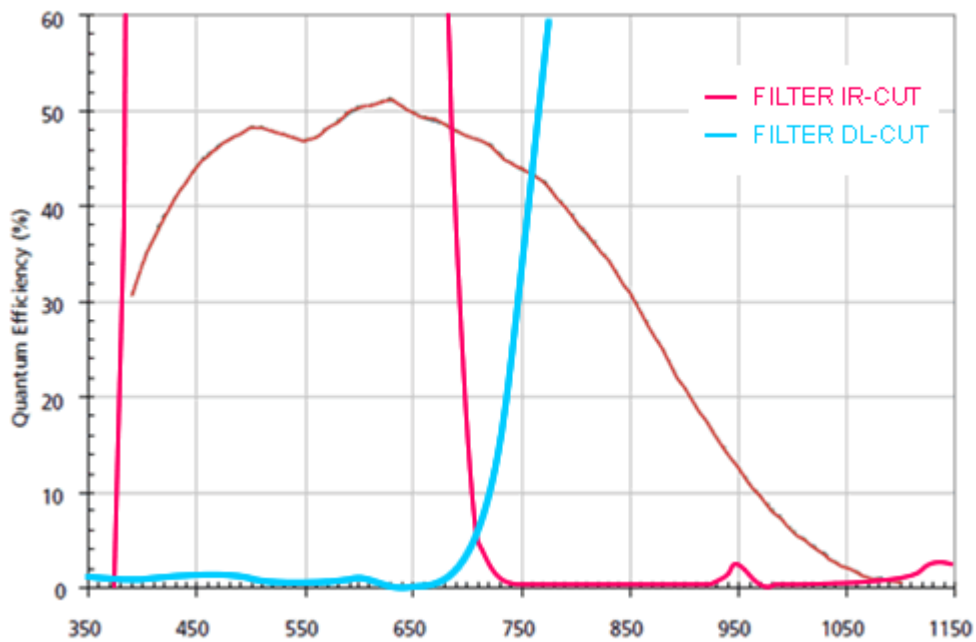
Order number	Title	Description
Ethernet Cables		
4-44-182	GigE cable, CAT.6, DC, 3m	RJ45/RJ45, 1 x screw lock, drag chain capable, for GigE Vision cameras
4-44-192	GigE cable, CAT.6, T, 3m	RJ45/RJ45, 1 x screw lock, torsion-capable: $\pm 180^\circ/\text{m}$, for GigE Vision cameras
4-44-186	GigE cable, CAT.6, 3m, 90°d	RJ45/RJ45, 90° angled downwards, in tight spaces, for GigE Vision cameras
4-44-189	GigE cable, CAT.6, 3m, 90°u	RJ45/RJ45, 90° angled upwards, in tight spaces, for GigE Vision cameras
4-44-183	GigE cable, CAT.6, DC, 5m	RJ45/RJ45, 1 x screw lock, drag chain capable, for GigE Vision cameras
4-44-193	GigE cable, CAT.6, T, 5m	RJ45/RJ45, 1 x screw lock, torsion-capable: $\pm 180^\circ/\text{m}$, for GigE Vision cameras
4-44-187	GigE cable, CAT.6, 5m, 90°d	RJ45/RJ45, 90° angled downwards, in tight spaces, for GigE Vision cameras
4-44-190	GigE cable, CAT.6, 5m, 90°u	RJ45/RJ45, 90° angled upwards, in tight spaces, for GigE Vision cameras
4-44-184	GigE cable, CAT.6, DC, 10m	RJ45/RJ45, 1 x screw lock, drag chain capable, for GigE Vision cameras
4-44-194	GigE cable, CAT.6, T, 10m	RJ45/RJ45, 1 x screw lock, torsion-capable: $\pm 180^\circ/\text{m}$, for GigE Vision cameras
4-44-188	GigE cable, CAT.6, 10m, 90°d	RJ45/RJ45, 90° angled downwards, in tight spaces, for GigE Vision cameras
4-44-191	GigE cable, CAT.6, 10m, 90°u	RJ45/RJ45, 90° angled upwards, in tight spaces, for GigE Vision cameras
4-44-185	GigE cable, CAT.6, DC, 25m	RJ45/RJ45, 1 x screw lock, drag chain capable, for GigE Vision cameras
4-40-120	GigE cabel, CAT.6a, 3m	RJ45/RJ45, 1200 MHz, grey, for GigE Vision cameras
PLC-Power Cables		
4-44-197	PLC-power cable, 12p, DC, 5m	HR10A-10P-12S, plug with socket contacts to open cable end, drag chain capable

Order number	Title	Description
4-44-198	PLC-power cable, 12p, DC, 10m	HR10A-10P-12S, plug with socket contacts to open cable end, drag chain capable
<i>Power Supply</i>		
4-40-245	Desk. power supply 12 VDC BCS	MV-DC1201 BCS, length 3 m, for mvBlueCOUGAR
4-40-246	Desk. power supply 12 VDC BCSX	MV-DC1201 BCSX IO REV2, with I/O on separate cable, for mvBlueCOUGAR
4-40-244	Tripodadapter MV-BC-X	tripod adapter, UNC 1/4-20, for mvBlueCOUGAR

Drawings



Dimensional drawing in mm



Quantum Efficiency