CREVIS

GigE Vision Cameras

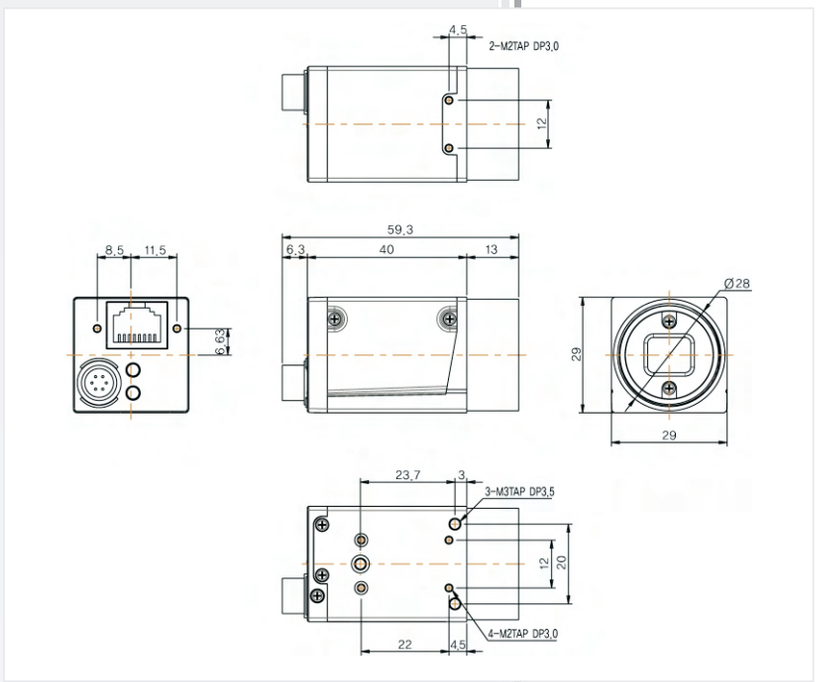
Possible to use without any frame grabber as a GigE Vision Standard camera.
GigE Cameras have various resolutions from VGA to 5Mega.

GigE cameras are user-friendly as the compact size, 29mmx29mmx40mm.

Key Features

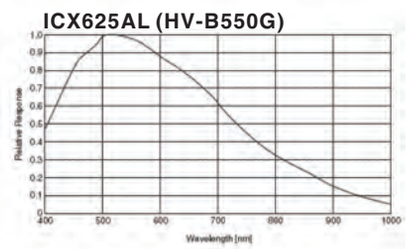
- Low CPU usage
  - GPU Processing, CUDA, Filter driver
- Various interfaces
  - HALCON, Labview, Mil, Common vision blox
- Camera standard
  - GenICam, GigE Vision

Dimension

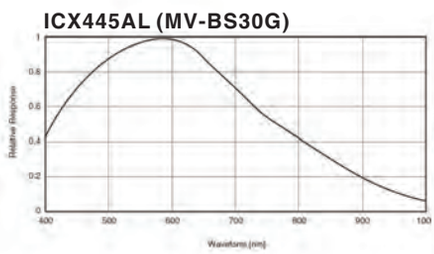


Sensor Specification

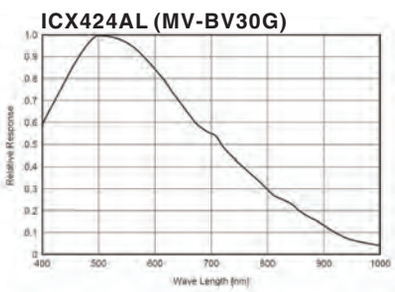
ICX625AL (HV-B550G)



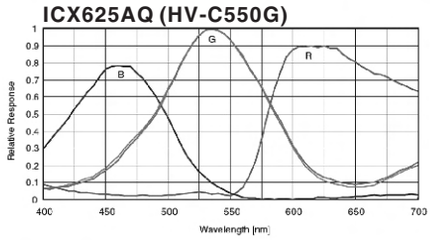
ICX445AL (MV-BS30G)



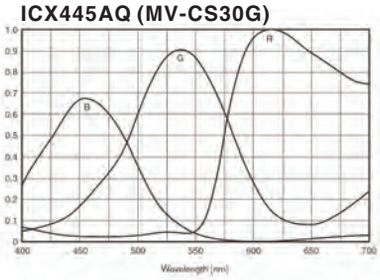
ICX424AL (MV-BV30G)



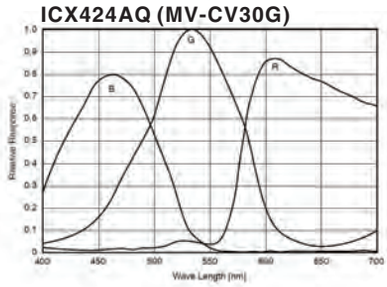
ICX625AQ (HV-C550G)



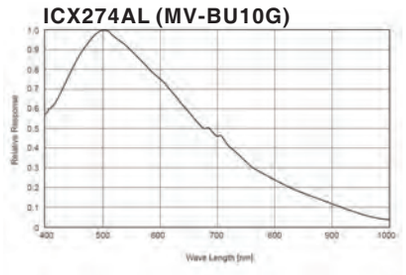
ICX445AQ (MV-CS30G)



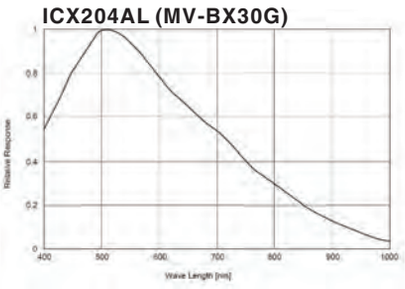
ICX424AQ (MV-CV30G)



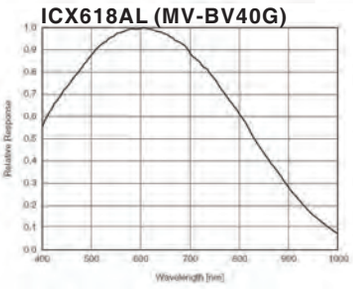
ICX274AL (MV-BU10G)



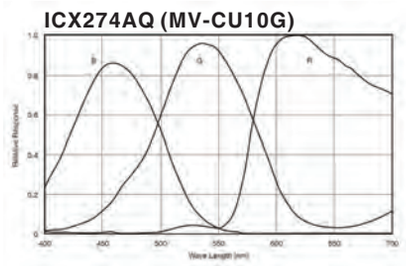
ICX204AL (MV-BX30G)



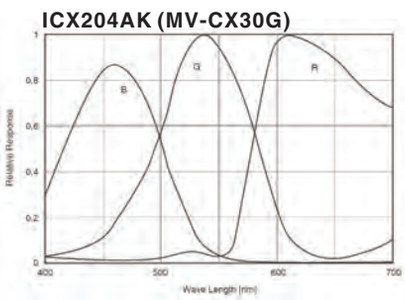
ICX618AL (MV-BV40G)



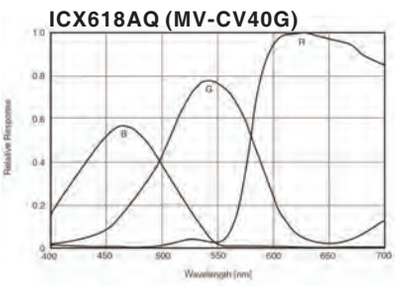
ICX274AQ (MV-CU10G)



ICX204AK (MV-CX30G)



ICX618AQ (MV-CV40G)



GigE Vision

Industrial Control & Camera Technology

Model	HV-B550G HV-C550G	MV-BU10G MV-CU10G
Sensor Size	2/3inch (9.93mm x 8.70mm)	1/1.8inch (8.50mm x 6.80mm)
Sensor Type	CCD, Sony ICX625AL CCD, Sony ICX625AQ	CCD, Sony ICX274AL CCD, Sony ICX274AQ
Resolution	2456(H) x 2058(V)	1628(H) x 1236(V)
Pixel Size	3.45㎛ x 3.45㎛	4.4㎛ x 4.4㎛
Max. Frame Rate	15 fps	20 fps
Image Buffer	64 MB	
AOI Modes	Vertical + Horizontal	
Binning Modes	Vertical (HV-B550G / MV-BU10G)	
Sychronization	Free-run, External Trigger, Software trigger via PC	
Trigger Modes	OFF, Fixed shutter mode Pulse width mode Software trigger mode	
GPIO	Opto-isolated Input(Trigger) x 1 Opto-isolated Output(Strobe) x1	
Shutter	Global	
Shutter Speed	20ns ~ 1/AcquisitionFrameRate	
Pixel Data Formats	Mono8/10/12, Mono10/12Packed BayerRG8/10/12, BayerRG10/12Packed, YUV422Packed, RGB8Packed	
CDS	14 bit	
Gain	0~18dB	
Gamma	1 or LUT(12bit to 12bit)	
Exposure Control	programmable via the camera API External trigger signal	
Indicator	Trigger Input, Link error, IP state	
Interface	Ethernet 1000 Base-T(Gigabit Ethernet)	
Lens Mount	C Mount	
Power Requirements	12VDC ± 10% , PoE(Power over Ethernet 802.3af compliant)	
Weight	< 130g	< 60g
Dimensions	44 x 44 x 41 [mm]	29 x 29 x 40 [mm]
Temperature	-5℃ to 45℃ (Operating) -10℃ to 50℃ (Storage)	
Power Consumption	5.5W	2.9W
Comformity	CE, RoHS, GigE Vision, GenICam, PoE (IEEE 802.3af), WEEE	
Warranty	18 month	

Specification

MV-BS30G	MV-BX30G	MV-BV30G	MV-BV40G
MV-CS30G	MV-CX30G	MV-CV30G	MV-CV40G
1/3inch (6.26mm x 5.01mm)	1/3inch (5.80mm x 4.92mm)	1/3inch (5.79mm x 4.89mm)	1/4inch (4.46mm x 3.80mm)
CCD, Sony ICX445AL	CCD, Sony ICX204AL	CCD, Sony ICX424AL	CCD, Sony ICX618AL
CCD, Sony ICX445AQ	CCD, Sony ICX204AK	CCD, Sony ICX424AQ	CCD, Sony ICX618AQ
1296(H) x 966(V)	1034(H) x 779(V)	659(H) x 494(V)	
3.75㎛ x 3.75㎛	4.65㎛ x 4.65㎛	7.4㎛ x 7.4㎛	5.6㎛ x 5.6㎛
30 fps	40 fps	120 fps	
64 MB			
Vertical + Horizontal			
Vertical (MV-BS30G / MV-BX30G / MV-BV30G / MV-BV40G)			
Free-run, External Trigger, Software trigger via PC			
OFF, Fixed shutter mode			
Pulse width mode			
Software trigger mode			
Opto-isolated Input(Trigger) x 1			
Opto-isolated Output(Strobe) x1			
Global			
20ns ~ 1/AcquisitionFrameRate			
Mono8/10/12, Mono10/12Packed			
BayerRG8/10/12, BayerRG10/12Packed, YUV422Packed, RGB8Packed			
14 bit			
0~18dB			
1 or LUT(12bit to 12bit)			
programmable via the camera API			
External trigger signal			
Trigger Input, Link error, IP state			
Ethernet 1000 Base-T(Gigabit Ethernet)			
C Mount			
12VDC ± 10% , PoE(Power over Ethernet 802.3af compliant)			
< 60g			
29 x 29 x 40 [mm]			
-5℃ to 45℃ (Operating)			
-10℃ to 50℃ (Storage)			
2.1W	2.4W	2.2W	
CE, RoHS, GenICam,GigE Vision, PoE (IEEE 802.3af), WEEE			
18 month			

CREVIS

Industrial Control & Camera Technology

GigE Vision Camera

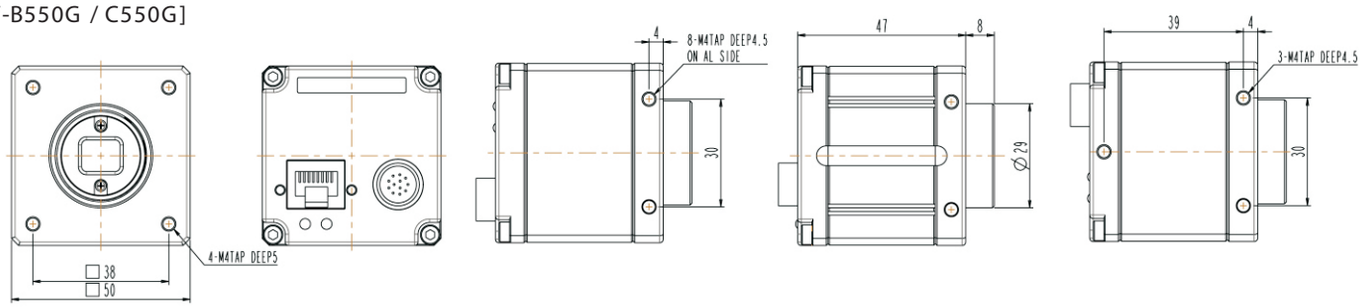
- Low CPU usage
  - GPU processing (CUDA)
- Various interfaces
  - HALCON, Labview
- Camera standard
  - GenIcam, GigE Vision

Specifications

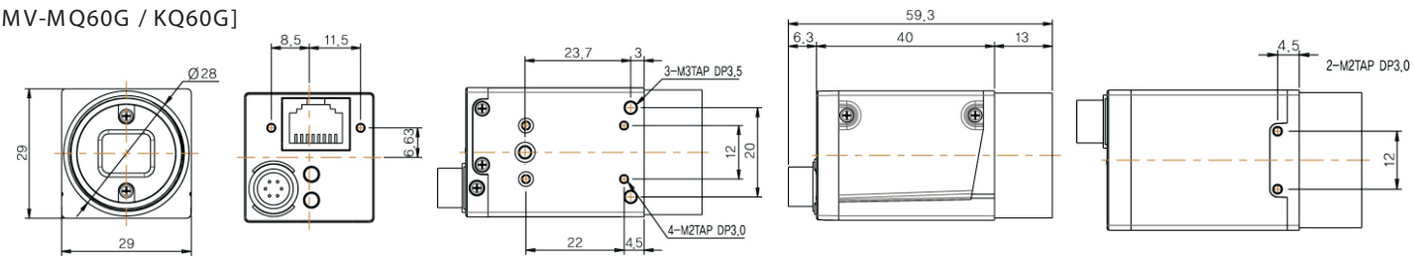
Model	HV-B550G HV-C550G	MV-MQ60G MV-KQ60G
Sensor	Sony ICX625AL(Q)	Aptina MT9P031
Resolution	2456 x 2058	2560 x 1920
Sensor Size	2/3 inch	1/2.5 inch
Pixel Size	3.45㎛ x 3.45㎛	2.2㎛ x 2.2㎛
Frame rate	15 fps	14 fps
Gain	0~18 dB	
Mount	C Mount	
Digital I/F	Ethernet 1000 Base-T (GigE Vision)	
Data Format	Mono 8/10/12, Mono 10/12 packed BayerRG8/10/12, BayerRG10/12 Packed, YUV422 Packed, RGB8 Packed	
Gamma	Support 1/2 or 1/4 bit	
Dimension	50 x 50 x 47mm	29 x 29 x 40mm

Dimensions

[HV-B550G / C550G]



[MV-MQ60G / KQ60G]



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