Microview

ROSA Datasheet

ROSA-GE

ROSA-USB3

Version	V1.0.0.1
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Small, but powerful

Rosa series industrial camera, with resolution from VGA to 14M, convers spectrum from visiable to NIR. Rosa has the popular GigE and USB3 interface. The light-weight aluminium alloy housing, 38*38mm small profile, excellent electrical and heat dissipation performance, all that make rosa a perfect machine vision component.

Based on years experience in development of embeded image processing products, rosa integrates all the ISPs that you may need.

Fully compatible with GigE Vision specification, seamlessly work with third party software like NI Labview, Cognex VisionPro.
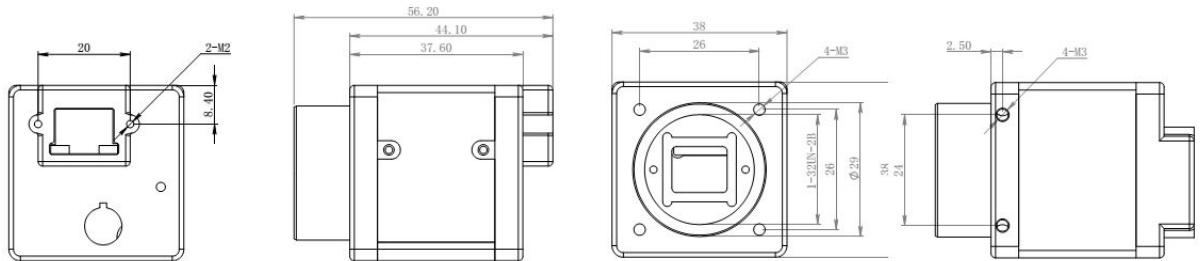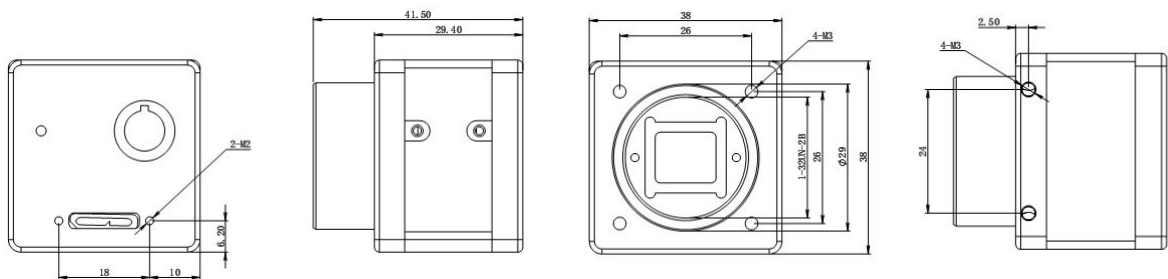
Low price, but high quality and excellent performance.

ROSA series industrial camera

- GigE and USB3 interface
- Resolution from VGA to 14M
- Spectrum from visiable to NIR
- Fully compatible with GigE Vision standard
- Excellent performance-cost ratio

ROSA-GE Dimensions

ROSA-USB3 Dimensions

ROSA-GE Parameters

ROSA-GE	rs-A361-gm/gc60	rs-A1000-gm30	rs-A1300-gm/gc60	rs-A1500-gm60 NIR
Main Parameters				
Resolution (H*V)	752*480	1280*1024	1280*1024	1280*1024
Image Sensor	Aptina MT9V024	Aptina MT9M001	e2v EV76C560	e2v EV76C660
Size of Sensor	1/3"	1/2"	1/1.8"	1/1.8"
Size of Pixel (um*um)	6*6	5.2*5.2	5.3*5.3	5.3*5.3
Shutter Type	Global Shutter	Rolling Shutter	Global Shutter	Global/Rolling Shutter
Frame Rate (Hz)	60	30	60	60
Type	Mono/Bayer	Mono	Mono/Bayer	Mono
Image Type	Raw8 / Raw10 / Raw12 / Mono8 / Mono10 / Mono12 BGR8 / RGB8 YUV444 / YUV422 / YUV411			
Interface	GigE			
Mechanical / IO				
Size mm(L*W*H)	38*38*37.6			
Housing Temperature	< 60°C			
Lens	C			
IO Interface	One opto input, one opto output			
Power Supply	12V DC			
Power Consumption(W)	3.5	3.5	3.7	3.7
Software & Driver				
Driver	eBUS Universal / eBUS Optimal			
OS	Windows XP / Vista / 7 / 8 / Server 2003 / Server 2008 Linux RedHat / SUSE / Ubuntu			

ROSA-GE Parameters:

ROSA-GE	rs-A2300-gm/gc50 NIR	rs-A5001-gm/gc14	rs-A10K-gm/gc7	rs-A14K-gc6
Main Parameters				
Resolution (H*V)	1600*1200	2592*1944	3664*2748	4384*3288
Image Sensor	e2v EV76C570	Aptina MT9P031	Aptina MT9J003	Aptina MT9F002
Size of Sensor	1/1.8"	1/2.5"	1/2.3"	1/2.3"
Size of Pixel (um*um)	4.5*4.5	2.2*2.2	1.67*1.67	1.4*1.4
Shutter Type	Global Shutter	Rolling Shutter	Rolling Shutter	Rolling Shutter
Frame Rate (Hz)	50	14	7.5	6.3
Type	Mono/Bayer	Mono/Bayer	Mono/Bayer	Bayer
Image Type	Raw8 / Raw10 / Raw12 / Mono8 / Mono10 / Mono12 BGR8 / RGB8 YUV444 / YUV422 / YUV411			
Interface	GigE			
Mechanical / IO				
Size mm(L*W*H)	38*38*37.6			
Housing Temperature	< 60℃			
Lens	C			
IO Interface	One opto input, one opto output			
Power Supply	12V DC			
Power Consumption(W)	3.8	3.5	3.5	3.5
Software & Driver				
Driver	eBUS Universal / eBUS Optimal			
OS	Windows XP / Vista / 7 / 8 / Server 2003 / Server 2008 Linux RedHat / SUSE / Ubuntu			

ROSA-USB3 Parameters:

ROSA-U3	rs-A1300-um/uc60	rs-A1500-um60 NIR	rs-A2300-um/uc50 NIR	rs-A5001-um/uc14	rs-A10K-um/uc15	rs-A14K-uc13
Main Parameters						
Resolution（H*V）	1280*1024	1280*1024	1600*1200	2592*1944	3664*2748	4384*3288
Image Sensor	e2v EV76C560	e2v EV76C660	e2v EV76C570	Aptina MT9P031	Aptina MT9J003	Aptina MT9F002
Size of Sensor	1/1.8"	1/1.8"	1/1.8"	1/2.5"	1/2.3"	1/2.3"
Size of Pixel（um*um）	5.3*5.3	5.3*5.3	4.5*4.5	2.2*2.2	1.67*1.67	1.4*1.4
Shutter Type	Global Shutter	Global/Rolling Shutter	Global Shutter	Rolling Shutter	Rolling Shutter	Rolling Shutter
Frame Rate（Hz）	60	60	50	14	15	6.3
Type	Mono/Bayer	Mono	Mono/Bayer	Mono/Bayer	Mono/Bayer	Bayer
Image Type	Raw8 / Raw10 / Raw12 / Mono8 / Mono10 / Mono12 BGR8 / RGB8 YUV444 / YUV422 / YUV411					
Interface	USB3.0					
Mechanical / IO						
Size mm(L*W*H)	38mm*38mm*29.4mm					
Housing Temperature	< 60℃					
Lens	C					
IO Interface	One opto input, one opto output					
Power Supply						
Power Consumption(W)	1.7	1.7	1.8	1.9	2.3	2.3
Software & Driver						
Driver	Microview SDK					
OS	Windows XP / 7 / 8 / Server 2003 / Server 2008 Linux RedHat / SUSE / Ubuntu					