ROSEEK®

Ruishi Machine Vision Technology

www.roseek.com

ISO 9001:2008 Certified

EagleEye2 Series

Smart Camera

Application

- Traffic: Checkpoint, Mobile police
- Surveillance: HD Surveillance with Video Analysis

Feature

- Progressive CCD sensors for high image quality with reduced motion blur
- The embedded DSP (TMS320DM642 at 600MHz) system for user's embedded program, with FPGA for image preprocess
- Stable real time OS and rich APIs
- Diversified functions with abundant experience of ITS helps users easy to suit the field applications well
- Operation condition -40°C to +80°C without fans, with rugged full metal casing
- Detailed documents and mature SDK help user to achieve custom embedded traffic system

ROSEEK®

EagleEye2 Series
Smart Camera

Specifications

Camera		RMVA200SCB	RMVA210SC	RMVA280SC	RMVA230SC	RMVA260SC
Description		1.4M pixels smart camera	2M pixels smart camera		5M pixels smart camera	
Image Sensor		color progressive scan CCD				
Sensor Size		1/2 inch	1/1.8 inch	3/4 inch	2/3 inch	4/3 inch
Resolution(HxV)		1360x1024	1616x1232	1920x1088	2448x2048	3744x1408
Pixel Size(HxV)		4.65x4.65μm	4.4x4.4μm	5.5x5.5μm	3.45x3.45μm	4.75x9.5μm
Frame Rate	Full	14fps	15fps	15fps	15fps	10fps
	High fps	56fps(1360x256)	30fps(800x560)	15fps(960x544)	15fps(1216x1024)	10fps(1872fps1408)
Exposure Time		1 to 125000 microsecond (1 microsecond per step)				
Gain Range		0 to 36dB	0 to 22dB	0 to 36dB		
Lens Adapter		C mount				F mount
AD Converter		12 bit				
Pixel Format		Bayer, RGB, YUV, JPEG		Bayer, JPEG		
Video Streaming		motion JPEG				
Protocols		10/100M RJ45 connector for TCP/IP, UDP, PPPOE etc				
SD Support		1 micro SDHC card slot				
Power		12VDC±20%				
Consumption		3W	3.5W	5W		
Operation Condition		-40°C to +80°C				
Dimensions		52×48×110mm				52x48x140mm
Standards		CE				
Application		Checkpoint, Mobile Police			Checkpoint	

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ROSEEK®

EagleEye3 Series

Smart Camera

Application

- Traffic: Checkpoint, Mobile police
- Car Park: Intelligent Management for Car park
- Surveillance: HD Surveillance with Video Analysis

Feature

- Progressive CCD sensors for high image quality with reduced motion blur
- The embedded DSP(TMS320DM648 at 900MHz) system for user's embedded program, with FPGA for image preprocess
- Stable real time OS and rich APIs
- An dedicated H.264 encoder ASIC frees DSP system from encoding consumption
- Diversified functions with abundant experience of ITS helps users easy to suit the field applications well
- The program is primarily compatible with EagleEye2 Series smart cameras
- Operation condition -40°C to +80°C without fans, with rugged full metal casing
- Detailed documents and mature SDK help user to achieve custom embedded traffic system

ROSEEK®

EagleEye3 Series
Smart Camera

Specifications

Camera		RMVA310SC	RMVA380SC	RMVA330SC	RMVA360SC	RMVA390SC
Description		2M pixels smart camera		5M pixels smart camera		8M pixels smart camera
Image Sensor		color progressive scan CCD				
Sensor Size		1/1.8 inch	3/4 inch	2/3 inch	4/3 inch	
Resolution(HxV)		1616x1232	1920x1088	2448x2048	3744x1408	3296x2464
Pixel Size(HxV)		4.4x4.4μm	5.5x5.5μm	3.45x3.45μm	4.75x9.5μm	5.5x5.5μm
Frame Rate	Full	15/25fps	15fps	15fps	12.5fps	12.5fps
	High fps	30fps(800x560)	15fps(960x544)	15fps(1216x1024)	12.5fps(1872x1408)	NA
Exposure Time		1 to 125000 microsecond (1 microsecond per step)				
Gain Range		0 to 36dB				
Lens Adapter		C mount			F mount	
Iris Control		DC iris drive			NA	
AD Converter		14 bit				
Pixel Format		Bayer, RGB, YUV, JPEG				
Video Streaming		H.264 streaming and/or motion JPEG				
Protocols		A 10/100/1000M RJ45 connector and a Giga SFP fiber connector for TCP/IP, UDP, PPPOE etc				
SD Support		2 micro SDHC card slots				
Power		12VDC±20%				
Consumption	Enable H.264	8.5W	9W	9W	9.5W	10W
	Disable H.264	7W	7.5W	7.5W	8W	8.5W
Operation Condition		-40°C to +80°C				
Dimensions		65x65x138mm			65x65x168mm	
Standards		CE				
Application		Checkpoint, Mobile Police			Checkpoint	

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ROSEEK®

Viper1 Series
Smart Camera for car park

Application

- Car Park: Automatic Car park Management
- Surveillance: HD Surveillance with Video Analysis

Feature

- Progressive CCD sensors for high image quality with reduced motion blur
- The embedded DSP(TMS320DM642 at 600MHz) system for user's embedded program, with FPGA for image preprocess
- Stable real time OS and rich APIs
- Optimized for car park management, low cost
- Operation condition -40°C to +80°C without fans, with rugged full metal casing
- Detailed documents and mature SDK help user to achieve custom embedded traffic system

ROSEEK®

Viper1 Series
Smart Camera for car park

Specifications

Camera	RSVP120SC	RSVP120SI	RSVP110SC	RSVP110SI
Description	1.25M pixels smart camera		2M pixels smart camera	
Image Sensor	color progressive scan CCD			
Sensor Size	1/3 inch		1/1.8 inch	
Filter	400-645nm(visible)	850nm(near infrared)	400-645nm(visible)	850nm(near infrared)
Resolution(HxV)	1280x960		1616x1232	
Pixel Size(HxV)	3.75x3.75μm		4.4x4.4μm	
Frame Rate Full	25fps		15fps	
Exposure Time	1 to 125000 microsecond (1 microsecond per step)			
Gain Range	0 to 36dB			
Lens Adapter	CS/C mount			
Iris Control	DC iris drive			
AD Converter	14 bit			
Pixel Format	Bayer, RGB, YUV, JPEG			
Video Streaming	motion JPEG			
Protocols	10/100M RJ45 connector for TCP/IP, UDP, PPPOE etc			
SD Support	1 micro SDHC card slot			
Power	12VDC±20%			
Consumption	3.5W			
Operation Condition	-40°C to +80°C			
Dimensions	52×48×110mm			
Standards	CE			
Application	Automatic Car park Management			

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ROSEEK®

GigaEye2 Series
Giga Ethernet Digital Camera

Application

- Traffic: Checkpoint, Mobile police
- Car Park: Intelligent Management for Car park

Feature

- Progressive CCD sensors for high image quality with reduced motion blur
- Giga Ethernet achieves high speed transmission
- Operation condition -40°C to +80°C without fans, with rugged full metal casing
- Detailed documents describe the TCP/IP socket commands, which is compatible with all kinds of OS

ROSEEK®

GigaEye2 Series
Giga Ethernet Digital Camera

Specifications

Camera		RSGE210SC	RSGE280SC	RSGE230SC	RSGE260SC	RSGE290SC
Description		2M pixels Giga Ethernet camera		5M pixels Giga Ethernet camera		8M pixels Giga Ethernet camera
Image Sensor		color progressive scan CCD				
Sensor Size		1/1.8 inch	3/4 inch	2/3 inch	4/3 inch	
Resolution(HxV)		1616×1232	1920×1088	2448×2048	3744×1408	3296×2464
Pixel Size(HxV)		4.4x4.4μm	5.5x5.5μm	3.45x3.45μm	4.75x9.5μm	5.5x5.5μm
Frame Rate	Full	12.5/15/25fps	12.5/15/25fps	15fps	12.5fps	8fps
	High fps	25fps (800×560)	25fps(960×544)	15fps(1216×1024)	12.5fps(1872×1408)	NA
Exposure Time		1 to 125000 microsecond (1 microsecond per step)				
Gain Range		0 to 36dB				
Lens Adapter		C mount			F mount	
Iris Control		DC iris drive			NA	
AD Converter		14 bit				
Pixel Format		Bayer, RGB, YUV, JPEG				
Protocols		10/100M RJ45 connector for TCP/IP, UDP, PPPOE etc				
Power		12VDC±20%				
Consumption		5W	6W	5W	6W	6.5W
Operation Condition		-40°C to +80°C				
Dimensions		52×48×110mm			52×48×140mm	
Standards		CE				
Application		PC-based Checkpoint and Mobile Police				

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ROSEEK®

Kylin 1 Series

HD IP Camera

Application

- Surveillance : HD Surveillance for Traffic, Car Park, Security

Feature

- Progressive CCD sensors for high image quality with reduced motion blur
- Take full resolution JPEG images while H.264 encoding
- Operation condition -40°C to +80°C without fans, with rugged full metal casing
- Detailed documents and mature SDK software

ROSEEK®

Kylin 1 Series
HD IP Camera

Specifications

Camera	RSKL100C	RSKL120C	RSKL130C	RSKL140C	RSKL150C
Description	1.25M pixels IP camera	2M pixels IP camera		3M pixels IP camera	1.4M pixels IP camera
Image Sensor	color progressive scan CCD			Rolling shutter CMOS	color progressive scan CCD
Sensor Size	1/3 inch	1/1.8 inch	2/3 inch	1/2.8 inch	1/2 inch
Resolution(HxV)	1280x960	1600x1200	1920x1080	2048x1536	1360x1024
Pixel Size(HxV)	3.75x3.75μm	4.4x4.4μm	5.5x5.5μm	2.5x2.5μm	4.65x4.65μm
Frame Rate	12.5/25fps	12.5/25fps	12.5/25fps	12.5/25fps	12.5/15fps
Sensitivity	0.2 Lux@f1.2	0.5 Lux@f1.2	0.1 Lux@f1.2	0.4 Lux@f1.2	0.5 Lux@f1.2
Video Compression	H264 video stream, take JPEG picture while encoding Bit rate: 200K to 8Mbps(0.02 to 0.8M bytes per second) adjustable				
Lens Adapter	C/CS mount with DC iris drive				
Setting	Auto/manual gain, auto/manual shutter, auto white balance, OSD, motion diction, AC power sync				
Alarm	Triggered by motion detection, external signal, scheduling				
Protocols	TCP/IP, HTTP, UDP, ICMP, ARP, DHCP, RTP, RTSP, RTCP				
Power	PoE/DC12V/AC24V, 3W Max, 9 to 15VDC recommended				
Operation Condition	-40°C to +80°C				

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We Focus on Embedded Machine Vision Equipments

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