

# RYD SECURITY COMPANY PRODUCTS COMPARISON

## TABLES



### PRODUCTS LIST

**NETWORK CAMERAS**

**ANALOG CAMERAS**

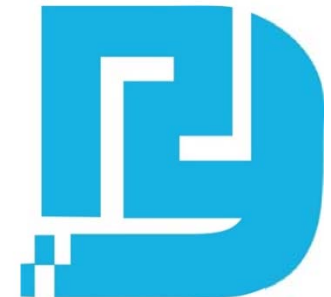
**PAN/TILT/ZOOM NETWORK CAMERAS**

**HIGH DEFINITION COMPOSITE VIDEO INTERFACE**

**HIGH DEFINITION COMPOSITE VIDEO RECORDER**

**SUPER DIGITAL VIDEO RECORDERS**

**NETWORK VIDEO RECORDERS**



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# RYD Security Network Cameras



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## Ambarella 3.0MP HD Network Cameras

Model number	RYD-NWLK-A3	RYD-NWVC-A3	RYD-NWVD-A3	RYD-NWA2-A3		
image						
Image sensor	Ambarella Chipset A6 + 1/3inch 3Megapixel Aptina CMOS	Ambarella Chipset A6 + 1/3inch 3Megapixel Aptina CMOS	Ambarella Chipset A6 + 1/3inch 3Megapixel Aptina CMOS	Ambarella Chipset A6 + 1/3inch 3Megapixel Aptina CMOS		
Lens	-/-	2.8~12mm DC iris auto zoom	2.8~12mm DC iris vertical zoom	2.8~12mm DC iris auto zoom		
Horizontal angle of view	-/-	86.3° ~ 22.1°	86.3° ~ 22.1°	86.3° ~ 22.1°		
Day and night	Automatic	Automatic	Automatic	Automatic		
Max. illumination/light sensitivity(lux)	0	0	0	0		
Video compression	H.264 main profile	H.264 main profile	H.264 main profile	H.264 main profile		
max video resolution (pixel)	2048(H)x1536(V)	2048(H)x1536(V)	2048(H)x1536(V)	2048(H)x1536(V)		
Frames per second	3M/20fps	3M/20fps	3M/20fps	3M/20fps		
Audio support	Yes	Yes	Yes	Yes		
Alarm in-/outputs	1/1	1/1	1/1	1/1		
Intelligent video	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask		
Security	passwords protection	passwords protection	passwords protection	passwords protection		
Network	IPv4, QoS	IPv4, QoS	IPv4, QoS	IPv4, QoS		
Power	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor		
Outdoor use	Yes	Yes	Yes	Yes		
other	<b>WDR</b> , IP66, OSD menu, ONVIF V2.4	<b>WDR</b> , OSD Menu, ONVIF V2.4	<b>WDR</b> , IP66, OSD Menu, ONVIF V2.4	<b>WDR</b> , IP66, OSD Menu, ONVIF V2.4		
Price						

# Ryd Security Network Cameras



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## Ambarella 2.0MP HD Network Cameras

Model number	RYD—NW682-A2	RYD-NW685-A2	RYD-NW875-A2	RYD-NWA1-A2	RYD-NWA2-A2	RYD-NWA5-A2
image						
Image sensor	Ambarella Chipset A5 + Sony IMX122 1/2.8-inch 2.0MP CMOS	Ambarella Chipset A5 + Sony IMX122 1/2.8-inch 2.0MP CMOS	Ambarella Chipset A5 + Sony IMX122 1/2.8-inch 2.0MP CMOS	Ambarella Chipset A5 + Sony IMX122 1/2.8-inch 2.0MP CMOS	Ambarella Chipset A5 + Sony IMX122 1/2.8-inch 2.0MP CMOS	Ambarella Chipset A5 + Sony IMX122 1/2.8-inch 2.0MP CMOS
Lens	2.8~12mm auto iris vertical zoom lens	6~60mm auto iris vertical zoom lens	6mm auto iris zoom lens	2.8~12mm auto iris vertical zoom lens	2.8~12mm auto iris vertical zoom lens	2.8~12mm auto iris vertical zoom lens
Horizontal angle of view	86.3° ~ 22.1°	42.3° ~3.5°	42.3°	86.3° ~ 22.1°	86.3° ~ 22.1°	86.3° ~ 22.1°
Day and night	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Max. illumination/light sensitivity(lux)	0	0	0	0	0	0
Video compression	H.264 main profile	H.264 main profile	H.264 main profile	H.264 main profile	H.264 main profile	H.264 main profile
max video resolution (single)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per second	30(1920x1080)	30(1920x1080)	30(1920x1080)	30(1920x1080)	30(1920x1080)	30(1920x1080)
Audio support	Yes	Yes	Yes	Yes	Yes	Yes
Alarm in-/outputs	1/1	1/1	1/1	1/1	1/1	1/1
Intelligent video	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask
Security	passwords protection	passwords protection	passwords protection	passwords protection	passwords protection	passwords protection
Network	IPv4, QoS	IPv4, QoS	IPv4, QoS	IPv4, QoS	IPv4, QoS	IPv4, QoS
Power	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor
Outdoor use	Yes	Yes	Yes	Yes	Yes	Yes
other	IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6
Price						

# Ryd Security Network Cameras



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## Ambarella 2.0MP HD Network Cameras

## NXP 2.0MP HD Network Cameras







Model number	RYD-NWRD-A2	RYD-NWRC-A2	RYD-NWVD-A2	RYD—NW731-NXP2	RYD-NW730-NXP2	RYD-NW630-NXP2
Image						
Image sensor	Ambarella Chipset A5 + Sony IMX122 1/2.8-inch 2.0MP CMOS	Ambarella Chipset A5 + Sony IMX122 1/2.8-inch 2.0MP CMOS	Ambarella Chipset A5 + Sony IMX122 1/2.8-inch 2.0MP CMOS	NXP ASC88xx Chipset, Sony IMX122 1/2.8-inch 2M HDIS sensor	NXP ASC88xx Chipset, Sony IMX122 1/2.8-inch 2M HDIS sensor	NXP ASC88xx Chipset, Sony IMX122 1/2.8-inch 2M HDIS sensor
Lens	62°	62°	2.8~12mm auto iris vertical zoom lens	2.8/3.6/6/8mm option	2.8/3.6/6/8mm option	3.6/6/8mm option
Horizontal angle of view	4/6/8/12mm option	6/8/12mm option	86.3° ~ 22.1°	86.3°	86.3°	67.4°
Day and night	4mm/F1.2	6mm/F1.2	Automatic	Automatic	Automatic	Automatic
Max. illumination/light sensitivity(lux)	2pcs Super Power IR Array LEDs	4pcs Super Power IR Array LEDs	0.01	0.01	0.01	0.01
Video compression	60m (196ft)	100m(327ft) 500m	H.264 main profile	H.264 main profile	H.264 main profile	H.264 main profile
max video resolution (pixels)	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per second	3D	3D	30(1920x1080)	30(1920x1080)	30(1920x1080)	30(1920x1080)
Audio support	48dB	48dB	Yes	Yes	Yes	Yes
Alarm in-/outputs	0.001lux	0.001lux	1/1	1/1	1/1	1/1
Intelligent video	yes	yes	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask
Security	yes	yes	passwords protection	passwords protection	passwords protection	passwords protection
Network	yes	yes	IPv4, QoS	IPv4, QoS	IPv4, QoS	IPv4, QoS
Power	6.5W(IR off)/7.0W(IR on)	13W(IR off)/13.5W(IR on)	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor
Outdoor use	yes	yes	Yes	indoor ready	indoor ready	indoor ready
other	IP66, Privacy Zones, OSD, Motion Detection	IP66, Privacy Zones, OSD, Motion Detection	IP66, Privacy Zones, Motion Detection, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6
Price						

# RXD Security Network Cameras



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## NXP 2.0MP HD Network Cameras

Model number	RYD—NW887-NXP2	RYD-NW871-NXP2	RYD-NW861-NXP2	RYD—NW857-NXP2	RYD-NW858-NXP2	RYD-NW879-NXP2
image						
Image sensor	NXP ASC88xx Chipset, Sony IMX122 1/2.8-inch 2M HDIS sensor	NXP ASC88xx Chipset, Sony IMX122 1/2.8-inch 2M HDIS sensor	NXP ASC88xx Chipset, Sony IMX122 1/2.8-inch 2M HDIS sensor	NXP ASC88xx Chipset, Sony IMX122 1/2.8-inch 2M HDIS sensor	NXP ASC88xx Chipset, Sony IMX122 1/2.8-inch 2M HDIS sensor	NXP ASC88xx Chipset, Sony IMX122 1/2.8-inch 2M HDIS sensor
Lens	6/8/12/16/25mm option	4/6/8/12/16/25mm option	4/6/8/12/16mm option	3.6/4/6/8/12mm option	3.6/4/6/8/12mm option	6/8/12/16mm option
Horizontal angle of view	42.3°	62°	62°	67.4°	67.4°	42.3°
Day and night	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Max. illumination/light sensitivity(lux)	0.01	0.01	0.01	0.01	0.01	0.01
Video compression	H.264 main profile	H.264 main profile	H.264 main profile	H.264 main profile	H.264 main profile	H.264 main profile
max video resolution (pixels)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per second	30(1920x1080)	30(1920x1080)	30(1920x1080)	30(1920x1080)	30(1920x1080)	30(1920x1080)
Audio support	Yes	Yes	Yes	Yes	Yes	Yes
Alarm in-/outputs	1/1	1/1	1/1	1/1	1/1	1/1
Intelligent video	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask
Security	passwords protection	passwords protection	passwords protection	passwords protection	passwords protection	passwords protection
Network	IPv4, QoS	IPv4, QoS	IPv4, QoS	IPv4, QoS	IPv4, QoS	IPv4, QoS
Power	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor
Outdoor use	Yes	Yes	Yes	Yes	Yes	Yes
other	IP66, ONVIF V2.6	IP67, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6
Price						

# RYD Security Network Cameras



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## Hi 2.0MP HD Network Cameras

Model number	RYD—NWVF-Hi2	RYD—NWVD-Hi2	RYD—NWRJ-Hi2	RYD—NRAW-Hi2	RYD—NWRC-Hi2	RYD—NWRD-Hi2
image						
Image sensor	Hi 3528 1/2.9-inch 2.0MP HDIS Sensor	Hi 3528 1/2.9-inch 2.0MP HDIS Sensor	Hi 3528 1/2.9-inch 2.0MP HDIS Sensor	Hi 3528 1/2.9-inch 2.0MP HDIS Sensor	Hi 3528 1/2.9-inch 2.0MP HDIS Sensor	Hi 3528 1/2.9-inch 2.0MP HDIS Sensor
Lens	3.6/6mm option	2.8~12mm auto iris auto zoom lens	2.8~12mm auto iris auto zoom lens	6/8/12/16mm option	6/8/12mm option	4/6/8/12/16mm option
Horizontal angle of view	67.4°	86.3° ~ 22.1°	86.3° ~ 22.1°	42.3°	42.3°	62°
Day and night	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Max. illumination/light sensitivity(lux)	0.01	0.01	0.01	0.01	0.01	0.01
Video compression	H.264 main profile	H.264 main profile	H.264 main profile	H.264 main profile	H.264 main profile	H.264 main profile
max video resolution (pixels)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per second	30(1920x1080)	30(1920x1080)	30(1920x1080)	30(1920x1080)	30(1920x1080)	30(1920x1080)
Audio support	Yes	Yes	Yes	Yes	Yes	Yes
Alarm in-/outputs	1/1	1/1	1/1	1/1	1/1	1/1
Intelligent video	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask
Security	passwords protection	passwords protection	passwords protection	passwords protection	passwords protection	passwords protection
Network	IPv4, QoS	IPv4, QoS	IPv4, QoS	IPv4, QoS	IPv4, QoS	IPv4, QoS
Power	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor
Outdoor use	Yes	Yes	Yes	Yes	Yes	Yes
other	IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6
Price						

# RYD Security Network Cameras



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## Hi 1.3MP Network Cameras






Model number	RYD—NW731-Hi1.3	RYD-NW630-Hi1.3		RYD—NW858-Hi1.3	RYD-NW879-Hi1.3	RYD-NW861-Hi1.3
image						
Image sensor	Hi 3518 1/3-inch 1.3MP HDIS Sensor	Hi 3518 1/3-inch 1.3MP HDIS Sensor		Hi 3518 1/3-inch 1.3MP HDIS Sensor	Hi 3518 1/3-inch 1.3MP HDIS Sensor	Hi 3518 1/3-inch 1.3MP HDIS Sensor
Lens	2.8/3.6/6/8mm option	3.6/6/8/12mm option		3.6/6/8mm option	3.6/6/8mm option	4/6/8/12/16mm option
Horizontal angle of view	86.3°	67.4°		67.4°	67.4°	62°
Day and night	Automatic	Automatic		Automatic	Automatic	Automatic
Max. illumination/ light sensitivity(lux)	0.02	0.02		0.02	0.02	0.02
Video compression	H.264 main profile	H.264 main profile		H.264 main profile	H.264 main profile	H.264 main profile
max video resolution (pixels)	1280*960 (1.3MP)	1280*960 (1.3MP)		1280*960 (1.3MP)	1280*960 (1.3MP)	1280*960 (1.3MP)
Frames per second	30 (1280*960)	30 (1280*960)		30 (1280*960)	30 (1280*960)	30 (1280*960)
Audio support	Yes	Yes		Yes	Yes	Yes
Alarm in-/outputs	1/1	1/1		1/1	1/1	1/1
Intelligent video	Motion detection,Video mask	Motion detection,Video mask		Motion detection,Video mask	Motion detection,Video mask	Motion detection,Video mask
Security	passwords protection	passwords protection		passwords protection	passwords protection	passwords protection
Network	IPv4, QoS	IPv4, QoS		IPv4, QoS	IPv4, QoS	IPv4, QoS
Power	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor		POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor	POE IEEE 802.3af 12DC/2V power adaptor
Outdoor use	indoor ready	indoor ready		Yes	Yes	Yes
other	IP66, ONVIF V2.6	IP66, ONVIF V2.6		IP66, ONVIF V2.6	IP66, ONVIF V2.6	IP66, ONVIF V2.6
Price						

# RXD Security Network PTZ Cameras



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## HD PTZ IP Cameras

Model number	RXD-PTZ361-TI10	RXD-PTZ993-TI20	RXD-PTZ992-A30	RXD-PTZ992-A36	RXD-PTZIR-A20	keyboard controller
Image						
Image Sensor	TI TM368 1/2.7 2M HDIS sensor	TI TM368 1/2.9 2.43Mega CMOS Sensor	Ambarella A5S+Sony 1/2.9 2.43Mega CMOS Sensor	Ambarella A5S+Sony 1/2.9 2.43Mega CMOS Sensor	Ambarella A5S+Sony IMX122 1/2.8 3.2MP HDIS sensor	
Lens	F4.9-49 10x optical zoom	F4.7-94 20x optical zoom	F4.7-84.6 30x optical zoom	F4.7-84.6 36x optical zoom	F4.7-94 20x optical zoom	
Horizontal angle of view	53.2° - 5.65°	48.3° - 3.2°	55.2° - 3.2°	55.2° - 3.2°	48.3° - 3.2°	
Day and night	auto ICR filter	auto ICR filter	auto ICR filter	auto ICR filter	auto ICR filter	
Minimum illumination/light sensitivity (Lux)	0.1 LUX @ f1.6 AGC on	0.1 LUX @ f1.6 AGC on	0.1 LUX @ f1.6 AGC on	0.1 LUX @ f1.6 AGC on	0.5 LUX @ f1.6 AGC on	
Video compression	H.264 Main Profile	H.264 Main Profile	H.264 Main Profile	H.264 Main Profile	H.264 Main Profile	
Max video resolution (pixels)	1920*1080	1920*1080	1920*1080	1920*1080	1920*1080	
Frames per second (60/50 Hz)	25	25	30	30	30	
Pan/Tilt/Zoom	220 presets, Limited guard tour 360° pan via Auto-flip,90° tilt	256 presets, Limited guard tour 360° pan via Auto-flip,95° tilt	255 presets, Limited guard tour 360° pan via Auto-flip,95° tilt	255 presets, Limited guard tour 360° pan via Auto-flip,95° tilt	256 presets, Limited guard tour 360° pan via Auto-flip,95° tilt	
Audio support	one-way	one-way	one-way	one-way	one-way	
Alarm in-/outputs	1/1	1/1	1/1	1/1	1/1	
Intelligent video	Motion detection, Video mask	Motion detection, Video mask	Motion detection, Video mask	Motion detection, Video mask	Motion detection, Video mask	
Security	password	password	password	password	password	
Network	IPv4	IPv4	IPv4	IPv4	IPv4	
Power	DC12V, 2A	DC12V, 5A	DC12V, 5A	DC12V, 5A	DC12V, 5A	
Outdoor use	IP66, IK10, Outdoor ready	Outdoor ready	Outdoor ready	Outdoor ready	Outdoor ready	
Other	onvif V2.6	IP66,onvif V2.6	IP66,onvif V2.6	IP66,onvif V2.6	IP66,onvif V2.4	
Price						



# RYD Security Analog Cameras

9

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## Effio-E Series Analog Cameras

Model number	RYD-A731-EE	RYD-A730-EE	RYD-A630-EE	RYD-AGP-EE	RYD-A857-2-EE	RYD-A861-2-EE
Image						
Image Sensor	Sony 1/3-inch Exview HAD CCD II 960H	Sony 1/3-inch Exview HAD CCD II 960H	Sony 1/3-inch Exview HAD CCD II 960H	Sony 1/3-inch Exview HAD CCD II 960H	Sony 1/3-inch Exview HDD CCD II 960H	Sony 1/3-inch Exview HDD CCD II 960H
Effective Pixels(NTSC)	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k
Horizontal Resolution	700TVL	700TVL	700TVL	700TVL	700TVL	700TVL
Focal length	2.8/3.6/6/8mm option	2.8/3.6/6/8mm option	4/6/8/12mm option	3.6mm only	3.6/4/6/8/12mm option	4/6/8/12/16mm option
Horizontal angle of view	86.3°	86.3°	62°	67.4°	67.4°	62°
Low-Light Technology	18 Standard LEDs	12 RS online LEDs	1 Array III LED	24 Standard LEDs	2 Array III LEDs	4 Array III LEDs
IR Working Distance	30m (98ft)	30m (98ft)	50m(164ft)	20m (65ft)	50m (164ft)	60m (196ft)
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift
Digital Noise Reduction	2D	2D	2D	2D	2D	2D
Dynamic Range	48dB	48dB	48dB	48dB	48dB	48dB
Min. Illumination	0.01Lux	0.01Lux	0.01Lux	0.01Lux	0.01Lux	0.01Lux
Backlight Compensation	Yes	Yes	Yes	Yes	Yes	Yes
White Balance	Yes	Yes	Yes	Yes	Yes	Yes
Gain Control	Yes	Yes	Yes	Yes	Yes	Yes
Power Consumption	2.5W(IR off)/3.3W(IR on)	2.5W(IR off)/3.3W(IR on)	2.5W(IR off)/3.3W(IR on)	2W(IR off)/2.8W(IR on)	4W(IR off)/4.8W(IR on)	8W(IR off)/8.8W(IR on)
Size	6.25in(L)*6.25in(W)*3.2in(H)	6.25in(L)*6.25in(W)*3.2in(H)	5in(L)*5in(W)*3.5in(H)	3.7in(L)*3.7in(W)2.7in(H)	5.8in(L)*3.9in(W)*2.9in(H)	8.7n(L)*5.2n(W)*3.5n(H)
other	Indoor, Privacy Zones OSD, Motion Detection	Indoor, Privacy Zones OSD, Motion Detection	Indoor, Privacy Zones OSD, Motion Detection	Indoor, Privacy Zones OSD, Motion Detection	IP66, Privacy Zones OSD, Motion Detection	IP66, Privacy Zones OSD, Motion Detection
Price						

# Ryd Security Analog Cameras

10

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## Effio-E Series Analog Cameras

Model number	RYD-A871-EE	RYD-AKT-EE	RYD-AFD-EE	RYD-ACC-EE	RYD-AAS-EE	RYD-ACG-EE
Image						
Image Sensor	Sony 1/3-inch Exview HAD CCD II 960H	Sony 1/3-inch Exview HAD CCD II 960H	Sony 1/3-inch Exview HAD CCD II 960H	Sony 1/3-inch Exview HAD CCD II 960H	Sony 1/3-inch Exview HDD CCD II 960H	Sony 1/3-inch Exview HDD CCD II 960H
Effective Pixels(NTSC)	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k
Horizontal Resolution	700TVL	700TVL	700TVL	700TVL	700TVL	700TVL
Focal length	4/6/8/12/16/25mm option	3.6mm/F2.0	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens
Horizontal angle of view	62°	67.4°	86.3° 22.1°	86.3° 22.1°	86.3° 22.1°	86.3° 22.1°
Low-Light Technology	4 Array III LEDs	24 Standard LEDs	72 Standard LEDs	72 Standard LEDs	42 Standard LEDs	36 Standard LEDs
IR Working Distance	70m (229ft)	20m (65ft)	60m (197ft)	60m (197ft)	40m (131ft)	30m (98ft)
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	4 Array III LEDs
Digital Noise Reduction	2D	2D	2D	2D	2D	2D
Dynamic Range	48dB	48dB	48dB	48dB	48dB	48dB
Min. Illumination	0.01Lux	0.01Lux	0.01Lux	0.01Lux	0.01Lux	0.01Lux
Backlight Compensation	Yes	Yes	Yes	Yes	Yes	Yes
White Balance	Yes	Yes	Yes	Yes	Yes	Yes
Gain Control	Yes	Yes	Yes	Yes	Yes	Yes
Power Consumption	8W(IR off)/8.8W(IR on)	2.5W(IR off)/3.3W(IR on)	8W(IR off)/8.8W(IR on)	8W(IR off)/8.8W(IR on)	3.5W(IR off)/4.2W(IR on)	3W(IR off)/3.8W(IR on)
Size	7.3n(L)*3.9n(W)*2.8n(H)	5.5in(L)*4.5in(W)*3.0in(H)	10.8in(L)*4.9in(W)*4.1in(H)	10.8in(L)*4.9in(W)*4.1in(H)	7.9in(L)*6.7in(W)*3.3in(H)	7.9in(L)*3.2in(W)*2.9in(H)
other	IP67, Privacy Zones OSD, Motion Detection	IP66, Privacy Zones OSD, Motion Detection	IP66, Privacy Zones OSD, Motion Detection	IP66, Privacy Zones OSD, Motion Detection	IP66, Privacy Zones OSD, Motion Detection	IP66, Privacy Zones OSD, Motion Detection
Price						

# Ryd Security Analog Cameras

www.rydsecurity.com

## Effio-E Series Analog Cameras

Model number	RYD-ANS-EE	RYD-AAG-EE	RYD-AGB-EE	RYD-AGF-EE		
Image						
Image Sensor	Sony 1/3-inch Exview HAD CCD II 960H	Sony 1/3-inch Exview HAD CCD II 960H	Sony 1/3-inch Exview HAD CCD II 960H	Sony 1/3-inch Exview HAD CCD II 960H		
Effective Pixels(NTSC)	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k		
Horizontal Resolution	700TVL	700TVL	700TVL	700TVL		
Focal length	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens		
Horizontal angle of view	86.3° 22.1°	86.3° 22.1°	86.3° 22.1°	86.3° 22.1°		
Low-Light Technology	42 Standard LEDs	24 Standard LEDs	36 Standard LEDs	36 Standard LEDs		
IR Working Distance	40m (131ft)	20m (66ft)	30m (98ft)	30m (98ft)		
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift		
Digital Noise Reduction	2D	2D	2D	2D		
Dynamic Range	48dB	48dB	48dB	48dB		
Min. Illumination	0.01Lux	0.01Lux	0.01Lux	0.01Lux		
Backlight Compensation	Yes	Yes	Yes	Yes		
White Balance	Yes	Yes	Yes	Yes		
Gain Control	Yes	Yes	Yes	Yes		
Power Consumption	3.5W(IR off)/4.2W(IR on)	2.5W(IR off)/3.3W(IR on)	2.5W(IR off)/3.3W(IR on)	2.5W(IR off)/3.3W(IR on)		
Size	8.7n(L)*3.1n(W)*3.1n(H)	5.5in(L)*5.5in(W)*4.3in(H)	5.5n(L)*5.5n(W)*3.7n(H)	5.5n(L)*5.5n(W)*3.7n(H)		
other	IP66, Privacy Zones OSD, Motion Detection	vandalproof, OSD, Privacy Zones, Motion Detection	vandalproof, OSD, Privacy Zones, Motion Detection	vandalproof, OSD, Privacy Zones, Motion Detection		
Price						

# RYD Security Analog Cameras

12

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## Effio-G Series Analog Cameras

Model number	RYD-A731-EG	RYD-A730-EG	RYD-A630-EG	RYD-AGP-EG	RYD-AAG-EG	RYD-AGB-EG
Image						
Image Sensor	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H
Effective Pixels(NTSC)	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k
Horizontal Resolution	1200TVL	1200TVL	1200TVL	1200TVL	1200TVL	1200TVL
Focal length	2.8/3.6/6/8mm option	2.8/3.6/6/8mm option	4/6/8/12mm option	3.6mm only	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens
Horizontal angle of view	86.3°	86.3°	62°	67.4°	86.3° 22.1°	86.3° 22.1°
Low-Light Technology	18 Standard LEDs	12 RS online LEDs	1 Array III LED	24 Standard LEDs	24 Standard LEDs	36 Standard LEDs
IR Working Distance	30m (98ft)	30m (98ft)	50m(164ft)	20m (65.6ft)	20m (65.6ft)	2.5W(IR off)/3.3W(IR on)
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift
Digital Noise Reduction	3D	3D	3D	3D	3D	3D
Dynamic Range	48dB	48dB	48dB	48dB	48dB	48dB
Min. Illumination	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux
Backlight Compensation	Yes	Yes	Yes	Yes	Yes	Yes
White Balance	Yes	Yes	Yes	Yes	Yes	Yes
Gain Control	Yes	Yes	Yes	Yes	Yes	Yes
Power Consumption	2.5W(IR off)/3.3W(IR on)	2.5W(IR off)/3.3W(IR on)	2.5W(IR off)/3.3W(IR on)	2W(IR off)/2.8W(IR on)	2.5W(IR off)/3.3W(IR on)	2.5W(IR off)/3.3W(IR on)
Size	6.25in(L)*6.25in(W)*3.2in(H)	6.25in(L)*6.25in(W)*3.2in(H)	5in(L)*5in(W)*3.5in(H)	3.7in(L)*3.7in(W)2.7in(H)	5.5in(L)*5.5in(W)*4.3in(H)	5.5in(L)*5.5in(W)*3.7in(H)
other	Indoor, Privacy Zones OSD, Motion Detection	Indoor, Privacy Zones OSD, Motion Detection	Indoor, Privacy Zones OSD, Motion Detection	Indoor, Privacy Zones OSD, Motion Detection	vandalproof, OSD, Privacy Zones, Motion Detection	vandalproof, OSD, Privacy Zones, Motion Detection
Price						

# RYD Security Analog Cameras

13

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## Effio-G Series Analog Cameras

Model number	RYD-AGF-EG	RYD-A857-2-EG	RYD-A861-2-EG	RYD-A871-EG	RYD-AKT-EG	RYD-AFD-EG
Image						
Image Sensor	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H
Effective Pixels(NTSC)	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k
Horizontal Resolution	1200TVL	1200TVL	1200TVL	1200TVL	1200TVL	1200TVL
Focal length	2.8~12mm Varifocal Lens	3.6/4/6/8/12mm option	4/6/8/12/16mm option	4/6/8/12/16/25mm option	3.6mm only	2.8~12mm Varifocal Lens
Horizontal angle of view	86.3° 22.1°	67.4°	62°	62°	67.4°	86.3° 22.1°
Low-Light Technology	36 Standard LEDs	2 Array III LEDs	4 Array III LEDs	4 Array III LEDs	24 Standard LEDs	72 Standard LEDs
IR Working Distance	30m (98ft)	50m (164ft)	60m (197ft)	70m (229ft)	20m (65ft)	60m (197ft)
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift
Digital Noise Reduction	3D	3D	3D	3D	3D	3D
Dynamic Range	48dB	48dB	48dB	48dB	48dB	48dB
Min. Illumination	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux
Backlight Compensation	Yes	Yes	Yes	Yes	Yes	Yes
White Balance	Yes	Yes	Yes	Yes	Yes	Yes
Gain Control	Yes	Yes	Yes	Yes	Yes	Yes
Power Consumption	2.5W(IR off)/3.3W(IR on)	4W(IR off)/4.8W(IR on)	8W(IR off)/8.8W(IR on)	8W(IR off)/8.8W(IR on)	2.5W(IR off)/3.3W(IR on)	8W(IR off)/8.8W(IR on)
Size	5.5n(L)*5.5n(W)*3.7n(H)	5.8in(L)*3.9in(W)*2.9in(H)	8.7n(L)*5.2n(W)*3.5n(H)	7.3n(L)*3.9n(W)*2.8n(H)	5.5in(L)*4.5in(W)*3.0in(H)	10.8in(L)*4.9in(W)*4.1in(H)
other	vandalproof, OSD, Privacy Zones, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection
Price						

# RYD Security Analog Cameras

www.rydsecurity.com

## Effio-G Series Analog Cameras

Model number	RYD-ACC-EG	RYD-AAS-EG	RYD-ACG-EG	RYD-ANS-EG		
Image						
Image Sensor	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H	Sony 1/2.8-inch Sensor 960H		
Effective Pixels(NTSC)	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k	1280(H)*960(V), approx. 1230k		
Horizontal Resolution	1200TVL	1200TVL	1200TVL	1200TVL		
Focal length	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens		
Horizontal angle of view	86.3° 22.1°	86.3° 22.1°	86.3° 22.1°	86.3° 22.1°		
Low-Light Technology	36 Standard LEDs	72 Standard LEDs	36 Standard LEDs	42 Standard LEDs		
IR Working Distance	30m (98ft)	60m (197ft)	30m (98ft)	40m (131ft)		
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift		
Digital Noise Reduction	3D	3D	3D	3D		
Dynamic Range	48dB	48dB	48dB	48dB		
Min. Illumination	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux		
Backlight Compensation	Yes	Yes	Yes	Yes		
White Balance	Yes	Yes	Yes	Yes		
Gain Control	Yes	Yes	Yes	Yes		
Power Consumption	2.5W(IR off)/3.3W(IR on)	8W(IR off)/8.8W(IR on)	3.5W(IR off)/4.2W(IR on)	3.5W(IR off)/4.2W(IR on)		
Size	5.5n(L)*5.5n(W)*3.7n(H)	10.8in(L)*4.9in(W)*4.1in(H)	7.9in(L)*6.7in(W)*3.3in(H)	8.7n(L)*3.1n(W)*3.1n(H)		
other	vandalproof, OSD, Privacy Zones, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection		
Price						

# RYP Security Analog Cameras

www.rydsecurity.com

## Effio-P Series Analog Cameras

Model number	RYD-A731-EP	RYD-A730-EP	RYD-A630-EP	RYD-AGP-EP	RYD-AAG-EP	RYD-AGB-EP
Image						
Image Sensor	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H
Effective Pixels(NTSC)	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k
Horizontal Resolution	700TVL	700TVL	700TVL	700TVL	700TVL	700TVL
Focal length	2.8/3.6/6/8mm option	2.8/3.6/6/8mm option	4/6/8/12mm option	3.6mm only	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens
Horizontal angle of view	86.3°	86.3°	62°	67.4°	86.3° 22.1°	86.3° 22.1°
Low-Light Technology	18 Standard LEDs	12 RS online LEDs	1 Array III LED	24 Standard LEDs	24 Standard LEDs	36 Standard LEDs
IR Working Distance	30m (98ft)	30m (98ft)	50m(164ft)	20m (65.6ft)	20m (65.6ft)	2.5W(IR off)/3.3W(IR on)
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift
Digital Noise Reduction	3D	3D	3D	3D	3D	3D
Dynamic Range	120dB	120dB	120dB	120dB	120dB	120dB
Min. Illumination	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux
Backlight Compensation	Yes	Yes	Yes	Yes	Yes	Yes
White Balance	Yes	Yes	Yes	Yes	Yes	Yes
Gain Control	Yes	Yes	Yes	Yes	Yes	Yes
Power Consumption	2.5W(IR off)/3.3W(IR on)	2.5W(IR off)/3.3W(IR on)	2.5W(IR off)/3.3W(IR on)	2W(IR off)/2.8W(IR on)	2.5W(IR off)/3.3W(IR on)	2.5W(IR off)/3.3W(IR on)
Size	6.25in(L)*6.25in(W)*3.2in(H)	6.25in(L)*6.25in(W)*3.2in(H)	5in(L)*5in(W)*3.5in(H)	3.7in(L)*3.7in(W)2.7in(H)	5.5in(L)*5.5in(W)*4.3in(H)	5.5in(L)*5.5in(W)*3.7in(H)
other	Indoor, Privacy Zones OSD, Motion Detection	Indoor, Privacy Zones OSD, Motion Detection	Indoor, Privacy Zones OSD, Motion Detection	Indoor, Privacy Zones OSD, Motion Detection	vandalproof, OSD, Privacy Zones, Motion Detection	vandalproof, OSD, Privacy Zones, Motion Detection
Price						

# Ryd Security Analog Cameras

www.rydsecurity.com

## Effio-P Series Analog Cameras

Model number	RYD-AGF-EG	RYD-A857-2-EG	RYD-A861-2-EG	RYD-A871-EG	RYD-AKT-EG	RYD-AFD-EG
Image						
Image Sensor	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H
Effective Pixels(NTSC)	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k
Horizontal Resolution	700TVL	700TVL	700TVL	700TVL	700TVL	700TVL
Focal length	2.8~12mm Varifocal Lens	3.6/4/6/8/12mm option	4/6/8/12/16mm option	4/6/8/12/16/25mm option	3.6mm only	2.8~12mm Varifocal Lens
Horizontal angle of view	86.3° 22.1°	67.4°	62°	62°	67.4°	86.3° 22.1°
Low-Light Technology	36 Standard LEDs	2 Array III LEDs	4 Array III LEDs	4 Array III LEDs	24 Standard LEDs	72 Standard LEDs
IR Working Distance	30m (98ft)	50m (164ft)	60m (197ft)	70m (229ft)	20m (65ft)	60m (197ft)
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift
Digital Noise Reduction	3D	3D	3D	3D	3D	3D
Dynamic Range	120dB	120dB	120dB	120dB	120dB	120dB
Min. Illumination	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux
Backlight Compensation	Yes	Yes	Yes	Yes	Yes	Yes
White Balance	Yes	Yes	Yes	Yes	Yes	Yes
Gain Control	Yes	Yes	Yes	Yes	Yes	Yes
Power Consumption	2.5W(IR off)/3.3W(IR on)	4W(IR off)/4.8W(IR on)	8W(IR off)/8.8W(IR on)	8W(IR off)/8.8W(IR on)	2.5W(IR off)/3.3W(IR on)	8W(IR off)/8.8W(IR on)
Size	5.5n(L)*5.5n(W)*3.7n(H)	5.8in(L)*3.9in(W)*2.9in(H)	8.7n(L)*5.2n(W)*3.5n(H)	7.3n(L)*3.9n(W)*2.8n(H)	5.5in(L)*4.5in(W)*3.0in(H)	10.8in(L)*4.9in(W)*4.1in(H)
other	vandalproof, OSD, Privacy Zones, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection
Price						



# RYP Security Analog Cameras

www.rydsecurity.com

## Effio-P Series Analog Cameras

Model number	RYD-ACC-EG	RYD-AAS-EG	RYD-ACG-EG	RYD-ANS-EG		
Image						
Image Sensor	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H	Sony 1/3-inch SONY Exview HDD CCD II 960H		
Effective Pixels(NTSC)	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k	976(H)*484(V), approx. 470k		
Horizontal Resolution	700TVL	700TVL	700TVL	700TVL		
Focal length	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens	2.8~12mm Varifocal Lens		
Horizontal angle of view	86.3° 22.1°	86.3° 22.1°	86.3° 22.1°	86.3° 22.1°		
Low-Light Technology	36 Standard LEDs	72 Standard LEDs	42 Standard LEDs	42 Standard LEDs		
IR Working Distance	30m (98ft)	60m (197ft)	40m (131ft)	40m (131ft)		
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift		
Digital Noise Reduction	3D	3D	3D	3D		
Dynamic Range	120dB	120dB	120dB	120dB		
Min. Illumination	0.001 Lux	0.001 Lux	0.001 Lux	0.001 Lux		
Backlight Compensation	Yes	Yes	Yes	Yes		
White Balance	Yes	Yes	Yes	Yes		
Gain Control	Yes	Yes	Yes	Yes		
Power Consumption	2.5W(IR off)/3.3W(IR on)	8W(IR off)/8.8W(IR on)	3.5W(IR off)/4.2W(IR on)	3.5W(IR off)/4.2W(IR on)		
Size	5.5n(L)*5.5n(W)*3.7n(H)	10.8in(L)*4.9in(W)*4.1in(H)	7.9in(L)*6.7in(W)*3.3in(H)	8.7n(L)*3.1n(W)*3.1n(H)		
other	vandalproof, OSD, Privacy Zones, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection	OSD, Privacy Zones, IP66, Motion Detection		
Price						

# RYD Security Analog Cameras

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## CVI Series Analog Cameras

Model number	RYD-AVF-CVI1	RYD-AVH-CVI1	RYD-AMQ-CVI1	RYD-ARZ-CVI1	RYD-ARX-CVI1	RYD-ARD-CVI1
Image						
Image Sensor	Sony 1/2.9-inch CMOS Sensor 1280*720@25fps	Sony 1/2.9-inch CMOS Sensor 1280*720@25fps	Sony 1/2.9-inch CMOS Sensor 1280*720@25fps	Sony 1/2.9-inch CMOS Sensor 1280*720@25fps	Sony 1/2.9-inch CMOS Sensor 1280*720@25fps	Sony 1/2.9-inch CMOS Sensor 1280*720@25fps
Effective Pixels(NTSC)	1280(H)×720(V)	1280(H)×720(V)	1280(H)×720(V)	1280(H)×720(V)	1280(H)×720(V)	1280(H)×720(V)
Horizontal Resolution	86.3° 22.1°	64.7°	64.7°	86.3° 22.1°	64.7°	62°
Focal length	2.8-12mm Varifocal	3.6/6mm option	3.6/6mm option	2.8-12mm Varifocal	3.6/6mm option	4/6/8/12mm option
Horizontal angle of view	2.8mm(wide)-12mm(telephoto)	3.6mm/F1.2	3.6mm/F1.2	2.8mm(wide)-12mm(telephoto)	3.6mm/F1.2	4mm/F1.2
Low-Light Technology	3 IR Array LEDs	2 IR Array LEDs	Not Available	2pcs Super Power IR Array LEDs	3 pcs Mini IR Array LEDs	2pcs Super Power IR Array LEDs
IR working Distance	40m (131ft) 500m	30m (98ft) 500m	Not Available 500m	60m (196ft) 500m	40m (131ft) 500m	60m (196ft) 500m
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Not Available	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift
Digital Noise Reduction	3D	3D	Not Available	3D	3D	3D
Dynamic Range	48dB	48dB	Not Available	48dB	48dB	48dB
Min. Illumination	0.001lux	0.001lux	Not Available	0.001lux	0.001lux	0.001lux
Backlight Compensation	yes	yes	Not Available	yes	yes	yes
White Balance	yes	yes	Not Available	yes	yes	yes
Gain Control	yes	yes	Not Available	yes	yes	yes
Power Consumption	4.5W(IR off)/5.0W(IR on)	3.5W(IR off)/4W(IR on)	1.0W	4.5W(IR off)/5W(IR on)	6.5W(IR off)/7.0W(IR on)	6.5W(IR off)/7.0W(IR on)
Size(l*w*h)ft	4.7*3.8	3.7*2.6	4.4*3.43	10.8*4.73*4.02	10.8*4.73*4.02	8.41*3.94*3.58
Weight(kg)	0.63kg	0.3kg	0.185kg	0.785kg	0.785kg	0.85kg
other	OSD, Privacy Zones, Motion Detection	OSD, Privacy Zones, Motion Detection	OSD, Privacy Zones, Motion Detection	IP66, Privacy Zones, OSD, Motion Detection	IP66, Privacy Zones, OSD, Motion Detection	IP66, Privacy Zones, OSD, Motion Detection
Price						

# Ryd Security Analog Cameras

www.rydsecurity.com CVI Series Analog Cameras

HD CVI Series Analog Cameras

Model number	RYD-ARC-CVI1	RYD-AVD-CVI2	RYD-AVF-CVI2	RYD-AVH-CVI2	RYD-AA5-CVI2	RYD-AR3-CVI2
Image						
Image Sensor	Sony 1/2.9-inch CMOS Sensor 1280*720@25fps	Sony 1/2.8-inch CMOS Sensor 1920*1080@30fps	Sony 1/2.8-inch CMOS Sensor 1920*1080@30fps	Sony 1/2.8-inch CMOS Sensor 1920*1080@30fps	Sony 1/2.8-inch CMOS Sensor 1920*1080@30fps	Sony 1/2.8-inch CMOS Sensor 1920*1080@30fps
Effective Pixels(NTSC)	1280(H)×720(V)	1920(H)*1080(V)	1920(H)*1080(V)	1920(H)*1080(V)	1920(H)*1080(V)	1920(H)*1080(V)
Horizontal Resolution	62°	86.3° 22.1°	86.3° 22.1°	64.7°	86.3° 22.1°	64.7°
Focal length	6/8/12mm option	2.8-12mm Varifocal	2.8-12mm Varifocal	3.6/6mm option	2.8-12mm Varifocal	3.6mm option
Horizontal angle of view	6mm/F1.2	2.8mm(wide)-12mm(telephoto)	2.8mm(wide)-12mm(telephoto)	3.6mm/F1.2	2.8mm(wide)-12mm(telephoto)	3.6mm/F1.2
Low-Light Technology	4pcs Super Power IR Array LEDs	24 IR LEDs	3 IR Array LEDs	2 IR Array LEDs	2pcs Super Power IR Array LEDs	2 IR Array LEDs
IR working Distance	100m(327ft) 500m	40m (131ft) 500m	40m (131ft) 500m	30m (98ft) 500m	60m (196ft) 500m	30m (98ft) 500m
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift
Digital Noise Reduction	3D	3D	3D	3D	3D	3D
Dynamic Range	48dB	48dB	48dB	48dB	48dB	48dB
Min. Illumination	0.001lux	0.001lux	0.001lux	0.001lux	0.001lux	0.001lux
Backlight Compensation	yes	yes	yes	yes	yes	yes
White Balance	yes	yes	yes	yes	yes	yes
Gain Control	yes	yes	yes	yes	yes	yes
Power Consumption	13W(IR off)/13.5W(IR on)	5.0W(IR off)/5.5W(IR on)	5.0W(IR off)/5.5W(IR on)	3.5W(IR off)/4W(IR on)	6.5W(IR off)/7.0W(IR on)	3.5W(IR off)/4W(IR on)
Size	8.41*3.94*3.58 0.85kg		4.7*3.8 0.63kg	3.7*2.6 0.3kg	12.98*4.4*3.75 0.72kg	6.83*2.75*2.69 0.45kg
other	IP66, Privacy Zones, Motion Detection	IP66, IK10 Privacy Zones, Motion Detection	IP66, Privacy Zones, Motion Detection	IP66, Privacy Zones, Motion Detection	IP66, Privacy Zones, Motion Detection	IP66, Privacy Zones, Motion Detection
Price						

# RVD Security Analog Cameras

20

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## HD CVI Series Analog Cameras

## High Definition Composite Video Recorder Series

Model number	RYD-ARC-CVI2	RYD-ARD-CVI2		Model number	RYD-HCV141401	RYD-HCV242802
Image				Image		
Image Sensor	Sony 1/2.8-inch CMOS Sensor 1920*1080@30fps	Sony 1/2.8-inch CMOS Sensor 1920*1080@30fps		Video compression	H.264 High profile	H.264 High profile
Effective Pixels(NTSC)	1920(H)*1080(V)	1920(H)*1080(V)		Max video resolution (pixels)	4ch 720P/1080P	8ch 720P/1080P
Horizontal Resolution	42.3°	62°		Video source	4 BNC composite inputs	8 BNC composite inputs
Focal length	6/8/12mm option	4/6/8/12mm option		Video input	4chx(1920*1080)+4Play	8chx(1920*1080)+8Play
Horizontal angle of view	6mm/F1.2	4mm/F1.2		Video output	1ch HDMI	1ch HDMI
Low-Light Technology	4pcs Super Power IR Array LEDs	2pcs Super Power IR Array LEDs		Audio in-/outputs	4 RCA input/ 1 RCA output	8 RCA input/ 1 RCA output
IR working Distance	100m(327ft) 500m	60m (196ft) 500m		Alarm in-/outputs	4 configurable input/ 1 configurable output	4 configurable input/ 1 configurable output
Day and night	Infrared (IR) cut filter swift	Infrared (IR) cut filter swift		Record/playback	4ch 720P Record 4ch Playback	8ch 720P Record 8ch Playback
Digital Noise Reduction	3D	3D		Intelligent video	-/-	-/-
Dynamic Range	48dB	48dB		Pan/tilt/zoom support	Yes	Yes
Min. Illumination	0.001lux	0.001lux		Security	-/-	-/-
Backlight Compensation	yes	yes		Network	1 RJ-45, 10M/100M/1000M adaptive ethernet port,	1 RJ-45, 10M/100M/1000M adaptive ethernet port,
White Balance	yes	yes		Power	DC power	DC power
Gain Control	yes	yes		Serial connectors	1 RJ-45, 10M/100M/1000M adaptive ethernet port, RS-485	1 RJ-45, 10M/100M/1000M adaptive ethernet port, RS-485
Power Consumption	13W(IR off)/13.5W(IR on)	6.5W(IR off)/7.0W(IR on)		Hard Disk connectors	2 SATA, up to 4T	2 SATA, up to 4T
Size	8.41*3.94*3.58 0.85kg	8.41*3.94*3.58 0.85kg		USB connectors	2 ports (connect 3G/WIFI)	2 ports (connect 3G/WIFI)
other	IP66, Privacy Zones, Motion Detection	IP66, Privacy Zones, Motion Detection		Size(l*w*h)ft	10.16*9.49*1.69	10.16*9.49*1.69
Price				Price		

# Ryd Security SDVR



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## Super Digital Video Recorder Series

Model number	RYD-SDV9004IC02	RYD-SDV9108IC02	RYD-SDV9908I04	RYD-SDV9916I04	RYD-SDV9624I04	RYD-SDV9632I04
Image						
Video compression	H.264 High profile	H.264 High profile	H.264 High profile	H.264 High profile	H.264 High profile	H.264 High profile
Max video resolution (pixels)						
Video source	4 BNC composite inputs	8 BNC composite inputs	8 BNC composite inputs	16 BNC composite inputs	24 BNC composite inputs	32 BNC composite inputs
Video input	DVR: 4CH*960H, NVR: 8CH*960H/4CH*720P/2CH*1080P/1CH*720P +7CH*D1/1CH*1080P+1CH*720P +2CH*D1	DVR: 8CH*960H 12FPS/D1, NVR: 8CH*960H/4CH*720P/2CH*1080P/1CH*720P +7CH*D1/1CH*1080P +1CH*720P +2CH*D1	DVR: 8CH*D1, NVR: 8CH*960H/4CH*720P/2CH*1080P/1CH*720P +7CH*D1/1CH*1080P +1CH*720P +2CH*D1	DVR: 16CH*960H/16CH*D1, NVR: 16*D1 / 2*1080P+2*720P / 1*1080P+1*720P+6*960H / 8*720P	DVR: 8CH*D1+16CH CIF, NVR: 24*D1/20*960H/4*1080P/1*1080P+8*720P/2*1080P+4*960H	DVR: 8CH*D1+24CH CIF, NVR: 24*D1/4*1080P/1*1080P+8*720P/2*1080P+4*720P+4*960H
Video output	1ch VGA+1ch HDMI+1ch BNC	1ch VGA+1ch HDMI+1ch BNC	1ch VGA+1ch HDMI+2ch BNC	1ch VGA+1ch HDMI+2ch BNC	1ch VGA+1ch HDMI+2ch BNC	1ch VGA+1ch HDMI+2ch BNC
Audio in-/outputs	4 RCA input/ 1 RCA output	8 RCA input/ 1 RCA output	8 RCA input/ 1 RCA output	16 RCA input/ 1 RCA output	16 RCA input/ 1 RCA output	16 RCA input/ 1 RCA output
Alarm in-/outputs	2 configurable input/ 1 configurable output	2 configurable input/ 1 configurable output	8 configurable input/ 1 configurable output	16 configurable input/ 2 configurable output	16 configurable input/ 4 configurable output	16 configurable input/ 4 configurable output
Record/playback	DVR: 4CH 960H real time record / 4CH 960H real time playback	DVR: 8ch 960H 12FPS (D1 real time) record / 2ch 960H 12FPS(4channel D1 real time) playback	DVR: 8CH D1 real time record / 8CH HD1 (or 1*D1) real time playback	DVR: 16CH 960H real time record / 16CH HD1 (1CH 960H) real time playback	24CH real time record / 8CH D1+ 8CH CIF real time playback	32CH real time record / 8CH D1+ 8CH CIF real time playback
Intelligent video	Motion detection	Motion detection	Motion detection	Motion detection	Motion detection	Motion detection
Pan/tilt/zoom support	Yes	Yes	Yes	Yes	Yes	Yes
Security	passwords	passwords	passwords	passwords	passwords	passwords
Network	IPv4	IPv4	IPv4	IPv4	IPv4	IPv4
Power	DC power	DC power	DC power	DC power	DC power	DC power
Serial connectors	RS-485	RS-485	RS-485	RS-485	RS-485	RS-485
Hard Disk connectors	2 SATA, up to 6T	2 SATA, up to 6T	4 SATA, up to 12T	4 SATA, up to 12T	4 SATA, up to 12T	4 SATA, up to 12T
USB connectors	2 ports (connect 3G/WIFI)	2 ports (connect 3G/WIFI)	3 ports (connect 3G/WIFI)	3 ports (connect 3G/WIFI)	3 ports (connect 3G/WIFI)	3 ports (connect 3G/WIFI)
Size(l*w*h)ft	13.8*4.6*11 2.5kg	9.0*6.5*11.0 2.5kg	21.7*16.1*7.3 6.5kg	21.7*16.1*7.3 6.7kg	21.7*16.1*7.3 6.7kg	21.7*16.1*7.3 6.7kg
Price						

# RYD Security NVR



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## Economical Network Video Recorder Series

Model number	RYD-NV300400	RYD-NV310401	RYD-NV142401	RYD-NV300801	RYD-NV310801	RYD-NV182802
Image						
Video compression	H.264 High profile	H.264 High profile	H.264 High profile	H.264 High profile	H.264 High profile	H.264 High profile
Max video resolution (pixels)	4ch 960P/1080P	4ch 960P/4ch 1080P	4ch 960P/4ch 1080P			
Video source	4 BNC composite inputs	4 BNC composite inputs	4 BNC composite inputs	8 BNC composite inputs	8 BNC composite inputs	8 BNC composite inputs
Video input	4x(1280*960)+4Play 4x(1280*720)+4Play	4x(1280*960)+4Play 4x(1280*720)+4Play	4x(1280*960)+1Play 4x(1280*720)+4Play	8x(1280*720)+4Play 8x(1280*960)+1Play 8x(1920*1080)+1Play	8x(1280*720)+4Play 8x(1280*960)+1Play 8x(1920*1080)+1Play	8x(1280*720)+4Play 8x(1280*960)+1Play 8x(1920*1080)+1Play
Video output	1ch VGA+1ch HDMI	1ch VGA+1ch HDMI	1ch HDMI	1ch VGA+1ch HDMI	1ch VGA+1ch HDMI	1ch HDMI
Audio in-/outputs	4 RCA input/ 1 RCA output	4 RCA input/ 1 RCA output	4 RCA input/ 1 RCA output	8 RCA input/ 1 RCA output	8 RCA input/ 1 RCA output	8 RCA input/ 1 RCA output
Alarm in-/outputs	-/-	4 configurable input/ 1 configurable output	4 configurable input/ 1 configurable output	8 configurable input/ 1 configurable output	8 configurable input/ 1 configurable output	4 configurable input/ 1 configurable output
Record / Playback	4CH 960P/720p record 4ch playback	4CH 1080P record / 4CH 720P playback	4CH 1080P real time record / 4CH 720P real time playback	8CH 1080P Record / 1CH Playback 8CH 720P record / 4CH Playback	8CH 1080P Record / 1CH Playback 8CH 720P record / 4CH Playback	8CH 1080P Record / 1CH Playback 8CH 720P record / 4CH Playback
Intelligent video	Motion detection	Motion detection	Motion detection	Motion detection	Motion detection	Motion detection
Pan/tilt/zoom support	Yes	Yes	Yes	Yes	Yes	Yes
Security	passwords	passwords	passwords	passwords	passwords	passwords
Network	IPv4	IPv4	IPv4	IPv4	IPv4	IPv4
Power	DC power	DC power	DC power	DC power	DC power	DC power
Serial connectors	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless
Hard Disk connectors	E-SATA	1 SATA, up to 4TB	1 SATA, up to 3TB	1 SATA, up to 2TB	1 SATA, up to 2TB	2 SATA, up to 4TB
USB connectors	2 USB connectors	3 USB connectors	2 USB connectors	2 USB connectors	3 USB connectors	2 USB connectors
Shipping Size(l*w*h)ft/Weight	3.5*3.5*1.3 0.25kg					
Price						

# RYD Security NVR



www.rydsecurity.com Economical Network Video Recorder Series

Luxury Network Video Recorder Series

Model number	RYD-NV301602	RYD-NV2821602		RYD-NV310902	RYD-NV311604	RYD-NV312004
Image						
Video compression	H.264 High profile	H.264 High profile		H.264 High profile	H.264 High profile	H.264 High profile
Max video resolution (pixels)	16ch 1280*720p 9ch 1920*1080p	16ch 1280*720p 9ch 1920*1080p		9ch 1080P 4ch 3.0MP	16ch 960P 9ch 1080P	20ch 960P/16ch 1080P/4ch 3.0M
Video source	16 BNC composite inputs	16 BNC composite inputs		9 BNC composite inputs	16 BNC composite inputs	20 BNC composite inputs
Video input	16x(1280*960)+4Play 9x(1920*1080)+1Play	16x(1280*960)+4Play 9x(1920*1080)+1Play		9chx(1920*1080)+4Play	16chx(1820*960)+4Play 9ch*(1920*1080)+1Play	20chx(1820*960)+4Play
Video output	1ch VGA+1ch HDMI	1ch VGA+1ch HDMI		1ch VGA+1ch HDMI	1ch VGA+1ch HDMI	1ch VGA+1ch HDMI
Audio in-/outputs	16ch input 1ch output	16ch input 1ch output		9ch input 1ch RCA output	16ch input 1ch RCA output	16ch input 1ch RCA output
Alarm in-/outputs	-/-	4 ch input 1 ch output		4 ch input 1 ch output	-/-	4 ch input 1 ch output
Record/playback	16CH 1080P Record / 1CH Playback	16CH 1080P Record / 1CH Playback		9CH 1080P Record 4CH Playback	16ch 960P Record / 4Play 9ch 1080P Record / 1Play	20ch 960P Record / 4Play 9ch 1080P Record / 1Play
Intelligent video	Motion detection	Motion detection		Motion detection	Motion detection	Motion detection
Pan/tilt/zoom support	Yes	Yes		Yes	Yes	Yes
Security	passwords	passwords		passwords	passwords	passwords
Network	IPv4	IPv4		IPv4	IPv4	IPv4
Power	DC power	DC power		DC power	DC power	DC power
Serial connectors	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless		RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless
Hard Disk connectors	2 SATA, up to 8TB	2 SATA, up to 6TB		2 SATA, up to 8TB	4 SATA, up to 16TB	4 SATA, up to 16TB
USB connectors	3 USB connectors	2 USB connectors		3 USB connectors	3 USB connectors	3 USB connectors
Size(l*w*h)ft	13.8*9.5*2.8	17.2*12.7*2.6		13.7*9.4*2.8	17.3*14.1*2.8	17.3*14.1*2.8
Price						

# RYD Security NVR



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## Network Video Recorder Series For Project

Model number	RYD-NV310909	RYD-NV311609	RYD-NV313609			
Image						
Video compression	H.264 High profile	H.264 High profile	H.264 High profile			
Max video resolution (pixels)	9ch 1080P 4ch 3.0MP	20ch 960P/16ch 1080P 4ch 3.0M	36ch 960P/25ch 1080P			
Video source	9 BNC composite inputs	16 BNC composite inputs	36 BNC composite inputs			
Video input	9chx(1920*1080)+4Play	20chx(1820*960)+4Play	20chx(1820*960)+4Play			
Video output	1ch VGA+1ch HDMI	1ch VGA+1ch HDMI	1ch VGA+1ch HDMI			
Audio in-/outputs	9ch input 1ch RCA output	16ch input 1ch RCA output	36/25ch input 1ch RCA output			
Alarm in-/outputs	4 ch input 1 ch output	4 ch input 1 ch output	4 ch input 4 ch output			
Record/playback	9CH 1080P Record 4CH Playback	9CH 1080P Record 4CH Playback	36ch 960P Record 9ch Playback			
Intelligent video	Motion detection	Motion detection	Motion detection			
Pan/tilt/zoom support	Yes	Yes	Yes			
Security	passwords	passwords	passwords			
Network	IPv4	IPv4	IPv4			
Power	DC power	DC power	DC power			
Serial connectors	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless	RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless	2 RJ-45, 10M/100M self-adaptive LAN port, 3G, wireless			
Hard Disk connectors	9 SATA, up to 36TB	9 SATA, up to 36TB	9 SATA, up to 36TB			
USB connectors	3 USB connectors	3 USB connectors	3 USB connectors			
Size(l*w*h)ft	17.3in*17.7*3.5	17.3*17.7*3.5	17.3*17.7*3.5			
Price						



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**Note:**

**1. 3 series NVR works with 6,7,8 cases IP cameras. 1,2 series NVR works with other cases IP cameras.**

**2. all network cameras and SDVR, NVR support ONVIF complaint**