RYD Security Company Ltd

China Headquarters
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USA Technical Partner
Address: 350 W 9th Avenue, Suite 106 Escondido, CA, 92025 USA, Tel:1 858 748 1600 ext. 333/334
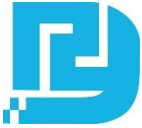
Hi 1.3MP Series Network Cameras

<u>Economic</u> series

Product Features

- Hi 3518 1/3 HDIS Sensor
- Up to 1.3 Megapixel(MPX) Resolution
- 2.8/3.6/6/8/12/16mm Lens option
- Integrated Adaptive IR Illumination
- Motion Detection and video mask
- Operating Temperature from −20°C to 50°C (−4°F to 122°F)

- Power over Ethernet (PoE) and 12 DC/2A Power Input option
- Compatible with RYD and Third-Party Video Systems
- ONVIF V2.6 Conformant Support
- 1-Year Warranty and support free

Product Specifications

Model	RYD—NW731-Hi1.3	RYD-NW630-Hi1.3	RYD-AK-Hi1.3	
Image				
Lens	2.8/3.6/6/8mm option	3.6/6/8/12mm option	2.8-12mm only	
Angle of View	2.8mm	3.6mm	2.8mm(wide)-12mm(telephoto)	
Horizontal	86.3°	67.4°	86.3°	22.1°
Vertical	64.7°	50.6°	64.7°	16.6°
IR Working Distance	30m (98ft)	50m (164ft)	25m (65.6ft)	
Low-Light Technology	18pcs Φ5 Standard LEDs	1pcs IR III Array LEDs	21 Standard LEDs	
Power Consumption	1.8W(IR off)/2.5W(IR on)	2.0W(IR off)/2.5W(IR on)	2W(IR off)/2.5W(IR on)	
Waterproof	Not Available	Not Available	Not Available	
Product Size	6.26in(L)*6.26in(W)*3.22in(H)	5.04in(L)*5.04n(W)*3.54in(H)	0.61lb	
Product Weight	0.49lb	0.71lb	ABS Plastic	
Color Option	White smoke	Black	white	
Construction	plastic	plastic	plastic	

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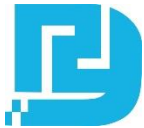
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Model	RYD-NWAQ-Hi1.3	RYD-AH-Hi1.3	RYD-AF-Hi1.3
Image			
Lens	3.6/6mm option	3.6/6mm option	2.8-12mm only
Angle of View	3.6mm/F1.2.	3.6mm/F1.2.	8mm(wide)-12mm(telephoto)
Horizontal	67.4°	67.4°	86.3°　　　22.1°
Vertical	55.6°	55.6°	64.7°　　　16.6°
IR Working Distance	Not Available	30m (98ft)	40m(131ft)
Low-Light Technology	Not Available	2pcs mini IR array LED	3pcs mini IR array LED
Power Consumption	0.9W	3.0W(IR off)/3.5W(IR on)	4.5W(IR off)/5.0W(IR on)
Product Size			
Product Weight	0.37lb	0.37lb	1.22lb
Construction	ABS Plastic	Metal	Metal
Color Option	White	White	White

Model	RYD-AO-Hi1.3	RYD-AM-Hi1.3	RYD-AX-Hi1.3	RYD-AV-Hi1.3
Image				
Lens	3.6/6/8mm option	4/6/8/12mm option	3.6/6mm option	4/6/8/12/16mm option
Angle of View	3.6mm/F1.2(wide)	4mm/F1.2(wide)	3.6mm/F1.2(wide)	4mm/F1.2(wide)
Horizontal	67.4°	62°	67.4°	62°
Vertical	50.6°	46.5°	50.6°	46.5°
IR Working Distance	30m (98ft)	60m (197ft)	40m (131ft)	60m (197ft)
Low-Light Technology	2 mini Array LEDs	2pcs Super Power IR Array LEDs	3pcs mini Array LEDs	2pcs Super Power IR Array LEDs
Power Consumption	3W(IR off)/3.5W(IR on)	6.5W(IR off)/7W(IR on)	4.5W(IR off)/5.0W(IR on)	6.5W(IR off)/7W(IR on)
Water Resistance	IP66	IP66	IP66	IP66
Product Size	6.8in(L)*2.8in(W)*2.7in(H)	12.9in(L)*4.4in(W)*3.8in(H)	8.1in(L)*3.5in(W)*3.4in(H)	9.8in(L)*7.7in(W)*4.7in(H)
Product Weight	0.77lb	2.0lb	0.91lb	1.1lb
Color Option	Gray, White	White, Dark Blue	Dark Blue, White	Dark Blue, White

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Model	RYD—NW858-Hi1.3	RYD-NW879-Hi1.3	RYD-NW861-Hi1.3
Image			
Lens	3.6/6/8mm option	3.6/6/8mm option	4/6/8/12/16mm option
Angle of View	3.6mm	3.6mm	4mm
Horizontal	67.4°	67.4°	71°
Vertical	50.6°	50.6°	53.3°
IR Working Distance	50m (163ft)	70m (229ft)	60m (196ft)
Low-Light Technology	2pcs IR III Array LEDs	4pcs IR III LEDs	4pcs IR III Array LEDs
Power Consumption	1.8W(IR off)/2.5W(IR on)	3.6W(IR off)/4.4W(IR on)	3.60W(IR off)/4.4W(IR on)
Waterproof	IP66	IP66	IP66
Product Size	6.610in(L)*3.54in(W)*2.76in(H)	7.87in(L)*4.41in(W)*3.19in(H)	8.74in(L)*5.23in(W)*3.46n(H)
Product Weight		0.930lb	1.76lb
Color Option	White smoke/ black with MOQ:50pcs	White smoke/ black with MOQ:50pcs	White smoke/ black with MOQ:50pcs
Construction	aluminium alloy	aluminium alloy	aluminium alloy

Product Details

Camera

This economic series cameras feature fixed lens for deferent angle and deferent range surveillance needs. Electronic focusing lens capability ensures the camera can be adjusted the sharpness when needed. Additionally, this Series features advanced color science, a mechanical IR cut filter, and advanced integrated adaptive IR illumination for increased sensitivity in low-light installations.

Video

This economic series cameras support up to two simultaneous video streams and a third service stream. The two streams can be compressed with efficient H.264 main profile. The streams can be configured to a variety of frame rates and variable bit rates to optimize image quality with bandwidth and storage efficiency

Security and Access

This economic series cameras feature simple motion detection algorithms allowing the camera to record or send an alarm when there is motion in selected zones or in an entire scene. Video mask function can protect your privacy when you need One administrator up to 4 viewers, multiple user access with password protection

Open and Integrated

This economic series cameras seamlessly connect to RYD video management systems. It integrate with major third-party video management systems through the RYD APK and other third-party software and systems through the open ONVIF V2.6 complaint Standard

Standard Web Interface

This economic cameras use a standard Web browser interface for easy remote setup and administration. Controls are optimized for convenient camera configuration for features including color, exposure, flicker control, and streaming.

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Technical Specifications

CAMERA

Imaging Device:

MPX	Sensor	Max. Resolution
1.3 MPX	1/3-inch	1280x960(1.3MPX)

Imager Type:	CMOS
Imager Read out:	Progressive scan
Electronic Shutter Range:	1/50 ~ 1/100,000 sec
Dynamic Range:	48 dB
White Balance Range:	2,500° to 8,000°K
Digital Noise Reduction:	Yes (ON/OFF selectable)
Max. Illumination:	0.02 Lux /F1.4 (IR on)
Mechanical IR Cut Filter:	Yes (AUTO/MANUAL selectable)
IR Illumination:	Auto ON in night mode, or OFF
Lens:	3.6/6/8/12/16mm option
Focus:	electronic focus

LENS

Lens Type:	Built-in
Focal Length:	F/1.2, 3.6/6/8/12/16mm option
Focus:	electronic focus
Zoom:	Not available
Auto Iris Type:	Not available

VIDEO

Video Streams:	Up to 2 simultaneous streams, plus service stream; the secondary stream is variable based on the setup of the primary stream
Video Overlay:	Camera name, time, date
Video Encoding:	efficient H.264 main profile
Bit Rate Control:	Constant bit rate (CBR), constrained variable bit rate (CVBR) with target range
Service Stream:	320 x 240 (0.1 MPX)
Window Blanking:	4 configurable windows

AUDIO

Streaming:	Dual-channel
Input:	Line in/terminal block
Encoding:	G.711 /G.726

ELECTRICAL

Network Port:	RJ-45 connector for 100Base-TX
Power Input:	PoE (IEEE 802.3af) or 12DC power adaptor
Power Consumption:	<10.50 W
Local Storage:	Not available

Alarm

Input:	1
Output:	1
Triggers:	Not Available

ENVIRONMENTAL

Operating Temperature:	–20° to 50°C (–4° to 122°F)
Storage Temperature:	–15° to 55°C (5° to 131°F)
Operating Humidity:	15% to 85%, RH noncondensing
Storage Humidity:	20% to 80% RH noncondensing

NETWORK

Supported Protocols:	IPv4, TCP/IP, UDP, HTTP, RTP/RTCP/RTSP, FTP, UPnP, DDNS, NTP, IGMP, ICMP

Users:

Unicast:	1 administrator, up to 4 viewers
Multicast:	Unlimited users efficient H.264 main profile
Security Access:	Multiple user access levels with password protection

INTEGRATION

Video Management:	RYD VMS, Third-party VMS through RYD APK and ONVIF V2.2
Mobile Application:	Integrated to android, blackberry, window system smart phone
Video Motion Detection:	Simple motion detection
Video Mask:	Simple video mask
Local Storage:	Video of motion detection, or alarm input to save to local NVR or server
Web Browser Support:	Microsoft® Internet Explorer® 8.0 and later

OPTIONAL ACCESSORIES

RYD IP camera tester:	Contact RYD Product Support for more information about the use of the RYD IP camera tester with cameras