RYD Security Company Ltd

China Headquarters
Address: No.05, 5F, B90, Zhangkeng Second Zone, Baoan District, Shenzhen,China 518000, Tel: 86 755 2685 7580
USA Technical Partner
Address: 350 W 9th Avenue, Suite 106 Escondido, CA, 92025 USA, Tel:1 858 748 1600 ext. 333/334
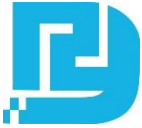
Ambarella Series Network Cameras

Powerful, luxury, Professional Range, Customized for project series

Product Features

- Ambarella Chipset A5-66, Sony IMX122 1/2.8 2M HDIS sensor
- Up to 2.0 Megapixel(MPX) Resolution
- 4/8/12/16mm, 2.8~12mm,6~22mm Lens option
- Integrated Adaptive IR Illumination
- Motion Detection
- Operating Temperature from −20°C to 50°C

- (−4°F to 122°F)
- Power over Ethernet (PoE) and 12 DC 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—NW682-A2		RYD-NW685-A2		RYD-NW875-A2
Image					
Lens	2.8~12mm auto iris vertical zoom lens		6~60mm auto iris vertical zoom lens		6/8/12/16mm zoom lens option
Angle of View	2.8mm(wide)-12mm(telephoto)		6mm(wide)-60mm(telephoto)		6mm
Horizontal	86.3°	22.1°	42.3°	3.5°	42.3°
Vertical	64.7°	16.6°	31.5°	2.6°	31.5°
IR Working Distance	80m (261ft)		80m (261ft)		70m (228ft)
Low-Light Technology	4pcs Standard Array LEDs		4pcs OSRAM IR IV LEDs		2pcs IR III Array LEDs
Power Consumption	4.5W(IR off)/5.5W(IR on)		4.5W(IR off)/5.5W(IR on)		3.5W(IR off)/4.5W(IR on)
Waterproof	IP66		IP66		IP67
Product Size	12.2in(L)*4.65in(W)*3.58in(H)		15.7n(L)*6.45n(W)*5.59n(H)		5.5n(L)*5.5n(W)*3.7n(H)
Product Weight	2.48lb		9.9lb		1.98lb
Color Option	white		gray		white
Construction	aluminum		aluminum		aluminum

RYD Security Company Ltd

China Headquarters
Address: No.05, 5F, B90, Zhangkeng Second Zone, Baoan District, Shenzhen,China 518000, Tel: 86 755 2685 7580
USA Technical Partner
Address: 350 W 9th Avenue, Suite 106 Escondido, CA, 92025 USA, Tel:1 858 748 1600 ext. 333/334

Product Details

Professional Range

Powerful, luxury, Customized for project, this Professional range cameras pack the most popular features and functionality of technology into a wide range of outdoor environmental, Mix and match the performance options and form factor you need for almost any lighting condition, environment, and application.

Camera

Within the Professional range, this Series bullet cameras feature a remote zoom lens for wide angle and long range surveillance needs. Auto iris 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 Professional range cameras support up to two simultaneous video streams and a third service stream. The two streams can be compressed with efficient H.264 high. 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 Professional range cameras feature simple motion detection algorithms allowing the camera to record or send an Including color, exposure, flicker control, and streaming.

alarm when there is motion in selected zones or in an entire scene.

One administrator up to 4 viewers, multiple user access levels with password protection

Open and Integrated

This Professional range 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 Professional range cameras use a standard Web browser interface for easy remote setup and administration. Controls are optimized for convenient camera configuration for features

RYD Security Company Ltd

China Headquarters
Address: No.05, 5F, B90, Zhangkeng Second Zone, Baoan District, Shenzhen,China 518000, Tel: 86 755 2685 7580
USA Technical Partner
Address: 350 W 9th Avenue, Suite 106 Escondido, CA, 92025 USA, Tel:1 858 748 1600 ext. 333/334

Technical Specifications

CAMERA

Imaging Device:

MPX	Sensor	Max. Resolution
2.0 MPX	1/2.8-inch	1920x1080(2.1MPX)

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:	2.8 to 12mm/ 6 to 60mm zoom lens with auto iris
Focus:	Manual focus

LENS

Lens Type:	Built-in; Varifocal.
Focal Length:	F/1.2, 2.8 ~ 12mm, 6~60mm, 4/6/8/12/16mm option
Focus:	Manual focus
Zoom:	Remote
Auto Iris Type:	DC drive iris lens

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 H.264
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