RYD Security Company Ltd

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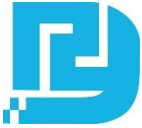
Ambarella Series Network Cameras

Powerful, luxury, Professional Range, Customized for project series

Product Features

- Ambarella Chipset A5-66, 1/3" 3Megapixel progressive scan Aptina CMOS
- Up to 3.0 Megapixel(MPX) Resolution
- 4/8/12/16mm, 2.8~12mm lens option
- Integrated Adaptive IR Illumination and WDR with 100dB
- Motion Detection, mask video
- 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-NWLK-A3	RYD-NWVD-A3	RYD-NWVC-A3	RYD-NWA2-A3
Image				
Lens	-/-	2.8~12mm DC iris vertical zoom	2.8~12mm DC iris auto zoom	2.8~12mm DC iris auto zoom
Angle of View	-/-	2.8mm(wide)-12mm(telephoto)	2.8mm(wide)-12mm(telephoto)	2.8mm(wide)-12mm(telephoto)
Horizontal	-/-	86.3° 22.1°	86.3° 22.1°	86.3° 22.1°
Vertical	-/-	64.7° 16.6°	64.7° 16.6°	64.7° 16.6°
IR Working Distance	-/-	30m(98ft)	-/-	60m(196ft)
Low-Light Technology	-/-	30pcs Standard Array LEDs	-/-	2pcs Super Power IR Array LEDs
Power Consumption	3W	4W	2W	8W
Waterproof	Not Available	Yes and vandal-proof	Yes	Yes
Product Size(inch)	8.78x6.90x3.29	5.70x4.33	5.70x4.33	12.60x6.0x4.22
Product Weight	0.65kg	0.85kg	0.82kg	1.35kg
Color Option	Not Available	White	White	White
Construction	aluminum	aluminum	aluminum	aluminum

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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

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Technical Specifications

CAMERA

Imaging Device:

MPX	Sensor	Max. Resolution
3.0 MPX	1/3-inch	(2048×1536)3.0M

Imager Type:	CMOS
Imager Read out:	Progressive scan
Electronic Shutter Range:	1/50 ~ 1/100,000 sec
Dynamic Range:	100 dB
White Balance Range:	2,500° to 8,000°K
Digital Noise Reduction:	Yes (ON/OFF selectable)
Max. Illumination:	0.01 Lux /F1.2 (IR on)
Mechanical IR Cut Filter:	Yes (AUTO/MANUAL selectable)
IR Illumination:	Auto ON in night mode, or OFF
Lens:	2.8 to 12mm zoom lens with DC iris
Focus:	Manual/Auto focus

LENS

Lens Type:	Built-in; Varifocal; Auto
Focal Length:	F/1.2, 2.8 ~ 12mm option
Focus:	Manual /Auto 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