



AYRUS GLOBAL TECHNOLOGIES

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ECO R SERIES

PRODUCT GUIDE

Camera/ NVR/ XVR/ Wireless





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Camera

Day/Night IPC / Full color IPC / Active Deterrence IPC
HD Camera / PTZ

02

NVR

Pro Series / Ultra Series / Value 4K PoE Series
Value 4K Non-PoE Series / Economic 4K PoE Series
Economic 4K Non-PoE Series

03

XVR

Value 4K Series / Value 5MP-Lite Series
Economic 5MP-Lite Series

04

AYVIEW VMS

AYRUS AYVIEW VMS (Video Monitoring System) is AI BASED Advanced Management System used to manage Video Surveillance of a Multiple sites. The VMS client can be used in conjunction with DVR, NVR, IPC, network storage equipment and alarm equipment.

www.ayrusglobal.com



ABOUT US

AYRUS - The Global Brand in Advanced surveillance and security solutions From USA . AYRUS is having The comprehensive range of products & solutions for monitoring & securing millions of People & Facilities across the Globe, AYRUS offers an extensive portfolio of high quality products, solutions and services featuring intelligent functionality and modular concepts which enable us to deliver the best Value Proposition & Solutions to our valued clientele.

AYRUS products serve a diverse set of vertical markets that includes retail, banking and finance, transportation, education, commercial, government, and residential applications. AYRUS 's mission is to provide easy-to-install, simple-to-operate, high- quality and competitive-priced line of video surveillance products and let people feel safe in their daily life and work.

From SMT workshop, wave soldering workshop, assembling, testing to packing, a complete ISO certificated manufacturing system with 500 skilled & trained employees had been built to ensure more than 100,000 units DVR/NVR & 400,000 cameras are exported monthly to all over the world. All the products released from AYRUS are CE, FCC certificated and matched to RoHS standard.

More than 250 professional R&D engineers are employed for mechanical design and electron software. We realize that continuous innovation is the core competitive power of AYRUS , and accordingly, no less than 10% of our annual sales are invested in R&D every year to ensure our products always keep abreast with technological innovation.

AYRUS is dedicated to providing global resources with local technical, sales and service supports to its valued customers. With remarkable presence in 54 countries along with 9000+ strong partner network, we continue to enjoy rapid and steady growth and would like to invite you to be a witness of our global success.

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AI IP Camera



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AI IP Camera

AYRUS new AI Series network camera with enhanced deep learning algorithm supports various intelligent functions and satisfies the requirements in different scenes. This series of network camera has excellent image processing technology and low illuminance environment, also provides real-time active deterrence from crime, intruders and unwanted behavior.



Easy Configuration

Easily and quickly enable a video analysis rule to start enjoying the simplicity and effectiveness AI performance. Users can easily enable an algorithm manually for specific use.



False Alarm Reduction

A new generation AI algorithm accurately senses and distinguishes human and vehicle movements from other moving objects, reducing false alarms.



Quick Target Search

Enables staff to automatically identify footage of people and vehicles, eliminating the high costs of manual searches of video footage



Queue Management

A new generation AI algorithm can detect the number of people waiting in line and the wait time warning.



Density Control by People Counting

Supports people counting when individuals enter and exit a specified area within a certain time frame.



Color-full

Clear, full color images days and night with brilliant detail and clarity for more rapid identification of objects. Also illuminates darkened walkways within cities or buildings.



H.265+ Video Compression

Effective H.265+ video compression technology for bandwidth and storage savings



Simple Third-Party Integration

Allowing third-party integrators the flexibility to use intelligent analysis results. Capabilities can be further expanded with customized project development.



AI Functions

Face Recognition

Adopt deep learning algorithm to extract facial features, then recognize the faces accurately after comparing with the facial pictures in the system.



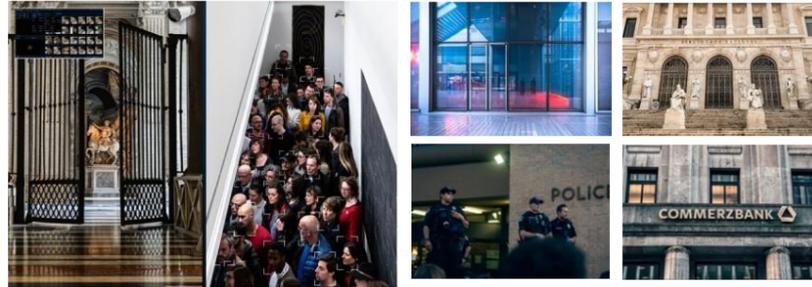
Face Recognition



AI Search

Gate Control

To control the gate according to the White and Block list by face recognition, which is nice to manage personnel entry and exit.



Mask Detection

Sound a warning notice when someone detected not wearing a mask. To improve the management efficiency of public areas and reduce the cost of manual inspection.



SOD

alarm for the legacy of object and lost of object

legacy of object : Set a specific area in the picture as caution status, once there is something else stay in this area, it could immediately trigger alarm.



lost of object : Set a specific area in the picture as caution status, once the object leave this areas, it could immediately trigger alarm.



AI Functions

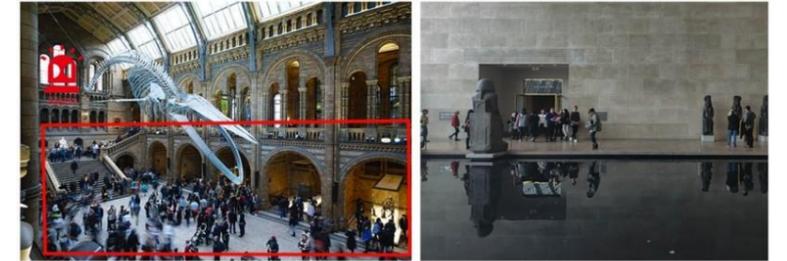
Face Attendance

The staff can clock on and off by face, no contact, no feeling, which can reduce bacterial contact or viral cross-infection. Moreover, the face attendance data can be exported as a file and be sent to the specified email address according to the schedule setting.



Regional population statistics

Real time to detect the number of people in a specific area, when the number of people in the area exceeds the limit threshold, an alarm will be sent out to avoid the situation of too dense crowd, which is convenient for on-site management.



Customers flow statistics

Customers flow cycle analysis, repeat visitor statistics, customers flow time period analysis, accurate analysis of customers age and gender, analysis of the proportion of new and old customers, helping sellers to efficiently market.



Queue length detection

Queue length detection, which can detect single-person processing events and real-time alarms when there are too many people in the queue, so that managers can handle abnormal situations in time, improve service efficiency, and enhance customer shopping experience.

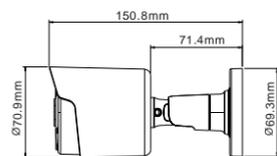




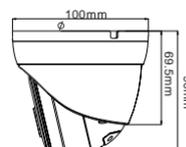
Day Night IPC 2/5/8MP AI Fix Series



CK



KGB



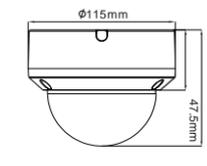
Model	AY-ECO-R142-2M AY-ECO-R143-2M	AY-ECO-R240-5M AY-ECO-R236-5M	AY-ECO-R314-8M AY-ECO-R315-8M	AY-ECO-R312-8M AY-ECO-R328-8M
Imaging Device	1/2.8"	1/2.7"	1/2.8"	1/2.7"
Effective Pixels	2MP 1920(H)x1080(V)	5MP 2592(H)x1944(V)	8MP 3840(H)x2160(V)	
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON			
Focal Length (Zoom Ratio)	2.8/3.6mm			
Angular Field of View	Horizontal: 87°, Vertical: 44°, Diagonal: 104°	Horizontal: 79°, Vertical: 56°, Diagonal: 106°	Horizontal: 87°, Vertical: 44°, Diagonal: 104°	Horizontal: 91°, Vertical: 46°, Diagonal: 109°
Min. Object Distance	2m			
Lens Type	Fixed(M12)			
IR Viewable Length	Up to 30m			
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)			
Wide Dynamic Range	WDR			
Digital Noise Reduction	3D DNR			
Motion Detection	Off/On (8 Level)			
White Balance	Auto/Manual			
Electronic Shutter Speed	1/5 ~ 1/20000s			
On-Board Storage	Micro SD slot, up to 256GB			
Alarm	NA			
Audio	Built-in microphone			
Hardware Reset	Yes			
Smart Feature	PID,LCD,PD/VD, FD,SOD,CC,HM,CD ,QD,LPD,RSD		FD,PD&VD,PID,LCD,SOD,CC,HM,RSD	
Ethernet	RJ45(10/100BASE-T)			
Video Compression Format	H.265/H.264			
Max.Resolution	1080P(1920x1080)@60fps	5MP(2592x1944)@30fps	8MP(3840x2160)@30fps	8MP(3840x2160)@25fps
Video Quality Ajustment	8Kbps ~ 8Mbps		8Kbps ~ 16Mbps	
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP			
Application Programming Interface	ONVIF(Profile S/G/T)			
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH			
Ingress Protection	IP66			
Input Voltage / Current	D12V/PoE(IEEE802.3af)			
Power Consumption(IR OFF)	2W - 4W			
Power Consumption(IR ON)	4W - 6.5W			
Material	Metal			



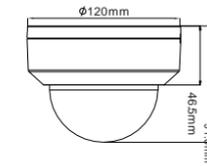
Day Night IPC 2/5/8MP AI Fix Series



RB



DC



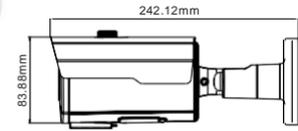
Model	AY-ECO-R145-2M AY-ECO-R144-2M	AY-ECO-R243-5M AY-ECO-R242-5M	AY-ECO-R317-8M AY-ECO-R316-8M	AY-ECO-R329-8M AY-ECO-R330-8M
Imaging Device	1/2.8"	1/2.7"	1/2.8"	1/2.7"
Effective Pixels	2MP 1920(H)x1080(V)	5MP 2592(H)x1944(V)	8MP 3840(H)x2160(V)	
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON			
Focal Length (Zoom Ratio)	2.8mm			
Angular Field of View	Horizontal: 105°, Vertical:55°, Diagonal: 126°	Horizontal: 97°, Vertical: 70°, Diagonal: 128°	Horizontal: 105°, Vertical: 56°, Diagonal: 126°	Horizontal: 110°, Vertical: 58°, Diagonal: 132°
Min. Object Distance	1.8m			
Lens Type	Fixed(M12)			
IR Viewable Length	Up to 20m			
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)			
Wide Dynamic Range	WDR			
Digital Noise Reduction	3D DNR			
Motion Detection	Off/On (8 Level)			
White Balance	Auto/Manual			
Electronic Shutter Speed	1/5 ~ 1/20000s			
On-Board Storage	Micro SD slot, up to 256GB			
Alarm	1 input, 1 output			
Audio	1 input (RCA), 1 output (RCA)			
Hardware Reset	Yes			
Smart Feature	PID,LCD,PD/VD, FD,SOD,CC,HM,CD ,QD,LPD,RSD		FD,PD&VD,PID,LCD,SOD,CC,HM,RSD	
Ethernet	RJ45(10/100BASE-T)			
Video Compression Format	H.265/H.264			
Max.Resolution	1080P(1920x1080)@60fps	5MP(2592x1944)@30fps	8MP(3840x2160)@30fps	8MP(3840x2160)@25fps
Video Quality Ajustment	8Kbps ~ 8Mbps		8Kbps ~ 16Mbps	
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP			
Application Programming Interface	ONVIF(Profile S/G/T)			
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH			
Ingress Protection	IP66			
Input Voltage / Current	D12V/PoE(IEEE802.3af)			
Power Consumption(IR OFF)	2W - 4W			
Power Consumption(IR ON)	4W - 6.5W			
Material	Metal / Plastic			



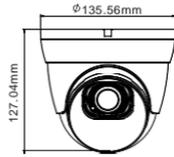
Day Night IPC 2/5/8MP AI Varifocal Series



ND



MCA



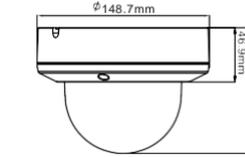
Model	AY-ECO-R148-2M AY-ECO-R149*2M	AY-ECO-R246-5M AY-ECO-R247-5M	AY-ECO-R319-8M AY-ECO-R320-8M	AY-ECO-R331-8M coming soon AY-ECO-R332-8M
Imaging Device	1/2.8"	1/2.7"	1/2.8"	1/2.7"
Effective Pixels	2MP 1920(H)x1080(V)	5MP 2592(H)x1944(V)	8MP 3840(H)x2160(V)	
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON			
Focal Length (Zoom Ratio)	2.8-12mm	2.7-13.5mm		
Angular Field of View	Horizontal: 33 ~ 101°, Vertical:18 ~ 52°, Diagonal: 37 ~ 124°	Horizontal: 31 ~ 102°, Vertical:23 ~ 73°, Diagonal: 38 ~ 138°	Horizontal: 33 ~ 111°, Vertical:18 ~ 57°, Diagonal: 37 ~ 134°	Horizontal: 34 ~ 116°, Vertical:19 ~ 59°, Diagonal: 39 ~ 142°
Min. Object Distance	1.2m(W/T)	0.3m~INF	0.8m~INF(W),1m~INF(T)	
Lens Type	Motorized(Ø14)			
IR Viewable Length	Up to 45m			
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)			
Wide Dynamic Range	WDR			
Digital Noise Reduction	3D DNR			
Motion Detection	Off/On (8 Level)			
White Balance	Auto/Manual			
Electronic Shutter Speed	1/5 ~ 1/20000s			
On-Board Storage	Micro SD slot, up to 256GB			
Alarm	1 input, 1 output			
Audio	1 input (RCA), 1 output (RCA)			
Hardware Reset	Yes			
Smart Feature	PID,LCD,PD/VD, FD,SOD,CC,HM,CD ,QD,LPD,RSD		FD,PD&VD,PID,LCD,SOD,CC,HM,RSD	
Ethernet	RJ45(10/100BASE-T)			
Video Compression Format	H.265/H.264			
Max.Resolution	1080P(1920x1080)@60fps	5MP(2592x1944)@30fps	8MP(3840x2160)@30fps	8MP(3840x2160)@25fps
Video Quality Ajustment	8Kbps ~ 8Mbps		8Kbps ~ 16Mbps	
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTTP,NTP,UPnP,SNMP,HTTPS,FTP			
Application Programming Interface	ONVIF(Profile S/G/T)			
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH			
Ingress Protection	IP66			
Input Voltage / Current	D12V/PoE(IEEE802.3af)			
Power Consumption(IR OFF)	3W - 5W			
Power Consumption(IR ON)	7W - 10W			
Material	Metal			



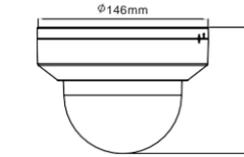
Day Night IPC 2/5/8MP AI Varifocal Series



FG



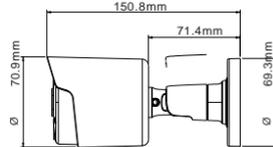
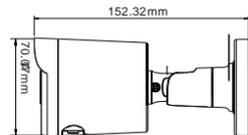
DB



Model	AY-ECO-R152-2M AY-ECO-R153-2M	AY-ECO-R250-5M AY-ECO-R253-5M	AY-ECO-R323-8M AY-ECO-R325-8M	AY-ECO-R400-F2M coming soon AY-ECO-R401-F2M
Imaging Device	1/2.8"	1/2.7"	1/2.8"	1/2.7"
Effective Pixels	2MP 1920(H)x1080(V)	5MP 2592(H)x1944(V)	8MP 3840(H)x2160(V)	
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON			
Focal Length (Zoom Ratio)	2.8-12mm	2.7-13.5mm		
Angular Field of View	Horizontal: 33 ~ 101°, Vertical:18 ~ 52°, Diagonal: 37 ~ 124°	Horizontal: 31 ~102°, Vertical: 23 ~ 73°, Diagonal: 38 ~ 138°	Horizontal: 33 ~111°, Vertical: 18 ~ 57°, Diagonal: 37 ~ 134°	Horizontal:34~116°, Vertical: 19~59°, Diagonal: 39~142°
Min. Object Distance	1.2m(W/T)	0.3m~INF	0.8m~INF(W),1m~INF(T)	0.8m(W) ~ 1m(T)
Lens Type	Motorized(Ø14)			
IR Viewable Length	Up to 30m			
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)			
Wide Dynamic Range	WDR			
Digital Noise Reduction	3D DNR			
Motion Detection	Off/On (8 Level)			
White Balance	Auto/Manual			
Electronic Shutter Speed	1/5 ~ 1/20000s			
On-Board Storage	Micro SD slot, up to 256GB			
Alarm	1 input, 1 output			
Audio	1 input (RCA), 1 output (RCA)			
Hardware Reset	Yes			
Smart Feature	PID,LCD,PD/VD, FD,SOD,CC,HM,CD ,QD,LPD,RSD		FD,PD&VD,PID,LCD,SOD,CC,HM,RSD	
Ethernet	RJ45(10/100BASE-T)			
Video Compression Format	H.265/H.264			
Max.Resolution	1080P(1920x1080)@60fps	5MP(2592x1944)@30fps	8MP(3840x2160)@30fps	8MP(3840x2160)@25fps
Video Quality Ajustment	8Kbps ~ 8Mbps		8Kbps ~ 16Mbps	
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTTP,NTP,UPnP,SNMP,HTTPS,FTP			
Application Programming Interface	ONVIF(Profile S/G/T)			
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH			
Ingress Protection	IP66			
Input Voltage / Current	D12V/PoE(IEEE802.3af)			
Power Consumption(IR OFF)	3W - 5W			
Power Consumption(IR ON)	5W - 8W			
Material	Metal / Plastic			



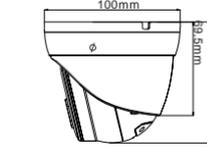
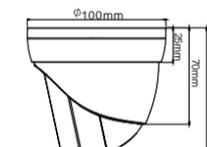
Day Night IPC 2/5/8MP AI Lite WDR Fix



Model	AY-ECO-R155-2M	AY-ECO-R222-5M	AY-ECO-R254-5M coming soon
Imaging Device	1/3"	1/2.7"	
Effective Pixels	2MP 1920(H)x1080(V)	5MP 2880(H)x1620(V)	8MP 3840(H)x2160(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON		
Focal Length (Zoom Ratio)	2.8mm	3.6mm	
Angular Field of View	Horizontal:88.2°, Vertical:48.7°, Diagonal: 104.5°	Horizontal: 91°, Vertical: 46°, Diagonal: 110°	Horizontal: 91°, Vertical: 46°, Diagonal: 109°
Min. Object Distance	0.8m	2m	
Lens Type	Fixed(M12)		
IR Viewable Length	Up to 25m	Up to 30m	
Day & Night	IR cut filter with auto switch(Day/Night/Image/Schedule)		
Wide Dynamic Range	DWDR	WDR	
Digital Noise Reduction	3D DNR		
Motion Detection	Off/On (8 Level)		
White Balance	Auto/Manual		
Electronic Shutter Speed	1/5 - 1/20000s		
On-Board Storage	Micro SD slot, up to 256GB		
Alarm	NA		
Audio	Built-in microphone		
Hardware Reset	Yes		
Smart Feature	SMD	PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD,LPD	PID,LCD,SOD,PD/VD,CC,CD,QD,HM
Ethernet	RJ45(10/100BASE-T)		
Video Compression Format	H.265/H.264		
Max.Resolution	2MP(1920x1080)@30fps	5MP(2880x1620)@30fps	8MP(3840x2160)@20fps
Video Quality Ajustment	8Kbps ~ 8Mbps	8Kbps ~ 8Mbps	8Kbps ~ 16Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP		
Application Programming Interface	ONVIF(Profile S/G/T)		
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH		
Ingress Protection	IP66		
Input Voltage / Current	D12V/PoE(IEEE802.3af)		
Power Consumption(IR OFF)	2W - 3W		
Power Consumption(IR ON)	4W - 5.5W		
Material	Plastic / Metal	Metal	



Day Night IPC 2/5/8MP AI Lite WDR Fix



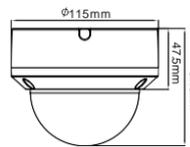
Model	AY-ECO-R156-2M coming soon	AY-ECO-R223-5M	AY-ECO-R301-8M
Imaging Device	1/3"	1/2.7"	
Effective Pixels	2MP 1920(H)x1080(V)	5MP 2880(H)x1620(V)	8MP 3840(H)x2160(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON		
Focal Length (Zoom Ratio)	2.8mm	3.6mm	
Angular Field of View	Horizontal:88.2°, Vertical:48.7°, Diagonal: 104.5°	Horizontal: 91°, Vertical: 46°, Diagonal: 110°	Horizontal: 91°, Vertical: 46°, Diagonal: 109°
Min. Object Distance	0.8m	2m	
Lens Type	Fixed(M12)		
IR Viewable Length	Up to 25m	Up to 30m	
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)		
Wide Dynamic Range	DWDR	WDR	
Digital Noise Reduction	3D DNR		
Motion Detection	Off/On (8 Level)		
White Balance	Auto/Manual		
Electronic Shutter Speed	1/5 - 1/20000s		
On-Board Storage	Micro SD slot, up to 256GB		
Alarm	NA		
Audio	Built-in microphone		
Hardware Reset	Yes		
Smart Feature	SMD	PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD,LPD	PID,LCD,SOD,PD/VD,CC,CD,QD,HM
Ethernet	RJ45(10/100BASE-T)		
Video Compression Format	H.265/H.264		
Max.Resolution	2MP(1920x1080)@30fps	5MP(2880x1620)@30fps	8MP(3840x2160)@20fps
Video Quality Ajustment	8Kbps ~ 8Mbps	8Kbps ~ 8Mbps	8Kbps ~ 16Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP		
Application Programming Interface	ONVIF(Profile S/G/T)		
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH		
Ingress Protection	IP66		
Input Voltage / Current	D12V/PoE(IEEE802.3af)		
Power Consumption(IR OFF)	2W - 3W		
Power Consumption(IR ON)	4W - 5.5W		
Material	Plastic / Metal	Metal	



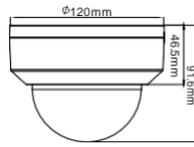
Day Night IPC 5/8MP AI Lite Varifocal



RB



DC



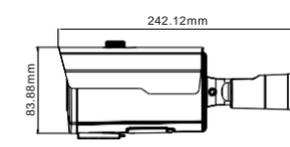
Model	AY-ECO-R180-2M AY-ECO-R179-2M	AY-ECO-R303-8M AY-ECO-R333-8M
Imaging Device	1/2.7"	
Effective Pixels	5MP 2880(H) x 1620(V)	8MP 3840(H) x 2160(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	2.8mm	
Angular Field of View	Horizontal: 110°, Vertical: 58°, Diagonal: 133°	Horizontal: 110°, Vertical: 58°, Diagonal: 132°
Min. Object Distance	1.8m	
Lens Type	Fixed(M12)	
IR Viewable Length	Up to 20m	
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)	
Wide Dynamic Range	WDR	
Digital Noise Reduction	3D DNR	
Motion Detection	Off/On (8 Level)	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	NA	
Audio	Built-in microphone/1 input (RCA), 1 output (RCA)	
Hardware Reset	Yes	
Smart Feature	PID,LCD,SOD,PD/VD,CC,CD,QD,HM,RSD,LPD	PID,LCD,SOD,PD/VD,CC,CD,QD,HM,RSD
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	5MP(2880x1620)@30fps	8MP(3840x2160)@20fps
Video Quality Adjustment	8Kbps ~ 8Mbps	8Kbps ~ 16Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF(Profile S/G/T)	
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Power Consumption(IR OFF)	2W - 3W	
Power Consumption(IR ON)	3.5W - 5W	
Material	Metal / Plastic	



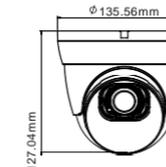
Day Night IPC 5/8MP AI Lite Varifocal Series



ND



MCA



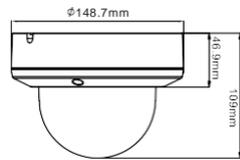
Model	AY-ECO-R229-5M AY-ECO-R255-5M	AY-ECO-R334-8M AY-ECO-R335-8M
Imaging Device	1/2.7"	
Effective Pixels	5MP 2880(H) x 1620(V)	8MP 3840(H) x 2160(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	2.8-12mm	2.7-13.5mm
Angular Field of View	Horizontal: 107-33.6°, Vertical: 54.7-18.9°, Diagonal: 133.7-37.6°	Horizontal: 32 ~ 114°, Vertical: 18 ~ 59°, Diagonal: 36 ~ 140°
Min. Object Distance	0.2M~INF	0.8m(W) ~ 1m(T)
Lens Type	Motorized(Ø14)	
IR Viewable Length	Up to 45m	
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)	
Wide Dynamic Range	WDR	
Digital Noise Reduction	3D DNR	
Motion Detection	Off/On (8 Level)	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	1 input, 1 output	NA
Audio	1 input (RCA), 1 output (RCA)	
Hardware Reset	Yes	
Smart Feature	PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD,LPD	PID,LCD,SOD,PD/VD,CC,CD,QD,HM,RSD
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	5MP(2880x1620)@30fps	8MP(3840x2160)@20fps
Video Quality Adjustment	8Kbps ~ 8Mbps	8Kbps ~ 16Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF(Profile S/G/T)	
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Power Consumption(IR OFF)	3W - 4W	
Power Consumption(IR ON)	5W - 7W	
Material	Metal	



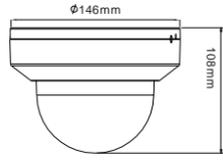
Day Night IPC 5/8MP AI Lite Varifocal Series



FG



DB



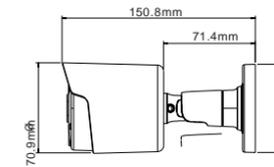
Model	AY-ECO-R235-5M Coming soon AY-ECO-R256-5M	AY-ECO-R336-8M Coming soon AY-ECO-R337-8M
Imaging Device	1/2.7"	
Effective Pixels	5MP 2880(H) x 1620(V)	8MP 3840(H) x 2160(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	2.8-12mm	2.7-13.5mm
Angular Field of View	Horizontal: 107-33.6°, Vertical: 54.7-18.9°, Diagonal: 133.7-37.6°	Horizontal: 32 ~ 114°, Vertical: 18 ~ 59°, Diagonal: 36 ~ 140°
Min. Object Distance	0.2M~INF	0.8m(W) ~ 1m(T)
Lens Type	Motorized(Ø14)	
IR Viewable Length	Up to 30m	
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)	
Wide Dynamic Range	WDR	
Digital Noise Reduction	3D DNR	
Motion Detection	Off/On (8 Level)	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	1 input, 1 output	NA
Audio	1 input (RCA), 1 output (RCA)	
Hardware Reset	Yes	
Smart Feature	PID,LCD,SOD,PD/VD,CC,CD,QD,HM,LPD,RSD	PID,LCD,SOD,PD/VD,CC,CD,QD,HM,RSD
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	5MP(2880x1620)@30fps	8MP(3840x2160)@20fps
Video Quality Ajustment	8Kbps ~ 8Mbps	8Kbps ~ 16Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTp,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF(Profile S/G/T)	
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Power Consumption(IR OFF)	3W - 4W	
Power Consumption(IR ON)	5W - 7W	
Material	Metal / Plastic	



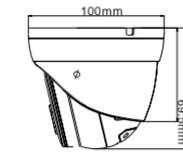
Day Night IPC 2/5MP ECO Fix Series



CK



KGB



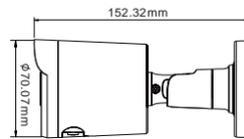
Model	AY-ECO-R104-2M AY-ECO-R106-2M	AY-ECO-R338-8M AY-ECO-R339-8M
Imaging Device	1/2.7"	
Effective Pixels	2MP 1920(H) x 1080(V)	5MP 2592(H) x 1944(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	3.6mm	
Angular Field of View	Horizontal: 86°, Vertical: 47°, Diagonal: 105°	Horizontal: 79°, Vertical: 56°, Diagonal: 106°
Min. Object Distance	2m	
Lens Type	Fixed(M12)	
IR Viewable Length	Up to 30m	
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)	
Wide Dynamic Range	DWDR	
Digital Noise Reduction	3D DNR	
Motion Detection	Off/On (8 Level)	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	NA	
Audio	Built-in microphone	
Hardware Reset	Yes	
Smart Feature	NA	
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	2MP(1920x1080)@30fps	5MP(2592x1944)@20fps
Video Quality Ajustment	128Kbps ~ 4Mbps	8Kbps ~ 8Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTp,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF(Profile S/G/T)	
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Power Consumption(IR OFF)	1.5W - 3W	
Power Consumption(IR ON)	3.5W - 5.5W	
Material	Metal	



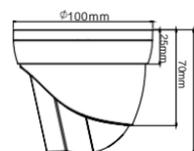
Day Night IPC 4/8MP ECO Fix Series



CU



KMB



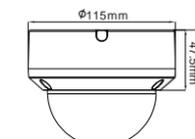
Model	AY-ECO-R257-4M AY-ECO-R258-4M Coming soon	AY-ECO-R338-8M AY-ECO-R339-8M coming soon
Imaging Device	1/3"	1/2.7"
Effective Pixels	4MP 2560(H)x1440 (V)	8MP 3840(H) * 2160(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	3.6mm	
Angular Field of View	Horizontal: 75°, Vertical: 41°, Diagonal: 88°	Horizontal: 86°, Vertical: 46°, Diagonal: 105°
Min. Object Distance	0.8m	2m
Lens Type	Fixed(M12)	
IR Viewable Length	Up to 25m	
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)	
Wide Dynamic Range	DWDR	
Digital Noise Reduction	3D DNR	
Motion Detection	Off/On (8 Level)	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	NA	
Audio	Built-in microphone	
Hardware Reset	Yes	
Smart Feature	SMD	
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	4MP 2560(H)x1440 (V)@30fps	8MP (3840 X 2160)@15-20fps
Video Quality Ajustment	128Kbps ~ 4Mbps	8Kbps ~ 16Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF(Profile S/G/T)	
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Power Consumption(IR OFF)	1.5W - 3W	
Power Consumption(IR ON)	3.5W - 5.5W	
Material	Plastics/Metal	



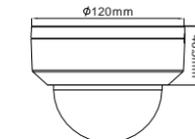
Day Night IPC 2/5MP ECO Fix Series



RB



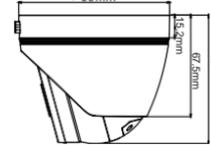
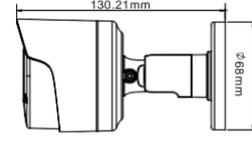
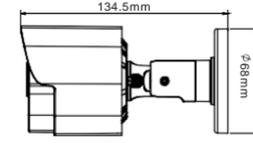
DC



Model	AY-ECO-R108-2M AY-ECO-R107-2M	AY-ECO-R205-5M AY-ECO-R204-5M
Imaging Device	1/2.7"	
Effective Pixels	2MP 1920(H)x1080(V)	5MP 2592(H)x1944(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	2.8mm	
Angular Field of View	Horizontal: 103°,Vertical: 55°, Diagonal: 126°	Horizontal: 97°, Vertical:70°, Diagonal: 128°
Min. Object Distance	0.8m	1.8m
Lens Type	Fixed(M12)	
IR Viewable Length	Up to 20m	
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)	
Wide Dynamic Range	DWDR	
Digital Noise Reduction	3D DNR	
Motion Detection	Off/On (8 Level)	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	NA	
Audio	Built-in microphone/1 input (RCA), 1 output (RCA)	
Hardware Reset	Yes	
Smart Feature	NA	
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	2MP(1920x1080)@30fps	5MP(2592x1944)@20fps
Video Quality Ajustment	128Kbps ~ 4Mbps	8Kbps ~ 8Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF(Profile S/G/T)	
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Power Consumption(IR OFF)	1.5W - 3W	
Power Consumption(IR ON)	3.5W - 5.5W	
Material	Metal / Plastic	



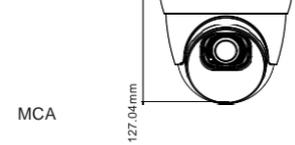
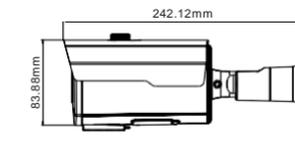
Day Night IPC 2/4MP ECO Fix Series



Model	AY-ECO-R108-2M AY-ECO-R107-2M	AY-ECO-R259-4M	AY-ECO-R260-4M
Imaging Device	1/3"		
Effective Pixels	2MP 1920(H)×1080(V)	4MP 2560(H)×1440 (V)	
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON		
Focal Length (Zoom Ratio)	2.8/3.6mm		
Angular Field of View	Horizontal:76°, Vertical:±42°, Diagonal:±89°	Horizontal: 75°, Vertical:41°, Diagonal: 88°	Horizontal:88°, Vertical:48°, Diagonal:105°
Min. Object Distance	2m/1.8m		
Lens Type	Fixed(M12)		
IR Viewable Length	Up to 30m		
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)		
Wide Dynamic Range	DWDR		
Digital Noise Reduction	3D DNR		
Motion Detection	Off/On (8 Level)		
White Balance	Auto/Manual		
Electronic Shutter Speed	1/5 ~ 1/20000s		
On-Board Storage	Micro SD slot, up to 256GB		
Alarm	NA		
Audio	Built-in microphone		
Hardware Reset	Yes		
Smart Feature	NA	SMD	
Ethernet	RJ45(10/100BASE-T)		
Video Compression Format	H.265/H.264		
Max.Resolution	2MP(1920x1080)@30fps	4MP(2560x1440)@30fps	
Video Quality Ajustment	128Kbps ~ 4Mbps		
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP		
Application Programming Interface	ONVIF(Profile S/G/T)		
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH		
Ingress Protection	IP66		
Input Voltage / Current	D12V/PoE(IEEE802.3af)		
Power Consumption(IR OFF)	1.5W - 3W		
Power Consumption(IR ON)	3.5W - 5.5W		
Material	Plastic		



Day Night IPC 2/5MP ECO Varifocal Series



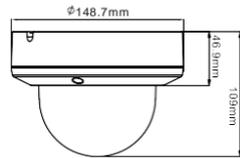
Model	AY-ECO-R112-2M AY-ECO-R116-2M	AY-ECO-R209-5M AY-ECO-R213-5M
Imaging Device	1/2.7"	
Effective Pixels	2MP 1920(H)×1080(V)	5MP 2592(H)×1944(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	2.8-12mm	2.7-13.5mm
Angular Field of View	Horizontal: 106.6°-34.6°, Vertical:54.4°-19.5°, Diagonal: 132.9°-39.8°	Horizontal: 31-102°, Vertical: 23-73°, Diagonal: 38-138°
Min. Object Distance	1.2m(W/T)	0.3m - INF
Lens Type	Motorized(Ø14)	
IR Viewable Length	Up to 45m	
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)	
Wide Dynamic Range	DWDR	
Digital Noise Reduction	3D DNR	
Motion Detection	Off/On (8 Level)	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	1 input, 1 output	
Audio	1 input (RCA), 1 output (RCA)	
Hardware Reset	Yes	
Smart Feature	NA	
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	2MP(1920x1080)@30fps	5MP(2592x1944)@20fps
Video Quality Ajustment	128Kbps ~ 4Mbps	8Kbps ~ 8Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF(Profile S/G/T)	
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Power Consumption(IR OFF)	2.5W - 4W	
Power Consumption(IR ON)	6.5W - 9W	
Material	Metal	



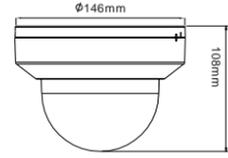
Day Night IPC 2/5MP ECO Varifocal Series



FG



DB



Model	AY-ECO-R120-2M AY-ECO-R124-2M	AY-ECO-R217-5M AY-ECO-R221-5M
Imaging Device	1/2.7"	
Effective Pixels	2MP 1920(H)×1080(V)	5MP 2592(H)×1944(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	2.8-12mm	2.7-13.5mm
Angular Field of View	Horizontal: 106.6°-34.6°, Vertical:54.4°-19.5°, Diagonal: 132.9°-39.8°	Horizontal: 31-102°, Vertical: 23-73°, Diagonal: 38-138°
Min. Object Distance	1.2m(W/T)	0.3m-INF
Lens Type	Motorized(Ø14)	
IR Viewable Length	Up to 30m	
Day & Night	IR cut filter with auto switch(Day/Night/Auto/Image/Schedule)	
Wide Dynamic Range	DWDR	
Digital Noise Reduction	3D DNR	
Motion Detection	Off/On (8 Level)	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	1 input, 1 output	
Audio	1 input (RCA), 1 output (RCA)	
Hardware Reset	Yes	
Smart Feature	NA	
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	2MP(1920x1080)@30fps	5MP(2592x1944)@20fps
Video Quality Ajustment	128Kbps ~ 4Mbps	8Kbps ~ 8Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF(Profile S/G/T)	
Operating Conditions	-30 ~ +55°C/less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Power Consumption(IR OFF)	2.5W - 4W	
Power Consumption(IR ON)	4.5W - 7W	
Material	Metal / Plastic	



Full Color Camera

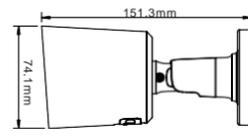




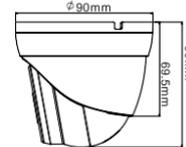
Full color IPC



CR



KRB



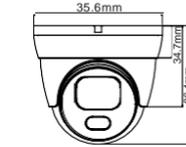
Model	AY-ECO-R403-F2M AY-ECO-R404-F2M	AY-ECO-R403-F2M AY-ECO-R404-F2M	AY-ECO-R608-F8M AY-ECO-R609-F8M	AY-ECO-R606-F8M AY-ECO-R607-F8M
Imaging Device	1/2.8"	1/2.7"	1/2.8"	1/2.7"
Effective Pixels	2MP 1920(H)x1080(V)	5MP 2880(H)x1620(V)	8MP 3840(H)x2160(V)	
Min. Illumination	Color 0.0005 Lux @(F1.0 ,AGC ON); B/W 0 lux @ IR ON			
Focal Length (Zoom Ratio)	3.6mm			
Angular Field of View	Horizontal:85°, Vertical:46°, Diagonal:100°	Horizontal: 88.3°,Vertical: 47.8°,Diagonal:104.7°	Horizontal: 85°, Vertical: 46°, Diagonal: 99.8°	Horizontal:88.01°,Vertical:47.53°,Diagonal:104.24°
Min. Object Distance	1m			
Lens Type	Fixed(M12)			
IR LED	2			
WarmLight	2			
IR Viewable Length	Up to 30m			
WarmLight Viewable Length	Up to 25m			
Wide Dynamic Range	WDR			
Image Setting	Full Color Mode/Day&Night Mode/Schedule			
White Balance	Auto/Manual			
Electronic Shutter Speed	1/5 ~ 1/20000s			
On-Board Storage	Micro SD slot, up to 256GB			
Alarm	NA			
Audio	Built-in microphone			
Hardware Reset	Yes			
Smart Feature	PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD,LPD		PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD	
Ethernet	RJ45(10/100BASE-T)			
Video Compression Format	H.265/H.264			
Max.Resolution	2MP(1920x1080)@60fps	5MP(2592x1944)@30fps	8MP(3840x2160)@30fps	8MP(3840x2160)@25fps
Video Quality Ajustment	128Kbps ~ 8Mbps	8Kbps ~ 8Mbps	8Kbps ~ 16Mbps	
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP			
Application Programming Interface	ONVIF(Profile S/G/T)			
Operating Conditions	-30~ +55°C / less than ≤ 95% RH			
Ingress Protection	IP66			
Input Voltage / Current	D12V/PoE(IEEE802.3af)			
Material	Metal			



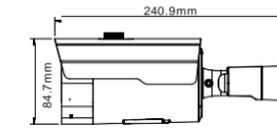
Full color IPC 2/5/8MP AI Varifocal Series



MDA



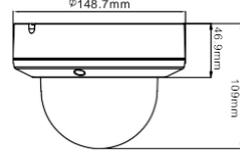
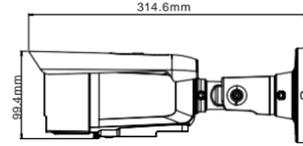
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Model	AY-ECO-R410-F2M AY-ECO-R411-F2M	AY-ECO-R516-F5M AY-ECO-R517-F5M	AY-ECO-R614-F8M AY-ECO-R615-F8M	AY-ECO-R616-F8M AY-ECO-R617-F8M
Imaging Device	1/2.8"	1/2.7"	1/2.8"	1/2.7"
Effective Pixels	2MP 1920(H)x1080(V)	5MP 2880(H)x1620(V)	8MP 3840(H)x2160(V)	
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON); B/W 0 lux @ IR ON			
Focal Length (Zoom Ratio)	2.8-12mm			
Angular Field of View	Horizontal:107.4-34.2°, Vertical:56.2-19.2°, Diagonal:129.8-39.2°	H:112.6(W)-35.4(T)°, V:58.5(W)-20.0(T)°, D:138.0(W)-40.7(T)°	H:107(W)-34(T)°, V:56(W)-19(T)°, D:129(W)-39(T)°	Horizontal:113(W)-35.6(T)°, Vertical:58.8(W)-20.1(T)°, Diagonal:139.2(W)-40.9(T)°
Min. Object Distance	1.5m			
Lens Type	Ø16.7/F1.2			
IR LED	2 - 4			
WarmLight	2 - 4			
IR Viewable Length	Up to 30m-35m			
WarmLight Viewable Length	Up to 25m-30m			
Wide Dynamic Range	WDR			
Image Setting	Full Color Mode/Day&Night Mode/Schedule			
White Balance	Auto/Manual			
Electronic Shutter Speed	1/5 ~ 1/20000s			
On-Board Storage	Micro SD slot, up to 256GB			
Alarm	1 input, 1 output			
Audio	1 input (RCA), 1 output (RCA)			
Hardware Reset	Yes			
Smart Feature	PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD,LPD		PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD	
Ethernet	RJ45(10/100BASE-T)			
Video Compression Format	H.265/H.264			
Max.Resolution	2MP(1920x1080)@60fps	5MP(2592x1944)@30fps	8MP(3840x2160)@30fps	8MP(3840x2160)@25fps
Video Quality Ajustment	128Kbps ~ 8Mbps	8Kbps ~ 8Mbps	8Kbps ~ 16Mbps	
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP			
Application Programming Interface	ONVIF(Profile S/G/T)			
Operating Conditions	-30~ +55°C / less than ≤ 95% RH			
Ingress Protection	IP66			
Input Voltage / Current	D12V/PoE(IEEE802.3af)			
Material	Metal			



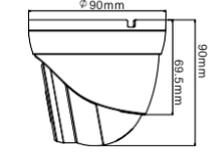
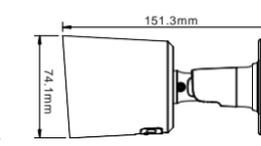
Full color IPC 2/5/8MP AI Varifocal Series



Model	AY-ECO-R412-F2M AY-ECO-R413-F2M	AY-ECO-R518-F5M AY-ECO-R519-F5M	AY-ECO-R618-F8M AY-ECO-R619-F8M	AY-ECO-R620-F8M
Imaging Device	1/2.8"	1/2.7"	1/2.8"	1/2.7"
Effective Pixels	2MP 1920(H)x1080(V)	5MP 2880(H)x1620(V)	8MP 3840(H)x2160(V)	
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON			
Focal Length (Zoom Ratio)	2.8-12mm			
Angular Field of View	Horizontal:107.4-34.2°, Vertical:56.2-19.2°, Diagonal:129.8-39.2°	H:112.6(W)-35.4(T)°, V:58.5(W)-20.0(T)°, D:138.0(W)-40.7(T)°	H:107(W)-34(T)°, V:56(W)-19(T)°, D:129(W)-39(T)°	Horizontal:113(W)-35.6(T)°, Vertical:58.8(W)-20.1(T)°, Diagonal:139.2(W)-40.9(T)°
Min. Object Distance	1.5m			
Lens Type	Ø16.7/F1.2			
IR LED	2 - 4			
WarmLight	2 - 4			
IR Viewable Length	Up to 30m-35m			
WarmLight Viewable Length	Up to 25m-30m			
Wide Dynamic Range	WDR			
Image Setting	Full Color Mode/Day&Night Mode/Schedule			
White Balance	Auto/Manual			
Electronic Shutter Speed	1/5 ~ 1/20000s			
On-Board Storage	Micro SD slot, up to 256GB			
Alarm	1 input, 1 output			
Audio	1 input (RCA), 1 output (RCA)			
Hardware Reset	Yes			
Smart Feature	PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD,LPD			PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD
Ethernet	RJ45(10/100BASE-T)			
Video Compression Format	H.265/H.264			
Max.Resolution	2MP(1920x1080)@60fps	5MP(2592x1944)@30fps	8MP(3840x2160)@30fps	8MP(3840x2160)@25fps
Video Quality Adjustment	128Kbps ~ 8Mbps	8Kbps ~ 8Mbps	8Kbps ~ 16Mbps	
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP			
Application Programming Interface	ONVIF(Profile S/G/T)			
Operating Conditions	-30~+55°C / less than ≤ 95% RH			
Ingress Protection	IP66			
Input Voltage / Current	D12V/PoE(IEEE802.3af)			
Material	Metal			



Full color IPC 5/8MP Value AI WDR Fix Series



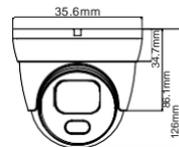
Model	AY-ECO-R500-F5M AY-ECO-R501-F5M	AY-ECO-R600-F8M AY-ECO-R607-F8M
Imaging Device	1/2.7"	
Effective Pixels	5MP 2880(H)x1620(V)	8MP 3840(H)x2160(V)
Min. Illumination	Color 0.0005 Lux @(F1.0 ,AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	3.6mm	
Angular Field of View	Horizontal: 88.3°, Vertical: 47.8°, Diagonal: 104.7°	Horizontal: 88.01°, Vertical: 47.53°, Diagonal:104.24°
Min. Object Distance	1m	
Lens Type	Fixed(M12)	
IR LED	2	
WarmLight	2	
IR Viewable Length	Up to 30m	
WarmLight Viewable Length	Up to 25m	
Wide Dynamic Range	WDR	
Image Setting	Full Color Mode/Day&Night Mode/Schedule	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	NA	
Audio	Built-in microphone	
Hardware Reset	Yes	
Smart Feature	PID,LCD,PD/VD,SOD,CC,CD,QD,HM	
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	5MP(2592x1944)@30fps	8MP(3840x2160)@20fps
Video Quality Adjustment	8Kbps ~ 8Mbps	8Kbps ~ 16Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF(Profile S/G/T)	
Operating Conditions	-30~+55°C / less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Material	Metal	



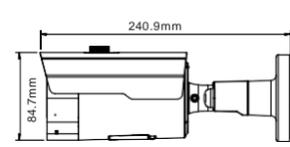
Full color IPC 5/8MP Value AI Varifocal Series



MDA



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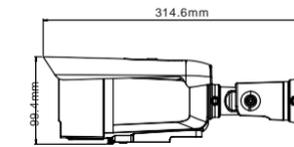
Model	AY-ECO-R520-F5M AY-ECO-R521-F5M	AY-ECO-R621-F8M AY-ECO-R622-F8M
Imaging Device	1/2.7"	
Effective Pixels	5MP 2880(H) x 1620(V)	8MP 3840(H) x 2160(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	2.8-12mm	
Angular Field of View	Horizontal :112.6-35.4°,Vertical:58.5-20.0°,Diagonal:138.0-40.7°	Horizontal:113-35.6°, Vertical:58.8-20.1°, Diagonal:139.2-40.9°
Min. Object Distance	1.5m	
Lens Type	Ø16.7/F1.2	
IR LED	2 - 4	
WarmLight	2 - 4	
IR Viewable Length	Up to 30m-35m	
WarmLight Viewable Length	Up to 25m-30m	
Wide Dynamic Range	WDR	
Image Setting	Full Color Mode/Day&Night Mode/Schedule	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	1 input, 1 output	NA
Audio	1 input (RCA), 1 output (RCA)	
Hardware Reset	Yes	
Smart Feature	PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD,LPD	PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	5MP(2592x1944)@30fps	8MP(3840x2160)@20fps
Video Quality Ajustment	128Kbps ~ 8Mbps	8Kbps ~ 16Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF(Profile S/G/T)	
Operating Conditions	-30~+55°C / less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Material	Metal	



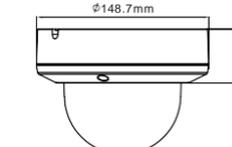
Full color IPC 5/8MP Value AI Varifocal Series



TA



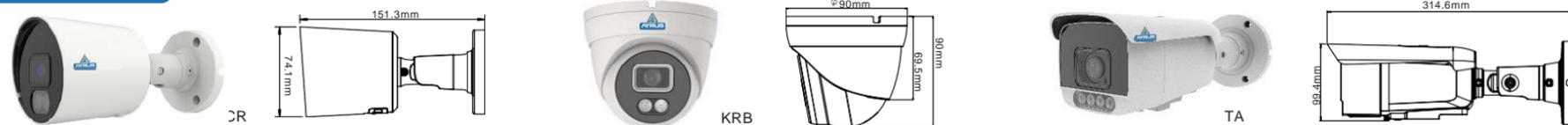
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Model	AY-ECO-R522-F5M AY-ECO-R523-F5M	AY-ECO-R623-F8M AY-ECO-R624-F8M
Imaging Device	1/2.7"	
Effective Pixels	5MP 2880(H) x 1620(V)	8MP 3840(H) x 2160(V)
Min. Illumination	Color 0.002Lux @(F1.2,AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	2.8-12mm	
Angular Field of View	Horizontal :112.6-35.4°,Vertical:58.5-20.0°,Diagonal:138.0-40.7°	Horizontal:113-35.6°, Vertical:58.8-20.1°, Diagonal:139.2-40.9°
Min. Object Distance	1.5m	
Lens Type	Ø16.7/F1.2	
IR LED	2 - 4	
WarmLight	2 - 4	
IR Viewable Length	Up to 30m-35m	
WarmLight Viewable Length	Up to 25m-30m	
Wide Dynamic Range	WDR	
Image Setting	Full Color Mode/Day&Night Mode/Schedule	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	1 input, 1 output	NA
Audio	1 input (RCA), 1 output (RCA)	
Hardware Reset	Yes	
Smart Feature	PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD,LPD	PID,LCD,SOD,PD/VD,FD,CC,CD,QD,HM,RSD
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	5MP(2592x1944)@30fps	8MP(3840x2160)@20fps
Video Quality Ajustment	128Kbps ~ 8Mbps	8Kbps ~ 16Mbps
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF(Profile S/G/T)	
Operating Conditions	-30~+55°C / less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Material	Metal	



Full color IPC 2MP ECO Fix Series



Model	AY-ECO-R400-F2M AY-ECO-R401-F2M	AY-ECO-R409-F2M
Imaging Device	1/2.7"	
Effective Pixels	2MP 1920(H)×1080(V)	8MP 3840(H)×2160(V)
Min. Illumination	Color 0.0005 Lux @(F1.0, AGC ON) ; B/W 0 lux @ IR ON	
Focal Length (Zoom Ratio)	3.6mm	
Angular Field of View	Horizontal:88.88° , Vertical:48.25° , Diagonal:105.59°	
Min. Object Distance	1m	
Lens Type	Fixed(M12)	
IR LED	2	4
WarmLight	2	4
IR Viewable Length	Up to 30m	Up to 35m
WarmLight Viewable Length	Up to 25m	Up to 30m
Wide Dynamic Range	DWDR	
Image Setting	Full Color Mode/Day&Night Mode/Schedule	
White Balance	Auto/Manual	
Electronic Shutter Speed	1/5 ~ 1/20000s	
On-Board Storage	Micro SD slot, up to 256GB	
Alarm	NA	
Audio	Built-in microphone	
Hardware Reset	Yes	
Smart Feature	NA	
Ethernet	RJ45(10/100BASE-T)	
Video Compression Format	H.265/H.264	
Max.Resolution	2MP(1920x1080)@30fps	
Video Quality Ajustment	128Kbps ~ 4Mbps	
Protocol	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP	
Application Programming Interface	ONVIF	
Operating Conditions	-30~+55°C / less than ≤ 95% RH	
Ingress Protection	IP66	
Input Voltage / Current	D12V/PoE(IEEE802.3af)	
Material	Metal	

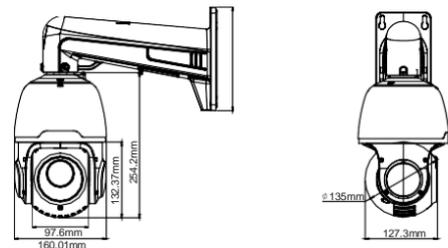


PTZ





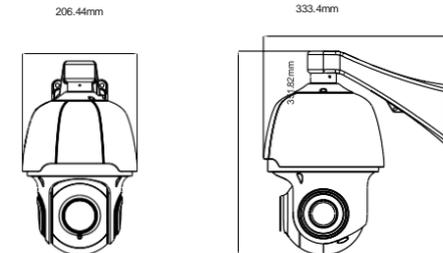
PTZ 5" Network 2MP PTZ



Model	AY-ECO-R18X-806	AY-ECO-R25X-807
Image Sensor	1/2.7", 2MP	
Effective Pixels	1920 * 1080	
Focal Length	F1.78 - F2.86, 5.0 ~ 90mm, 18 x Optical	F1.5-F3.8, 5.0mm -125mm, 25 x Optical
Angle of View	53.3 ~ 3.8 degree(Wide~Tele)	56.9 ~ 2.9 degree(Wide~Tele)
Minimum Illumination	Color \geq 0.05Lux @ (F1.78, AGC ON) ; B&W \geq 0.005Lux @ (F1.78, AGC ON) 0 Lux with IR	
White Balance	Auto/ Manual/ Indoor	
WDR	120DB	
Shutter Time	1/5 - 1/20000	
Day& Night	Auto Switch	
Compression	H.264/H.265	
Video Output	1 Output : CVBS(BNC Type)	
Audio Input/Output	1 Line-In/1 Line-Out	
Input/Output	1 Input/1 Output	
Ethernet	10/100Mbps ethernet interface	
Rs485 interface	Control by Joystick controller(Only used PTZ function)	
Storage	Built-in memory card slot	
IR Leds	6 Pcs	
IR Distance	Max. 100 Meters	
Pan Range	0°~ 360°, endless	
Pan Speed	Configurable, from 0.6°~80°/s	
Tilt Range	-10°~ 95°	
Tilt Speed	Configurable, from 0.6°~80°/s	
Preset	255	
Preset Speed	Max. 120°/sec	
Tour	Support	
Pattern	4 Patterns	
Scan	1 Scans	
Water Proof	IP66	
Working Temperature/Humidity	-20 ~ +60°C, < 90%(outdoor)	
Power Supply	DC 12V/PoE+	



PTZ 7" Network 2MP PTZ



Model	AY-R25X-809
Image Sensor	1/2.7" Progressive Scan CMOS
Effective Pixels	1920 * 1080
Focal Length	F1.5 ~ F3.8 , 5.0mm -125mm, 25X Optical Zoom
Angle of View	56.9~ 2.9 degree (Wide~Tele)
Minimum Illumination	AGC On: Color: 0.5 lux, B/W: 0.05 lux, 0 lux with IR
White Balance	Auto/ Manual/ Indoor
WDR	120DB
Shutter Time	1/5 - 1/20000
Day& Night	IR cut filter with auto switch
Compression	Main Stream : H.264/H.265
Video Output	1 Output : CVBS(BNC Type)
Resolution	30fps@1920*1080 ~ 30fps@320*240
Audio Input/Output	1 Line-In/1 Line-Out
Input/Output	1 Input/1 Output
Ethernet	10/100Mbps ethernet interface
Protocols	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP,PPPoE,SMTP,NTP,UPnP,SNMP,HTTPS,FTP
Rs485 Interface	Control by Joystick controller(Only used PTZ function)
IR irradiation distance	150M
IR Diming function	Adjustable by zoom
Pan Range	360°endless
Tilt Range	-10°~90° (Auto Flip)
Pan Speed / Tilt Speed	0.6°~200°/s, Speed available / 0.6°~100°/s, Speed available
Preset	255
Preset Speed	Max.200°/sec
Tour	4 Tours/8 preset each
Pattern	4 Patterns
Scan	1 Scans
Water Proof	IP66
Working Temperature/Humidity	-30 ~ +60°C, < 90%(outdoor)
Power Supply	AC 24V/DC 12V/PoE

HD Camera



HD Camera 2/5/8MP AOC Fix Series



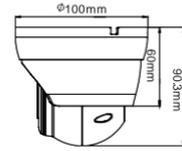
Model	AY-ECO-RA1012M AY-ECO-RA1032M AY-ECO-RA1022M	A-ECO-RA1115M AY-ECO-RA1135M AY-ECO-RA1125M	AY-ECO-RA1218M AY-ECO-RA1238M AY-ECO-RA1228M
Imaging Device	1/3" Progressive CMOS		1/2.7" Progressive CMOS
Scanning System	Progressive		Internal
Min. Illumination	0.05lux@F1.2(AGC ON),0Lux with IR ON		
Video Output	BNC		
Resolution	2MP 1920(H) × 1080(V)		8MP 3840(H) × 2160(V)
Max. Framerate	AHD/TVI/CVI: P@25fps, N@30fps, CVBS: 960H		5AHD/5TVI: 5MP@20fps, 4AHD/4CVI/4TVI: P@25fps, N@30fps, CVBS: 960H
Max. Aperture Ratio	F1.6/F2.2		
Lens Type/ Focal Length	Fixed lens /2.8mm/3.6mm		
Audio	Audio over coaxial		
Audio Range	7m		
IR Distance	20m		
On Screen Display	English		
Day & Night	Ext / Color / B/W		
Backlight Compensation	Off / User BLC		GLOBAL / BLC
Wide Dynamic Range	D-WDR (Off/On)		N/A
Digital Noise Reduction	2D DNR		
Gain Control	Auto		HIGH
White Balance	ATW		
Electronic Shutter Speed	Auto		
Reverse	Mirror		
Video Transmission Distance	MAX 300M (Cable : 5C 2V)		
Operating Temperature / Humidity	-30°C ~ 55°C / 90%		
Ingress Protection	IP66		
Input Voltage/Current	12V DC		
Power Consumption	IR OFF ≤ 0.8W, IR ON ≤ 4W		
Material	Metal/Plastic		



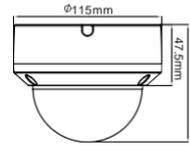
HD Camera 2/5/8MP AOC Fix Series



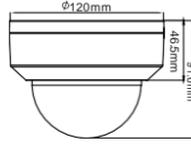
KA



RB



DC



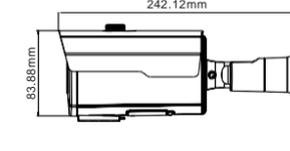
Model	AY-ECO-RA1042M AY-ECO-RA1072M AY-ECO-RA1082M	AY-ECO-RA1145M AY-ECO-RA1175M AY-ECO-RA1185M	AY-ECO-RA1248M AY-ECO-RA1278M AY-ECO-RA1288M
Imaging Device	1/3" Progressive CMOS		1/2.7" Progressive CMOS
Scanning System	Progressive		Internal
Min. Illumination	0.05lux@F1.2(AGC ON),0Lux with IR ON		
Video Output	BNC		
Resolution	2MP 1920(H) × 1080(V)	5MP 2592(H) × 1944(V)	8MP 3840(H) × 2160(V)
Max. Framerate	AHD/TVI/CVI: P@25fps, N@30fps, CVBS: 960H	5AHD/5TVI: 5MP@20fps, 4AHD/4CVI/4TVI: P@25fps, N@30fps, CVBS: 960H	AHD/TVI/CVI: 8MP@15fps, TVI/CVI: 8MP@12.5fps, CVBS: 960H
Max. Aperture Ratio	F1.6/F2.2		
Lens Type/ Focal Length	Fixed lens /2.8mm		
Audio	Audio over coaxial/NA		
Audio Range	7m/NA		
IR Distance	20m		
On Screen Display	English		
Day & Night	Ext / Color / B/W		
Backlight Compensation	Off / User BLC	GLOBAL / BLC	
Wide Dynamic Range	D-WDR (Off/On)	N/A	
Digital Noise Reduction	2D DNR		
Gain Control	Auto	HIGH	
White Balance	ATW		
Electronic Shutter Speed	Auto		
Reverse	Mirror		
Video Transmission Distance	MAX 300M (Cable : 5C 2V)		
Operating Temperature / Humidity	-30°C ~ 55°C / 90%		
Ingress Protection	IP66		
Input Voltage/Current	12V DC		
Power Consumption	IR OFF ≤ 1W, IR ON ≤ 4W		
Material	Metal/Plastic		



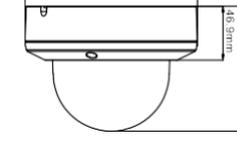
HD Camera 2/5/8MP AOC Varifocal Series



ND



FG



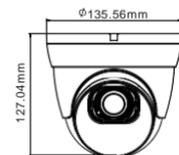
Model	AY-ECO-RA1052M AY-ECO-RA1092M	AY-ECO-RA1155M AY-ECO-RA1195M	AY-ECO-RA1258M AY-ECO-RA1298M
Imaging Device	1/3" Progressive CMOS		1/2.7" Progressive CMOS
Scanning System	Progressive		Internal
Min. Illumination	0.05lux@F1.2(AGC ON),0Lux with IR ON		
Video Output	BNC		
Resolution	2MP 1920(H) × 1080(V)	5MP 2592(H) × 1944(V)	8MP 3840(H) × 2160(V)
Max. Framerate	AHD/TVI/CVI: P@25fps, N@30fps, CVBS: 960H	5AHD/5TVI: 5MP@20fps, 4AHD/4CVI/4TVI: P@25fps, N@30fps, CVBS: 960H	AHD/TVI/CVI: 8MP@15fps, TVI/CVI: 8MP@12.5fps, CVBS: 960H
Max. Aperture Ratio	F1.8-3.3		
Lens Type/ Focal Length	Motorized lens / 2.8-12mm		
Audio	Audio over coaxial/NA		
Audio Range	7m/NA		
IR Distance	35m		
On Screen Display	English		
Day & Night	Ext / Color / B/W		
Backlight Compensation	Off / User BLC		
Wide Dynamic Range	D-WDR (Off/On)	N/A	
Digital Noise Reduction	2D DNR		
Gain Control	Auto	HIGH	
White Balance	ATW		
Electronic Shutter Speed	Auto		
Reverse	Mirror		
Video Transmission Distance	MAX 300M (Cable : 5C 2V)		
Operating Temperature / Humidity	-30°C ~ 55°C / 90%		
Ingress Protection	IP66		
Input Voltage/Current	12V DC		
Power Consumption	IR OFF ≤ 1W, IR ON ≤ 4W		
Material	Metal		



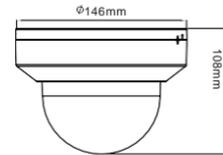
HD Camera 2/5/8MP AOC Varifocal Series



MCA



DB



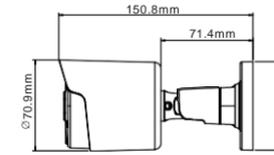
Model	AY-ECO-RA1062M AY-ECO-RA1102M	AY-ECO-RA1165M AY-ECO-RA1205M	AY-ECO-RA1268M AY-ECO-RA1308M
Imaging Device	1/3" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Scanning System	Progressive	Internal	Progressive
Min. Illumination	0.05lux@F1.2(AGC ON),0Lux with IR ON		
Video Output	BNC		
Resolution	2MP 1920(H)×1080(V)	5MP 2592(H)×1944(V)	8MP 3840(H)×2160(V)
Max. Framerate	AHD/TVI/CVI: P@25fps, N@30fps, CVBS: 960H	5AHD/5TVI: 5MP@20fps, 4AHD/4CVI/4TVI: P@25fps, N@30fps, CVBS: 960H	AHD/TVI/CVI: 8MP@15fps, TVI/CVI=8MP@12.5fps, CVBS: 960H
Max. Aperture Ratio	F1.8-3.3		
Lens Type/ Focal Length	Motorized lens / 2.8-12mm		
Audio	NA		
Audio Range	NA		
IR Distance	35m		
On Screen Display	English		
Day & Night	Ext / Color / B/W		
Backlight Compensation	Off / User BLC		
Wide Dynamic Range	D-WDR (Off/On)	N/A	
Digital Noise Reduction	2D DNR		
Gain Control	Auto	HIGH	
White Balance	ATW		
Electronic Shutter Speed	Auto		
Reverse	Mirror		
Video Transmission Distance	MAX 300M (Cable : 5C 2V)		
Operating Temperature / Humidity	-30°C ~ 55°C / 90%		
Ingress Protection	IP66		
Input Voltage/Current	12V DC		
Power Consumption	IR OFF ≤ 1W, IR ON ≤ 4W		
Material	Metal		



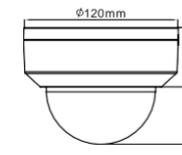
HD Camera 2/5/8MP WDR Fix Series



CK



DC



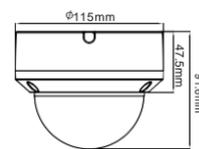
Model	AY-ECO-RA1312M AY-ECO-RA1322M coming soon	AY-ECO-RA1335M AY-ECO-RA1345M coming soon	AY-ECO-RA1358M AY-ECO-RA1368M coming soon
Imaging Device	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS
Scanning System	Progressive	Internal	
Min. Illumination	0.05lux@F1.2(AGC ON),0Lux with IR ON		
Video Output	BNC		
Resolution	2MP 1920(H)×1080(V)	5MP 2592(H)×1944(V)	8MP 3840(H)×2160(V)
Max. Framerate	AHD/TVI/CVI: P@25fps, N@30fps, CVBS: 960H	5AHD/5TVI: 5MP@20fps, 4AHD/4CVI/4TVI: P@25fps, 4MP/N@30fps, CVBS: 960H	AHD/TVI/CVI: 8MP@15fps, TVI/CVI=8MP@12.5fps, CVBS: 960H
Max. Aperture Ratio	F1.6/F2.2		
Lens Type/ Focal Length	Fixed Lens/2.8mm/3.6mm		
Audio	N/A		
Audio Range	N/A		
IR Distance	20m - 30m		
On Screen Display	English		
Day & Night	Ext / Color / B/W		
Backlight Compensation	Off / User BLC		
Wide Dynamic Range	WDR (Off/On)		
Digital Noise Reduction	3D DNR		
Gain Control	Auto		
White Balance	ATW		
Electronic Shutter Speed	Auto		
Reverse	Mirror		
Video Transmission Distance	MAX 300M (Cable : 5C 2V)		
Operating Temperature / Humidity	-30°C ~ 55°C / 90%		
Ingress Protection	IP66		
Input Voltage/Current	12V DC		
Power Consumption	IR OFF ≤ 2W, IR ON ≤ 4W		
Material	Metal/Plastic		



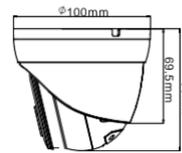
HD Camera 2/5/8MP WDR Fix Series



RB



KGB



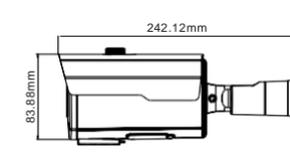
Model	AY-ECO-RA155W2MP AY-ECO-RA156W2MP coming soon	AY-ECO-RA157W5MP AY-ECO-RA158W5MP coming soon	AY-ECO-RA159W8MP AY-ECO-RA160W8MP
Imaging Device	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS
Scanning System	Progressive	Internal	
Min. Illumination	0.05lux@F1.2(AGC ON),0Lux with IR ON		
Video Output	BNC		
Resolution	2MP 192(H)×108(V)	5MP 259(H)×194(V)	8MP 384(H)×216(V)
Max. Framerate	AHD/TVI/CVI: P/@25fps, N/@30fps, CVBS: 960H	5AHD/5TVI: 5MP@20fps, 4AHD/4CVI/4TVI: P@25fps, 4MP/N@30fps, CVBS: 960H	AHD/TVI/CVI: 8MP@15fps, TVI/CVI=8MP@12.5fps, CVBS: 960H
Max. Aperture Ratio	F1.6/F2.2		
Lens Type/ Focal Length	Fixed lens/2.8mm/3.6mm		
Audio	N/A		
Audio Range	N/A		
IR Distance	20m - 30m		
On Screen Display	English		
Day & Night	Ext / Color / B/W		
Backlight Compensation	Off / User BLC		
Wide Dynamic Range	WDR (Off/On)		
Digital Noise Reduction	3D DNR		
Gain Control	Auto		
White Balance	ATW		
Electronic Shutter Speed	Auto		
Reverse	Mirror		
Video Transmission Distance	MAX 300M (Cable : 5C 2V)		
Operating Temperature / Humidity	-30°C ~ 55°C / 90%		
Ingress Protection	IP66		
Input Voltage/Current	12V DC		
Power Consumption	IR OFF ≤ 2W, IR ON ≤ 4W		
Material	Metal		



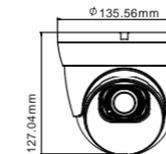
HD Camera 2/5/8MP WDR Varifocal Series



ND



MCA



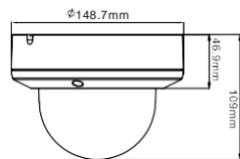
Model	AY-ECO-RA135W2MP AY-ECO-RA136W2MP	AY-ECO-RA143W5MP AY-ECO-RA144W5MP	AY-ECO-RA151W8MP AY-ECO-RA152W8MP
Imaging Device	1/2.8" Progressive CMOS		1/2.7" Progressive CMOS
Scanning System	Progressive	Internal	
Min. Illumination	0.05lux@F1.2(AGC ON),0Lux with IR ON		
Video Output	BNC		
Resolution	2MP 192(H)×108(V)	5MP 259(H)×194(V)	8MP 384(H)×216(V)
Max. Framerate	AHD/TVI/CVI: P/@25fps, N/@30fps, CVBS: 960H	5AHD/5TVI: 5MP@20fps, 4AHD/4CVI/4TVI: P@25fps, 4MP/N@30fps, CVBS: 960H	AHD/TVI/CVI: 8MP@15fps, TVI/CVI=8MP@12.5fps, CVBS: 960H
Max. Aperture Ratio	F1.8-3.3		
Lens Type/ Focal Length	Motorized lens / 2.8-12mm	Motorized lens/2.7-13.5mm	
Audio	N/A		
Audio Range	N/A		
IR Distance	35m		
On Screen Display	English		
Day & Night	Ext / Color / B/W		
Backlight Compensation	Off / User BLC		
Wide Dynamic Range	WDR (Off/On)		
Digital Noise Reduction	3D DNR		
Gain Control	Auto		
White Balance	ATW		
Electronic Shutter Speed	Auto		
Reverse	Mirror		
Video Transmission Distance	MAX 300M (Cable : 5C 2V)		
Operating Temperature / Humidity	-30°C ~ 55°C / 90%		
Ingress Protection	IP66		
Input Voltage/Current	12V DC		
Power Consumption	IR OFF ≤ 2W, IR ON ≤ 6.5W		
Material	Metal		



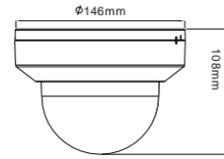
HD Camera 2/5/8MP WDR Varifocal Series



FG



DB



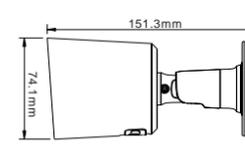
Model	AY-ECO-RA138W2MP AY-ECO-RA161W2MP	AY-ECO-RA146W5MP AY-ECO-RA162W5MP	AY-ECO-RA153W8MP AY-ECO-RA163W8MP
Imaging Device	1/2.8" Progressive CMOS		1/2.7" Progressive CMOS
Scanning System	Progressive		Internal
Min. Illumination	0.05lux@F1.2(AGC ON),0Lux with IR ON		
Video Output	BNC		
Resolution	2MP 1920(H)× 1080(V)	5MP 2592(H)× 1944(V)	8MP 3840(H)× 2160(V)
Max. Framerate	AHD/TVI/CVI: P@25fps, N@30fps, CVBS: 960H	5AHD/5TVI: 5MP@20fps, 4AHD/4CVI/4TVI: P@25fps, 4MP/N@30fps, CVBS: 960H	AHD/TVI/CVI: 8MP@15fps, TVI/CVI=8MP@12.5fps, CVBS: 960H
Max. Aperture Ratio	F1.8-3.3		
Lens Type/ Focal Length	Motorized lens / 2.8-12mm		Motorized lens/2.7-13.5mm
Audio	N/A		
Audio Range	N/A		
IR Distance	30-35m		
On Screen Display	English		
Day & Night	Ext / Color / B/W		
Backlight Compensation	Off / User BLC		
Wide Dynamic Range	WDR (Off/On)		
Digital Noise Reduction	3D DNR		
Gain Control	Auto		
White Balance	ATW		
Electronic Shutter Speed	Auto		
Reverse	Mirror		
Video Transmission Distance	MAX 300M (Cable : 5C 2V)		
Operating Temperature / Humidity	-30°C ~ 55°C / 90%		
Ingress Protection	IP66		
Input Voltage/Current	12V DC		
Power Consumption	IR OFF ≤ 2W, IR ON ≤ 6.5W		
Material	Metal/Plastic		



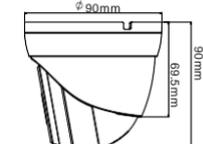
HD Camera 2/5/8MP Full Color Series



CR



KRB



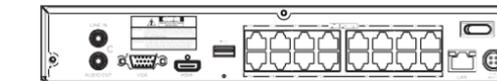
Model	AY-ECO-RA155F2MP AY-ECO-RA156F2MP	AY-ECO-RA157F5MP AY-ECO-RA158F5MP	AY-ECO-RA159F8MP AY-ECO-RA160F8MP
Imaging Device	1/3" Progressive CMOS		1/2.7" Progressive CMOS
Scanning System	Progressive		
Min. Illumination	0.05lux@F1.2(AGC ON),0Lux with IR ON		
Video Output	BNC		
Resolution	2MP 1920(H)× 1080(V)	5MP 2592(H)× 1944(V)	8MP 3840(H)× 2160(V)
Max. Framerate	AHD/TVI/CVI: P@25fps, N@30fps, CVBS: 960H	5AHD/5TVI: 5MP@20fps, 4AHD/4CVI/4TVI: P@25fps, N@30fps, CVBS: 960H	AHD/TVI/CVI: 8MP@15fps, TVI/CVI=8MP@12.5fps, CVBS: 960H
Max. Aperture Ratio	F1.0		
Lens Type/ Focal Length	Motorized lens / 2.8mm / 3.6mm		
Audio	Audio over coaxial		
Audio Range	7m		
IR Distance/ Warm Light Viewable Length	20-30m		
On Screen Display	English		
Day & Night	Color / Ext / B/W		
Backlight Compensation	Off / User BLC		
Wide Dynamic Range	D-WDR (Off/On)		
Digital Noise Reduction	2D DNR		
Gain Control	Auto		
White Balance	ATW		
Electronic Shutter Speed	Auto		
Reverse	Mirror		
Video Transmission Distance	MAX 300M (Cable : 5C 2V)		
Operating Temperature / Humidity	-30°C ~ 55°C / 90%		
Ingress Protection	IP66		
Input Voltage/Current	12V DC		
Power Consumption	IR OFF ≤ 0.5W, IR ON ≤ 3.5W		
Material	Metal		



NVR/XVR



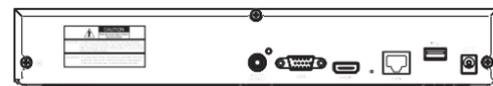
NVR Value 4K PoE Series



Model	AY-ECO-R4CH-106PF- AY-ECO-R4CH-105-PF	AY-ECO-R8CH-108-PF AY-ECO-R8CH-107PF-	AY-ECO-R16CH-112-PF AY-ECO-R16CH-113-PF
Resolution	8MP, 5MP, 3MP, 2MP(1080P),1.3MP(960P),1.0MP(720P)		
Recording Bandwidth Inputs	50Mbps	128Mbps	112Mbps
Recording Bandwidth Out	64Mbps	128Mbps	96Mbps
Compression	Audio: G.711a ; Video: H.264/H.265		
Frame Rate	4K: 45fps; 4MP: 90fps; 2MP:180fps		
AI	yes		
Event	MD(Sensitivity Level 1-8) Videlo loss Beep, Email, Push notification to Mobile APP		
Playback Function	Fast forward / backward (2x, 4x, 8x,16x); Slow forward (1/2x, 1/4x, 1/8x, 1/16x)		
Playback	Max 4CH playback	Max 8CH playback	Max 16CH playback
Fisheye	Use WEB CMS,device does not support		
P/W Reset	Factory Reset : Press 10 seconds		
VGA	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)		
HDMI	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 , 2560*1440, 3840*2160/EDID)		
PoE	4PoE	8PoE	16PoE
Ethernet	1 RJ45 10/100 Base-T	1 RJ45 100/1000 Base-T	1 RJ45 100/1000 Base-T
USB	USB2.0*1(front);USB2.0*1+(rear)		
Audio Out	1		
E-sata	1 optional, not supported by default		
HDD	1 SATA HDD,up to 10TB((Design reserved 2HDD or 1HDD+1ESATA))		
Line In	1 optional, not supported by default		1
RS485	1 optional, not supported by default		
Alarm Input/Out	4 in /1 out optional, not supported by default	8 in /1 out optional, not supported by default	
Dimension (WxDxH)	300X227X53mm		300X302X54mm
Input Voltage/Current	1HDD: DC48V/1.2A; 2HDD: DC48V/2A; PoE Swith: 48V	1HDD: DC48V/1.5A; 2HDD: DC48V/2A; PoE Swith: 48V	
Power Consumption(excluding hard disk)	4W	5W	8W
Operating Temperature/Humidity	Temperature: 0°C~+40°C (32°F ~ 104°F) ;Humidity: Less than 90%RH		



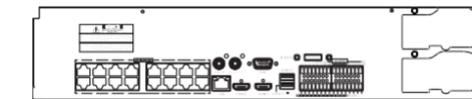
NVR Value 4K Non-PoE Series



Model	AY-ECO-R4CH-122F	AY-ECO-R8CH-123F	AY-R16CH-111-F
Resolution	8MP, 5MP, 3MP, 2MP(1080P),1.3MP(960P),1.0MP(720P)		
Recording Bandwidth Inputs	50Mbps	128Mbps	112Mbps
Recording Bandwidth Out	64Mbps	128Mbps	96Mbps
Compression	Audio: G.711a ; Video: H.264/H.265		
Frame Rate	4K:45fps; 4MP:90fps; 2MP:180fps		
AI	yes		
Event	MD(Sensitivity Level 1~8) Videlo loss Beep, Email, Push notification to Mobile APP		
Playback Function	Fast forward / backward (2x, 4x, 8x,16x); Slow forward (1/2x, 1/4x, 1/8x, 1/16x)		
Playback	Max 4CH playback	Max 8CH playback	Max 16CH playback
Fisheye	Use WEB CMS,device does not support		
P/W Reset	Factory Reset : Press 10 seconds		
VGA	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)		
HDMI	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 , 2560*1440, 3840*2160/EDID)		
PoE	N/A		
Ethernet	1 RJ45 100/1000 Base-T		
USB	USB2.0*1(front); USB2.0*1+(rear)		
Audio out	1		
E-sata	1 optional, not supported by default		
HDD	1 SATA HDD, up to 8TB (Design reserved 2HDD or 1HDD+1ESATA)		
Line in	1 optional, not supported by default		1
RS485	1 optional, not supported by default		
Alarm Input/out	4 in /1 out optional, not supported by default	8 in /1 out optional, not supported by default	
Dimension (WxDxH)	300X227X53mm		
Input Voltage/Current	DC12V/2A		
Power consumption(excluding hard disk)	3W		
Operating Temperature/Humidity	Temperature: 0°C~+40°C (32°F ~ 104°F) ;Humidity: Less than 90%RH		



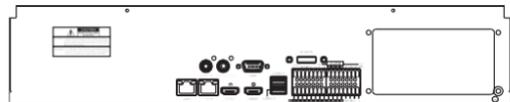
NVR Value 4K PoE Series



Model	AY-ECO-R16CH124F	AY-ECO-R32CH125F
Resolution	8MP, 5MP, 3MP, 2MP(1080P),1.3MP(960P),1.0MP(720P)	
Recording Bandwidth Inputs	256M	
Recording Bandwidth Out	128M	
Compression	Audio: G.711a ; Video: H.264/H.265	
Frame Rate	4K: 60fps; 4MP: 120fps; 2MP: 240fps	
AI	yes	
Event	MD(Sensitivity Level 1~8) Videlo loss Beep, Email, Push notification to Mobile APP	
Playback Function	Fast forward / backward (2x, 4x, 8x,16x); Slow forward (1/2x, 1/4x, 1/8x, 1/16x)	
Playback	Max 16CH playback	
Fisheye	Use WEB CMS,device does not support	
P/W Reset	Factory Reset : Press 10 seconds	
VGA	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)	
HDMI 1	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 , 2560*1440, 3840*2160/EDID)	
HDMI 2	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)	
PoE	16*RJ45, 802.3at/af	
Ethernet	2 RJ45 100/1000 Base-T	
USB	USB2.0*1(front);USB3.0*1+USB2.0*1(rear)	
Audio Out	1	
E-sata	1	
HDD	2HDD+1ESATA	8HDD+1ESATA
Line In	1	
RS485	1	
Alarm Input/Out	16 in /1 out	16 in /4 out
Dimension (WxDxH)	380*340*50mm	440*460*149mm
Input Voltage/Current	250W	
Power Consumption(excluding hard disk)	≤20W	
Operating Temperature/Humidity	Temperature: 0°C~+40°C (32°F ~ 104°F) ;Humidity: Less than 90%RH	



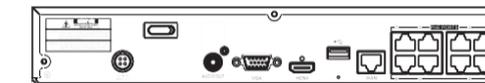
NVR Value 4K Non-PoE Series



Model	AY-ECO-R16CH-126P
Resolution	8MP, 5MP, 3MP, 2MP(1080P),1.3MP(960P),1.0MP(720P)
Recording Bandwidth Inputs	256M
Recording Bandwidth Out	128M
Compression	Audio: G.711a ; Video: H.264/H.265
Frame Rate	4K: 60fps; 4MP: 120fps; 2MP: 240fps
AI	yes
Event	MD(Sensitivity Level 1~8) Video loss Beep, Email, Push notification to Mobile APP
Playback Function	Fast forward / backward (2x, 4x, 8x,16x); Slow forward (1/2x, 1/4x, 1/8x, 1/16x)
Playback	Max 16CH playback
Fisheye	Use WEB CMS,device does not support
P/W Reset	Factory Reset : Press 10 seconds
VGA	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)
HDMI 1	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 , 2560*1440, 3840*2160/EDID)
HDMI 2	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)
PoE	N/A
Ethernet	2 RJ45 100/1000 Base-T
USB	USB2.0*1(front);USB3.0*1+USB2.0*1(rear)
Audio Out	1
E-sata	1
HDD	8 HDD+1ESATA
Line In	1
RS485	1
Alarm Input/Out	16 in /4 out
Dimension (WxDxH)	380*340*50mm
Input Voltage/Current	250W
Power Consumption(excluding hard disk)	≤20W
Operating Temperature/Humidity	Temperature: 0°C~+40°C (32°F ~ 104°F) ;Humidity: Less than 90%RH



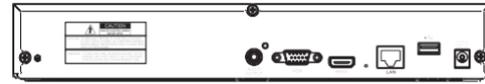
NVR Economic 4K PoE Series



Model	AY-ECO-R4CH-102P	AY-ECO-R8CH-104P
Resolution	8MP, 5MP, 3MP, 2MP(1080P),1.3MP(960P),1.0MP(720P)	
Recording Bandwidth Inputs	50Mbps	76Mbps
Recording Bandwidth Out	48Mbps	32Mbps
Compression	Audio: G.711a ; Video: H.264/H.265	
Frame Rate	4K: 30fps; 4MP: 60fps; 2MP: 120fps	
AI	yes	
Event	MD(Sensitivity Level 1~8) Video loss Beep, Email Push notification to Mobile APP	
Playback Function	Fast forward / backward (2x, 4x, 8x,16x); Slow forward (1/2x, 1/4x, 1/8x, 1/16x)	
Playback	Max 4CH playback	
Fisheye	Use WEB CMS,device does not support	
P/W Reset	Factory Reset : Press 10 seconds	
VGA	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)	
HDMI	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 , 2560*1440, 3840*2160/EDID)	
PoE	4*RJ45, 802.3at/af	
Ethernet	1 RJ45 10/100 Base-T	
USB	USB2.0*1(front); USB2.0*1+(rear)	
Audio Out	1	
E-sata	1 optional, not supported by default	
HDD	1 SATA HDD, up to 8TB (Design reserved 2HDD or 1HDD+1ESATA)	
Line In	1 optional, not supported by default	
RS485	1 optional, not supported by default	
Alarm Input/Out	4 in /1 out optional, not supported by default	8 in /1 out optional, not supported by default
Dimension (WxDxH)	300X227X53mm	
Input Voltage/Current	DC48V/1.2A	
Power Consumption(excluding hard disk)	5.5W	5.8W
Operating Temperature/Humidity	Temperature: 0°C~+40°C (32°F ~ 104°F) ;Humidity: Less than 90%RH	



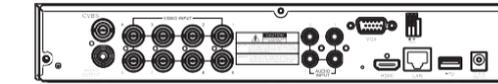
NVR Economic 4K Non-PoE Series



Model	AY-R4CH-101	AY-R8CH-103
Resolution	8MP, 5MP, 3MP, 2MP(1080P),1.3MP(960P),1.0MP(720P)	
Recording Bandwidth Inputs	50Mbps	76Mbps
Recording Bandwidth Out	48Mbps	32Mbps
Compression	Audio: G.711a ; Video: H.264/H.265	
Frame Rate	4K: 30fps; 4MP: 60fps; 2MP: 120fps	
AI	yes	
Event	MD(Sensitivity Level 1~8) Video loss Beep, Email Push notification to Mobile APP	
Playback Function	Fast forward / backward (2x, 4x, 8x,16x); Slow forward (1/2x, 1/4x, 1/8x, 1/16x)	
Playback	Max 4CH playback	
Fisheye	Use WEB CMS,device does not support	
P/W Reset	Factory Reset : Press 10 seconds	
VGA	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)	
HDMI	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 , 2560*1440, 3840*2160/EDID)	
PoE	N/A	
Ethernet	1 RJ45 10/100 Base-T	
USB	USB2.0*1(front); USB2.0*1+(rear)	
Audio out	1	
E-sata	1 optional, not supported by default	
HDD	1 SATA HDD, up to 8TB (Design reserved 2HDD or 1HDD+1ESATA)	
Line In	1 optional, not supported by default	
RS485	1 optional, not supported by default	
Alarm Input/Out	4 in /1 out optional, not supported by default	8 in /1 out optional, not supported by default
Dimension (WxDxH)	300X227X53mm	
Input Voltage/Current	DC12V/2A	
Power Consumption(excluding hard disk)	3.2W	3.3W
Operating Temperature/Humidity	Temperature: 0°C~+40°C (32°F ~ 104°F) ;Humidity: Less than 90%RH	



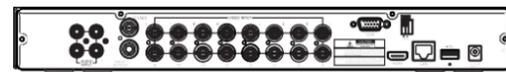
XVR Value 4K Series



Model	AY-ECO-RX4CH113	AY-ECO-RX8CH114
Recording Bandwidth Inputs	12Mbps ~36Mbps, IP Bandwidth default is 12Mbps,	24Mbps ~72Mbps, IP Bandwidth default is 24Mbps,
Recording Bandwidth Out	48Mbps	72Mbps
Analog Video Input	4CH inputs	8CH inputs
IP Video Input	2ch,(only IP up to 6ch)	4ch,(only IP up to 12ch)
Composite Video Input	up to 6ch (Analog video + IP video)	up to 12ch (Analog video + IP video)
Compression	Audio: G.711a , Video : H.264/H.265	
Display Resolution	Analog: 8MP(15fps), 5MP(20fps), 4MP/1080P/720P/960H (30fps) IP: 4K/4MP/1080P/720P	
Speed	Analog: 8MP: 7fps(each ch), 5MP: 12fps(each ch), 4MP: 15fps(each ch), 1080P: PAL: 25fps(each ch)/NTSC: 30fps(each ch) IP: PAL: 25fps(each ch)/NTSC: 30fps(each ch)	
Event	MD(Sensitivity Level 1~8) ; Video loss; Beep, Email, Push notification to Mobile APP	
Playback Function	Fast forward / backward (2x, 4x, 8x,16x); Slow forward (1/2x, 1/4x, 1/8x, 1/16x)	
Playback	8MP: 28fps, 5MP: 48ps, 4MP: 60fps, 1080P: 120fps	8MP: 60fps (Max 4CH playback), 5MP: 96fps(Max 8CH playback) 4MP: 120fps (Max 8CH playback), 1080P: 240fps (Max 8CH playback)
Intelligent	PID, LCD, PD&VD	PID ,LCD
P/W Reset	Factory Reset : Press 10 seconds	
BNC	1 (704*576)	
VGA	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)	
HDMI	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 , 2560*1440, 3840*2160/EDID)	
Ethernet	1 RJ45 10/100 Base-T	1 RJ45 100/1000 Base-T
USB	USB2.0*1(front),USB2.0*1+(rear)	
Audio	4 in / 1 out	4 in / 1 out (Max 8 in /1 out optional)
E-sata	1 optional, not supported by default	
HDD	1 SATA HDD, up to 8TB default (Design reserved 2HDD)	
RS485	1	
Alarm Input/Out	4 in /1 out optional, not supported by default	8 in /1 out optional, not supported by default
Dimension (WxDxH)	300X227X53mm	
Input Voltage/Current	1HDD: DC12V/2A, 2HDD: DC12V/5A	
Power Consumption(excluding hard disk)	4.7W	11W
Operating Temperature/Humidity	Temperature: 0°C~+40°C (32°F ~ 104°F), Humidity: Less than 90%RH	



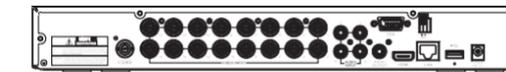
XVR Value 4K Series



Model	AY-ECO-RX8CH115	AY-ECO-RX16CH116
Recording Bandwidth Inputs	16Mbps ~24Mbps	48Mbps
Recording Bandwidth Out	96Mbps	128Mbps
Analog Video Input	8CH inputs	16CH inputs
IP Video Input	4ch,(only IP up to 12ch)	8ch
Composite Video Input	up to 12ch (Analog video + IP video)	up to 24ch (Analog video + IP video)
Compression	Audio: G.711a , Video : H.264/H.265	
Display Resolution	Analog: 8MP(15fps) , 5MP(20fps) , 4MP/1080P/720P/960H (30fps) IP: 4K/4MP/1080P/720P	Analog: 8MP(15fps) ; 5MP(20fps) ; 4MP/3MP/1080P/720P/960H (30fps) IP: 8MP/4MP/3MP/1080P/720P
Speed	Analog :8MP:10fps(each ch); 5MP:14fps(each ch);4MP:18fps(each ch); 1080P:PAL:25fps(each ch)/NTSC:30fps(each ch) IP: PAL:25fps(each ch)/NTSC: 30fps(each ch)	Analog: 8MP:10fps(each ch); 5MP:15fps(each ch); 4MP:20fps(each ch); 1080P: PAL:25fps(each ch)/NTSC:30fps(each ch) IP: PAL:25fps(each ch)/NTSC: 30fps(each ch)
Event	MD(Sensitivity Level 1~8) ; Video loss; Beep, Email, Push notification to Mobile APP	
Playback Function	Fast forward / backward (2x, 4x, 8x,16x); Slow forward (1/2x, 1/4x, 1/8x, 1/16x)	
Playback	8MP: 75fps (Max 4CH playback); 5MP: 112fps(Max 8CH playback) 4MP: 144fps(Max 8CH playback); 1080P: 240fps (Max 8CH playback)	8MP: 120fps(Max 12CH playback); 5MP: 240fps(Max 16CH playback) 4MP: 320fps(Max 16CH playback); 1080P: 480fps(Max 16CH playback)
Intelligent	PID, LCD, PD&VD,FR	
P/W Reset	Factory Reset : Press 10 seconds	
BNC	1 (704*576)	
VGA	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)	
HDMI	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080 , 2560*1440, 3840*2160/EDID)	
Ethernet	1 RJ45 10/100 Base-T	1 RJ45 100/1000 Base-T
USB	USB2.0*1(front),USB2.0*1+(rear)	
Audio	4 in / 1 out (Max 8 in /1 out optional,)	4 in / 1 out (Max 16 in /1 out optional)
E-sata	1 optional, not supported by default	
HDD	1 SATA HDD, up to 8TB default (Design reserved 2HDD)	2 SATA HDD, up to 8TB (Max 4HDD)
RS485	1	
Alarm Input/Out	8 in /1 out optional, not supported by default	16 in /1 out optional, not supported by default
Dimension (WxDxH)	300X227X53mm	
Input Voltage/Current	1HDD: DC12V/2A, 2HDD: DC12V/5A	
Power Consumption(excluding hard disk)	11W	
Operating Temperature/Humidity	Temperature: 0°C~+40°C (32°F ~ 104°F), Humidity: Less than 90%RH	



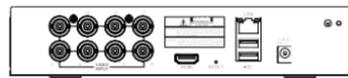
XVR Value 5MP-Lite Series



Model	AY-ECO-RX4CH103	AY-ECO-RX8CH104	AY-ECO-RX16CH112
Recording Bandwidth Inputs	8Mbps ~24Mbps,IP Bandwidth default is 8Mbps,	16Mbps ~48Mbps,IP Bandwidth default is 16Mbps,	16Mbps ~80Mbps,Total decoding performance 1080P 120fps
Recording Bandwidth Out	48Mbps	64Mbps	96Mbps
Analog Video Input	4CH inputs	8CH inputs	16CH inputs
IP Video Input	2ch,(only IP up to 6ch)	4ch,(only IP up to 12ch)	4ch,(only IP up to 20ch)
Composite Video Input	up to 6 ch (Analog video + IP video)	up to 12ch (Analog video + IP video)	up to 20ch (Analog video + IP video)
Compression	Audio: G.711a , Video: H.264/H.265		
Display Resolution	Analog: 5MP-Lite: 20fps, 4MP-Lite:30fps,1080P/720P/960H: 30fps; IP: 5MP/4MP/1080P/720P		
Speed	Analog: 5MP-Lite: 20fps (each ch), 4MP-Lite: 30fps(each ch), 1080P/720P: PAL: 25fps(each ch)/NTSC: 30fps(each ch) IP: PAL: 25fps(each ch)/NTSC: 30fps(each ch)	Analog: 5MP-Lite:15fps (each ch),4MP-Lite: 20fps(each ch), 1080P: 18fps(each ch), 720P: PAL: 25fps(each ch)/NTSC: 30fps(each ch) IP: PAL:25fps(each ch)/NTSC: 30fps(each ch)	Analog: 5MP-Lite: 12fps (each ch),4MP-Lite: 16fps(each ch), 1080P: 15fps(each ch), 720P: PAL: 25fps(each ch)/NTSC: 30fps(each ch) IP: PAL: 25fps(each ch)/NTSC: 30fps(each ch)
Event	MD(Sensitivity Level 1~8) ; Video loss; Beep, Email, Push notification to Mobile APP		
Playback Function	Fast forward / backward (2x, 4x, 8x,16x); Slow forward (1/2x, 1/4x, 1/8x, 1/16x)		
Playback	5MP-Lite: 80fps, 4MP-Lite:120fps, 1080P: 120fps, 720P: 120fps	5MP-Lite: 90fps(Max 6CH playback)4MP-Lite: 60fps(Max 8CH playback) 1080P: 144fps(Max 8CH playback), 720P: 240fps(Max 8CH playback)	1080P: 120fps Max 8CH playback
Intelligent	PID, LCD, PD&VD		
P/W Reset	Factory Reset : Press 10 seconds		
BNC	1 (704*576)		
VGA	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080)		
HDMI	1(1024*768,1280*720,1280*1024,1440*900,1920*1080,2560*1440(2K),3840*2160(4K))		
Ethernet	1 RJ45 10/100 Base-T		1 RJ45 100/1000 Base-T
USB	USB2.0*1(front),USB2.0*1+(rear)		
Audio	4 in / 1 out	4 in / 1 out (Max 8 in /1 out optional,)	4 in / 1 out (Max16 in /1 out optional,)
E-sata	1 optional, not supported by default		
HDD	1 SATA HDD, up to 8TB default (Design reserved 2HDD or 1HDD+1ESATA)		
RS485	1		
Alarm Input/Out	4 in /1 out optional, not supported by default	8 in /1 out optional, not supported by default	16 in /1 out optional, not supported by default
Dimension (WxDxH)	300X227X53mm		
Input Voltage/Current	1HDD:DC12V/2A, 2HDD:DC12V/5A		
Power Consumption(excluding hard disk)	3.6W		14W
Operating Temperature/Humidity	Temperature : 0°C~+40°C (32°F ~ 104°F), Humidity : Less than 90%RH		



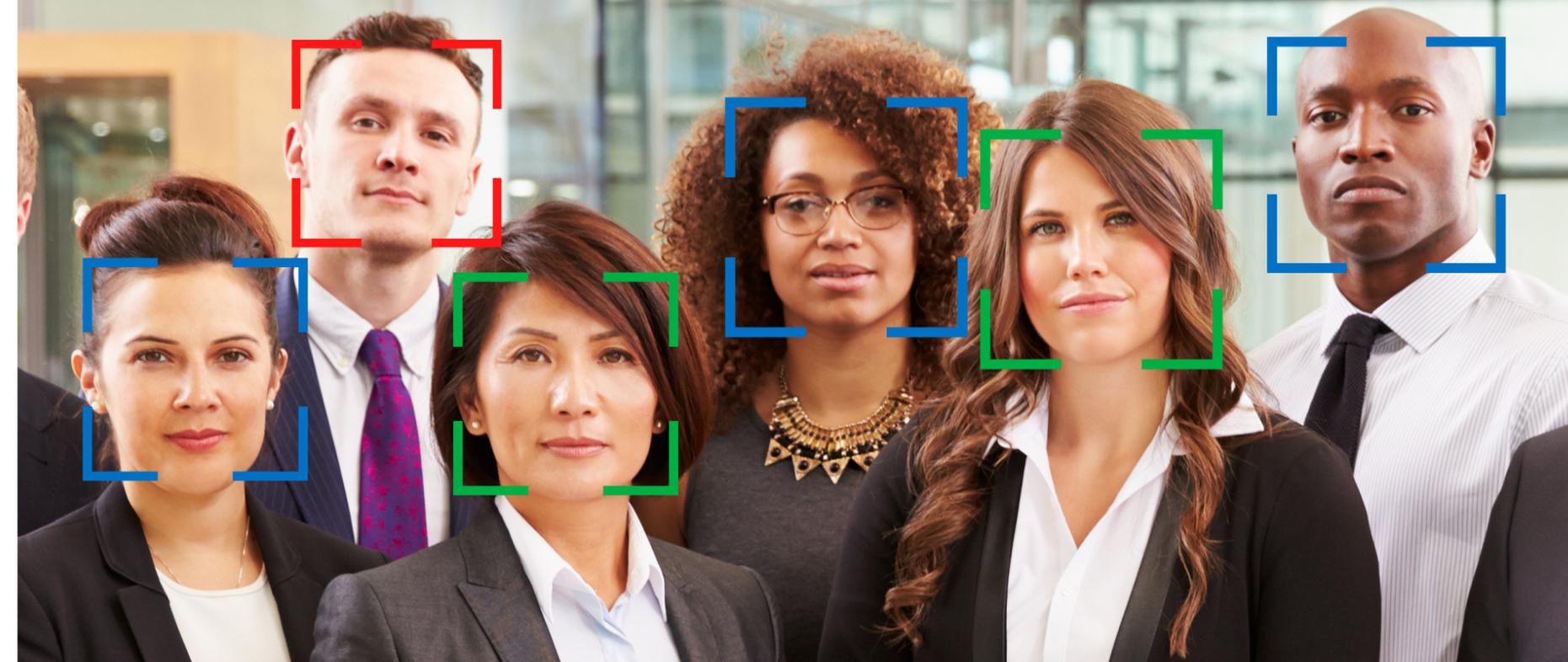
XVR Economic 5MP-Lite Series



Model	AY-ECO-RX4CH101	AY-ECO-RX8CH102	AY-ECO-RX16CH111 *coming soon*
Recording Bandwidth Inputs	4Mbps ~20Mbps,IP Bandwidth default is 4Mbps	8Mbps ~40Mbps,IP Bandwidth max is 8Mbps	16Mbps ~32Mbps,IP Bandwidth max is 8Mbps
Recording Bandwidth Out	32Mbps	56Mbps	64Mbps
Analog Video Input	4CH inputs	8CH inputs	16CH inputs
IP Video Input	1ch,(only IP up to 5ch)	2ch,(only IP up to 10ch)	4ch,(only IP up to 20ch)
Composite Video Input	up to 5 ch (Analog video + IP video)	up to 10 ch (Analog video + IP video)	up to 20 ch (Analog video + IP video)
Compression	Audio: G.711a, Video: H.264/H.265		
Display Resolution	Analog: 5MP-Lite:20fps, 4MP-Lite:30fps, 1080P/720P/960H:30fps, IP:1080P/720P	Analog: 5MP-Lite:12fps, 1080P:15fps, 1080N/720P/960H:30fps, IP:1080P/720P	Analog: 5MP-Lite(1280*1944): 12fps(1080N/720P/960H, IP:1080P/720P
Speed	Analog:5MP-Lite:20fps (each ch), 4MP-Lite:30fps(each ch), 1080P/720P:PAL:25fps(each ch)/NTSC:30fps(each ch) IP : PAL:25fps(each ch)/NTSC: 30fps(each ch)		Analog :5MP-Lite(1280*1944): 12fps(each ch); 1080N(960*1080) :15fps(each ch); 720P:15fps(each ch) IP :PAL:25fps(each ch) / NTSC: 30fps(each ch)
Event	MD(Sensitivity Level 1~8) ; Video loss; Email, Push notification to Mobile APP		
Playback Function	Fast forward / backward (2x, 4x, 8x,16x); Slow forward (1/2x, 1/4x, 1/8x, 1/16x)		
Playback	5MP-Lite:80fps, 4MP-Lite: 120fps, 1080P: 120fps, 720P: 120fps	5MP-Lite: 48fps, 1080P: 60fps, 720P: 120fps(Max 4CH playback)	5MP-Lite: 90fps(Max 6CH playback), 1080P: 160fps(Max 8CH playback) 720P: 320fps(Max 8CH playback)
P/W Reset	Factory Reset: Press 10 seconds		
BNC	N/A		
VGA	N/A		
HDMI	1(1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080, EDID)		
Ethernet	1 RJ45 10/100Base-T		
USB	USB2.0*2(front)		
Audio	N/A		
E-sata	N/A		
HDD	1 SATA HDD, up to 8TB		
RS485	N/A		
Alarm Input/Out	N/A		
Dimension (WxDxH)	230*215*47mm		300X227X53mm
Input Voltage/Current	DC12V/2A		
Power Consumption(excluding hard disk)	3.6W	4W	8W
Operating Temperature/Humidity	Temperature : 0°C~+40°C (32°F ~ 104°F) ,Humidity : Less than 90%RH		



AYVIEW VMS





AYVIEW VMS

AYRUS AYVIEW VMS (Video Monitoring System) is AI BASED Advanced Management System used to manage Video Surveillance of a Multiple sites. The VMS client can be used in conjunction with DVR, NVR, IPC, network storage equipment and alarm equipment.

Face Tracking & Detection Enhanced By Ai & ML



-  > Up to 128 channels , live view
- > Support E-Map & SMD (Smart Motion Detection)
- > Real-time view, record and playback of videos from multiple cameras.
- > Remote Configuration Of Each Device



Fish-Eye Mode



Live Mobile Streaming



Third Party Integrations



Alarm Detections



Smart Face Detection

AYVIEW SMARTER AND SAFER



One-click import and export of information documents to/from devices.

- > Software-based password reset
- > Search devices by network segment
- > Remote playback of videos and captured images.
- > Supports-
 - Face Detection,
 - Attribute Detection,
 - Human and Vehicle Detection,
 - PID(Perimeter Intrusion Detection),
 - LCD (Line Crossing Detection),
 - Cross Counting, and
 - Face attendance management
 - Smart Motion Detection (SMD)

- Face-Based Alert
- Face-Based Search
- Custom Face Grouping

Applications



- Public Place Surveillance
- Office & Factory Surveillance
- Unknown/Black-listed detected
- Access Control For Home & Safe Houses
- Time Attendance & VIP Surveillance



AYVMS Features:

- Up to 128 CH live view
- Face recognition.
- Human/vehicle form recognition.
- One-click import and export of information documents to/from devices.
- File management and separate view of picture and video.
- Human/vehicle form recognition.
- Smart Motion Detection
- One-click import and export of information documents to/from devices.
- File management and separate view of picture and video.
- Software-based password reset.
- Available for multiple users.
- Adding a single device or devices by batch and devices for different protocols.
- Remote configuration of devices
- Real-time view and playback of videos from multiple cameras.
- Sequential view of multiple devices.
- Remote playback of videos and captured images.
- Configuration of multiple alarm detections.
- Configuration of e-map for device locating at any time and for easy deployment.
- Search and export of logs.



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