



SCAN & FOLLOW

This product manual aims to provide accurate information. In case of discrepancies, please refer to the actual product (this manual is for reference only)

AI NVR Motherboard

S Series

- Size:118mm*46mm
- Audio 1/1(3.5mm)
- Support cloud storage
- Support for custom screen segmentation
- Support Multi lens camera
- Support video playback by facial/car
- Support expansion of 433 modules to connect IoT devices

Model	Video Input	Decode(real-time and non-real-time)	SATA
NBD88X10S-KL-V3	10*4K	4K(1)/5M(2)/4M(2)/3M(3)/1080P(5)	1*SATA
NBD88X16S-KL-V3	16*4K	4K(1)/5M(2)/4M(2)/3M(3)/1080P(5)	1*SATA
NBD80S10S-KL	10*4K	4K(1)/5M(1+1)/4M(2+1)/3M(2+2)/1080P(4+1)	1*SATA
NBD80S16S-KL	16*4K	4K(1)/5M(1+1)/4M(2+1)/3M(2+2)/1080P(4+1)	1*SATA

H Series

- Audio 1/1
- Support cloud storage
- Support for custom screen segmentation
- Support Multi lens camera
- Support video playback by facial/car

Model	Video Input	Decode(real-time and non-real-time)	SATA
NBD80N36H4-KL-V3	36*4K	4K(1+1)/5M(3+1)/4M(4+1)/3M(5+1)/1080P(8+2)	4*SATA
NBD80N64H8-KLE	64*4K	4K(1+1)/5M(3+1)/4M(4+1)/3M(5+1)/1080P(8+2)	8*SATA

RA Series

- Size:118mm*73mm
- Audio 1/1(3.5mm)
- Support cloud storage
- Support for custom screen segmentation
- Support Multi lens camera
- Support video playback by facial/car

Model	Video Input	Decode(real-time and non-real-time)	SATA
NBD80N16RA-KL-V3	16*4K	4K(1+1)/5M(3+1)/4M(4+1)/3M(5+1)/1080P(8+2)	2*SATA
NBD80N36RA-KL-V3	36*4K	4K(1+1)/5M(3+1)/4M(4+1)/3M(5+1)/1080P(8+2)	2*SATA

PoE Series

- Audio 1/1(3.5mm)
- Support cloud storage
- Support for custom screen segmentation
- Support Multi lens camera
- Support video playback by facial/car

Model	Video Input	Decode(real-time and non-real-time)	SATA
NBD80S08S-KL(EP)	8*PoE IPC	4K(1)/5M(1+1)/4M(2+1)/3M(2+2)/1080P(4+1)	1*SATA
NBD80S16S-KL(EP)	16*PoE IPC	4K(1)/5M(1+1)/4M(2+1)/3M(2+2)/1080P(4+1)	1*SATA
NBD80N16RA-KL(EP)-V3	16*PoE IPC	4K(1+1)/5M(3+1)/4M(4+1)/3M(5+1)/1080P(8+2)	2*SATA

AI Wi-Fi KIT

Wi-Fi Kit Camera Module

- Size:38mm*38mm
- Voice intercom
- Lightning protection

- Wi-Fi/Wi-Fi 6
- Support humanoid detection, face detection

Model	Resolution	Wi-Fi transmission distance	Audio I/O
IPG-X3-WNG	3MP	450meters	1/1
IPG-X3S-W6PN	3MP	500meters	1/1
IVG-G5B-W6PN	5MP	500meters	1/1
IVG-G5B-WPNG	5MP	450meters	1/1

Wi-Fi Kit Motherboard

- Automatic code matching
- Cloud storage
- Lightning protection

- Wi-Fi 6
- Support humanoid detection, face detection
- Video playback by facial

Model	Video Input	Decode(real-time and non-real-time)	SATA
NBD80S08S-UW6	8*5M	5M(1+1)/4M(2+2)/3M(3+3)/1080P(5+3)	1*SATA
NBD90S08N-UW6	8*5M	5M(1+1)/4M(2+2)/3M(3+3)/1080P(5+3)	1*SATA

AI Coaxial Dual Light Camera Module

2MP Dual light Module

- size:32mm*32mm(compatible with 38 positioning holes)
- Coaxial control, coaxial upgrade
- Transmission distance of over 500 meters
- Infrared/white light dual-light intelligent switching

Model	Sensor	Resolution	Audio I/O
XAG-53XA20PTA-HR	1/3"low illumination CMOS sensor	2MP	0/0
XAG-53T20PTA-HRA	1/3"low illumination CMOS sensor	2MP	1/0
XAG-53TB20PTA-HRA	1/3"low illumination CMOS sensor	2MP	1/1

5MP Dual light Module

- size:32mm*32mm(compatible with 38 positioning holes)
- Coaxial control, coaxial upgrade
- Transmission distance of over 500 meters
- Infrared/white light dual-light intelligent switching

Model	Sensor	Resolution	Audio I/O
XAG-53X50PTB-UR	1/2.7"low illumination CMOS sensor	5MP	0/0
XAG-53X50PSC-UR	1/2.7"low illumination CMOS sensor	5MP	0/0
XAG-53TB50PTB-URA	1/2.7"low illumination CMOS sensor	5MP	1/1

8MP Dual light Module

- size:32mm*32mm(compatible with 38 positioning holes)
- Coaxial control, coaxial upgrade
- Transmission distance of over 500 meters
- Infrared/white light dual-light intelligent switching

Model	Sensor	Resolution	Audio I/O
XAG-53X80PS-YR	1/2.7"low illumination CMOS sensor	8MP	0/0
XAG-53X80PTA-YR	1/2.5"low illumination CMOS sensor	8MP	0/0
XAG-53T80PS-YRA	1/2.7"low illumination CMOS sensor	8MP	1/0
XAG-53TA80PS-YRA	1/2.5"low illumination CMOS sensor	8MP	1/1

AI ADVR Motherboard

RM Series

- Support XVI/AHD/TVI/CVI/CVBS/IP signals
- 1*HDMI, 1*VGA
- Support two way Coaxial audio

- Support cloud storage
- Support video playback by facial and car
- Support expansion of 433 modules to connect IoT devices

Model	Encode	Decode	SATA
AHB80N04RM-MH-V4	4*5M-N@20fps(6 in 1)/4*4M-N@28fps(6 in 1)/4*1080P@25fps(6 in 1)	2*5M-N@20fps(6 in 1)/2*4M-N@28fps(6 in 1)/2*1080P@25fps(6 in 1)	1*SATA
AHB80N04RM-GS-V4	4*4K-N@12fps(6 in 1)/4*4M@15fps(6 in 1)/4*3M@18fps(6 in 1)/4*1080P(6 in 1)	1*4K-N@12fps(6 in 1)/1*4M@15fps(6 in 1)/1*3M@18fps(6 in 1)/1*1080P(6 in 1)	1*SATA
AHB80N04RM-GL-V4	4*8M@9fps(6 in 1)/4*5M@16fps(6 in 1)/4*4M@21fps(6 in 1)/4*3M@25fps(6 in 1)/4*1080P(6 in 1)	4*8M@9fps(6 in 1)/4*5M@16fps(6 in 1)/4*4M@21fps(6 in 1)/4*3M@25fps(6 in 1)/4*1080P(6 in 1)	2*SATA
AHB80N08RM-LME-V4	8*5M-N@12fps(6 in 1)/8*4M-N@15fps(6 in 1)/8*1080P@15fps	2*5M-N@12fps(6 in 1)/2*4M-N@15fps(6 in 1)/2*1080P@15fps	1*SATA
AHB80N08RM-GS-V4	8*4K-N@9fps(6 in 1)/8*5M@8fps(6 in 1)/8*4M@10fps(6 in 1)/8*3M@12fps(6 in 1)/8*1080P@18fps(6 in 1)	8*4K-N@9fps(6 in 1)/8*5M@8fps(6 in 1)/8*4M@10fps(6 in 1)/8*3M@12fps(6 in 1)/8*1080P@18fps(6 in 1)	2*SATA

T Series

- Support XVI/AHD/TVI/CVI/CVBS/IP signals
- 1*HDMI, 1*VGA
- Support two way Coaxial audio

- Support cloud storage
- Support video playback by facial and car
- Support expansion of 433 modules to connect IoT devices

Model	Encode	Decode	SATA
AHB80N08T-GL-V4	8*8M@8fps(6 in 1)/8*5M@14fps(6 in 1)/8*4M@18fps(6 in 1)/8*3M@21fps(6 in 1)/8*1080P(6 in 1)	8*8M@8fps(6 in 1)/8*5M@14fps(6 in 1)/8*4M@18fps(6 in 1)/8*3M@21fps(6 in 1)/8*1080P(6 in 1)	2*SATA
AHB80N16T-LME-V4	16*5M-N@6fps(6 in 1)/16*4M-N@8fps(6 in 1)/16*1080P@8fps(6 in 1)	16*5M-N@6fps(6 in 1)/16*4M-N@8fps(6 in 1)/16*1080P@8fps(6 in 1)	2*SATA
AHB80N16T-GS-V4	16*4K@4fps(6 in 1)/16*5M@6fps(6 in 1)/16*4M@9fps(6 in 1)/16*3M@10fps(6 in 1)/16*1080P@16fps(6 in 1)	4*4K@4fps(6 in 1)/4*5M@6fps(6 in 1)/4*4M@9fps(6 in 1)/4*3M@10fps(6 in 1)/4*1080P@16fps(6 in 1)	2*SATA

F Series

- Support XVI/AHD/TVI/CVI/CVBS/IP signals
- 1*HDMI, 1*VGA
- Support two way Coaxial audio

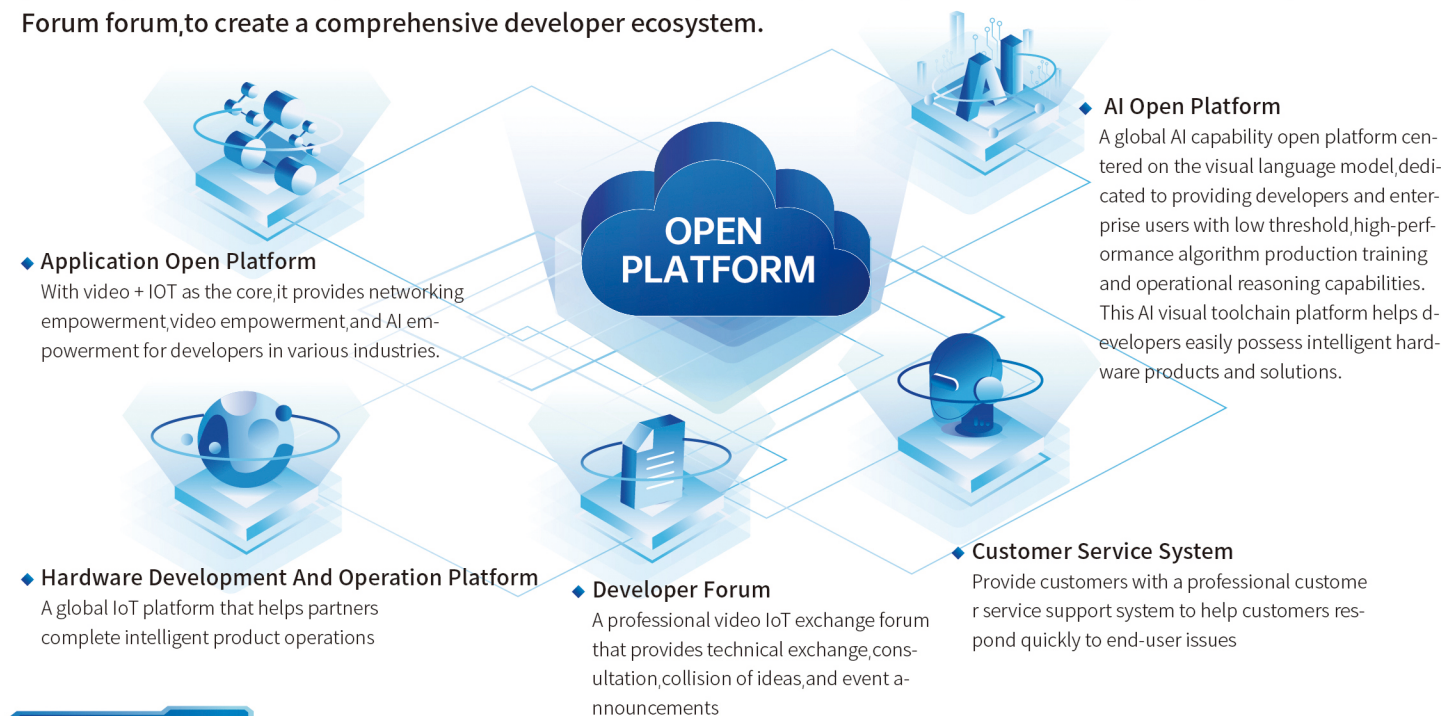
- Support cloud storage
- Support video playback by facial and car
- Support expansion of 433 modules to connect IoT devices

Model	Encode	Decode	SATA
AHB80N16F4-GL-V4	16*8M@8fps(6 in 1)/16*5M@13fps(6 in 1)/16*4M@18fps(6 in 1)/16*3M@21fps(6 in 1)/16*1080P(6 in 1)	16*8M@8fps(6 in 1)/16*5M@13fps(6 in 1)/16*4M@18fps(6 in 1)/16*3M@21fps(6 in 1)/16*1080P(6 in 1)	4*SATA
AHB80N32F4-LME-V4	32*5M-N@6fps(6 in 1)/32*4M-N@9fps(6 in 1)/32*1080P@8fps	8*5M-N@6fps(6 in 1)/16*4M-N@8fps(6 in 1)/16*1080P@8fps	4*SATA

Software & Services

Open Platform

Open platform is a full-link developer service platform provided by our company,including: application development platform,hardware development and operation platform,AI open platform,customer service system,developer Forum forum,to create a comprehensive developer ecosystem.



Value-added Services

Cloud Storage
Cloud storage of alarm recording, real-time cloud short video alarm push.

Cloud Phone
Important information is not missed, timely call, real-time telephone intercom communication.

Voice Alarm
Intelligent incoming calls for important information,voice broadcast reminders.

Message Alarm
Intelligent push of important information message reminders to ensure that you do not miss it in time.

Algorithm Services

Human detection

Face capture

Face recognition

Mask recognition

Model detection

Electric vehicle detection

License plate recognition

Parking space recognition

AI Consumer Module



Terminal Management Products

- Support a variety of Wi-Fi camera access management
- Support camera alert linkage
- Enhance Wi-Fi signal and provide connection stability
- Support mobile phone remote monitoring, alarm message push
- Support multi-channel screen preview at the same time
- Support video TF card storage/hard disk storage/cloud storage

Model	Video Input	Video Storage	Network
BNV9004Q-XUW	4*5M	TF card storage/cloud storage	Wi-Fi/Wired
BNVR9008N-SUW6	8*5M	TF card storage/hard disk storage (2.5 inch)/cloud storage	Wi-Fi/Wired
BNVR9004Q2-NUW	4*5M	TF card storage/cloud storage	Wi-Fi/Wired

4MP AI Pet Feeder Module

- Support Bluetooth/QR code fast network configuration
- Support local one-key feeding, one-key recording
- Support remote timing and quantitative feeding,remote one-key feeding
- Support pet detection
- Support video voice interaction, video preview,recording and playback
- Support infrared night vision
- Support video TF card storage/cloud storage

Model	Network configuration mode	Resolution	AI Detection
IOTG-P1WB-LS3	Bluetooth/QR code	0.3MP	/
IOTG-P3WB-X4E	Bluetooth/QR code	4MP	Pet detection

2MP/4MP Wi-Fi Indoor PT Camera Module

- Support Bluetooth fast network configuration
- Support human detection, intrusion
- Support Pan&Tilt
- Support two-way talk
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
IPG-X2S-WR-BL	1/3" Low illumination CMOS sensor	2MP
IPG-G4-WR-BL	1/2.8" Low illumination CMOS sensor	4MP

1MP/2MP AI Video Door Lock Module

- Support Bluetooth/QR code fast network configuration
- HD display screen
- Support door opening message, doorbell call,stay alarm,anti-piracy alarm,trial and error alarm and other message push
- Support APP remote wake-up and remote unlocking
- Support video Intercom
- Support cloud phone
- Support video cloud storage

Model	Network configuration mode	Resolution	Screen size
IOTG-LKU-X1	Bluetooth/QR code	1MP	4"/4.5"/5"
IOTG-LKH-X2	Bluetooth/QR code	2MP	4"/4.5"/5"
IOTG-LKA-X2	QR code	2MP	4"/4.5"/5"

2MP/4MP/8MP Wi-Fi Outdoor PT Camera Module

- Support Bluetooth fast network configuration
- Support human detection, intrusion
- Support Pan&Tilt
- Support two-way talk
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
IPG-X2S-WQ-BL	1/3" Low illumination CMOS sensor	2MP
IPG-G4-WQ-BL	1/2.8" Low illumination CMOS sensor	4MP
IPG-N8-WQ-BL	1/2.7" Low illumination CMOS sensor	8MP

4MP Wi-Fi Dual Lens Outdoor PTZ Camera Module

- Support dual lens 8x hybrid zoom
- Support dual-screen preview for near and far view
- Support human detection,human zoom tracking
- Support two-way talk
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
IPG-N4C-WQ2-M	2*1/3.2" Low illumination CMOS sensor	4MP

4MP Wi-Fi Dual Lens Indoor Bullet&PT Camera Module

- Support Bluetooth fast network configuration
- Support monitoring of two different areas,dual-screen preview
- Support Bullet&PT linkage, touch to view
- Support human detection, human tracking
- Support two-way talk
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
IPG-X4C-WER	2*Low illumination CMOS sensor	4MP

4MP Wi-Fi Dual Lens Wide View Camera Module

- Nearly 180° ultra-wide view
- Support human detection
- Support area alert
- Support two-way talk
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
IPG-N4-WE2J	2*1/2.8" Low illumination CMOS sensor	4MP

3MP 4G PT Camera Module

- Support 4G network connection
- Support human detection, intrusion
- Support Pan&Tilt
- Support two-way talk
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	4G Module	Resolution
IPG-G3-4GQC	1/2.8" Low illumination CMOS sensor	CAT1	3MP

4MP 4G Battery PT Camera Module

- Support 4G network connection
- Support PIR detection
- Support APP remote wake-up
- Support rechargeable lithium battery power supply
- Support two-way talk
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	4G Module	Resolution
LPG-G4-4GQ	1/3" Low illumination CMOS sensor	CAT1	4MP
LPG-G4-4GQEU	1/3" Low illumination CMOS sensor	CAT1 (European version)	4MP
LPG-G4-4GQUS	1/3" Low illumination CMOS sensor	CAT1 (US version)	4MP

2MP/4MP Wi-Fi Battery PT Camera Module

- Support Wi-Fi network connection
- Support PIR detection
- Support APP remote wake-up
- Support rechargeable lithium battery power supply
- Support Pan&Tilt
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
LPG-G2-Q-MD	1/3" Low illumination CMOS sensor	2MP
LPG-G4-Q-MD	1/3" Low illumination CMOS sensor	4MP

2MP Wi-Fi Dual Lens Indoor PTZ Camera Module

- Support Bluetooth fast network configuration
- Support dual lens 5x hybrid zoom
- Support dual-screen preview for near and far view
- Support human detection, human zoom tracking
- Support touch to view
- Support two-way talk
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
IPG-X2-WR2	2*1/3.2" Low illumination CMOS sensor	2MP

6MP Wi-Fi Dual Lens Outdoor Bullet&PT Camera Module

- Support Bluetooth fast network configuration
- Support monitoring of two different areas,dual-screen preview
- Support Bullet&PT linkage, touch to view
- Support human detection, human tracking
- Support two-way talk
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
IPG-X6M-WEQ	2*1/2.9" Low illumination CMOS sensor	6MP
IPG-X6C-WEQ	2*1/3" Low illumination CMOS sensor	6MP

6MP Wi-Fi Triple Lens Bullet&PTZ Camera Module

- Support Bluetooth fast network configuration
- Support monitoring of two different areas, dual-screen preview
- Support 8x hybrid zoom
- Support Bullet&PT linkage, touch to view
- Support human detection, human tracking
- Support two-way talk
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
IPG-X6C-WEQ2	3*1/2.9" Low illumination CMOS sensor	6MP

6MP 4G Dual Lens Bullet&PT Camera Module

- Support 4G network connection
- Support monitoring of two different areas, dual-screen preview
- Support Bullet&PT linkage, touch to view
- Support two-way talk
- Support human detection, human tracking
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	4G Module	Resolution
IPG-X6M-4GEQ	2*1/2.9" Low illumination CMOS sensor	CAT1	6MP

2MP/4MP Wi-Fi Battery Bullet Camera Module

- Support Wi-Fi network connection
- Support PIR detection
- Support APP remote wake-up
- Support rechargeable lithium battery power supply
- Support two-way talk
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
LPG-G2-E-EA	1/3" Low illumination CMOS sensor	2MP
LPG-G4-E-EA	1/3" Low illumination CMOS sensor	4MP

4MP Wi-Fi Battery PT Camera Module

- Support Wi-Fi network connection
- Support PIR detection
- Support APP remote wake-up
- Support rechargeable lithium battery power supply
- Support Pan&Tilt
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
LPG-X4-WQ	1/3" Low illumination CMOS sensor	4MP

4MP Wi-Fi Battery Bullet&PT Camera Module

- Support Wi-Fi network connection
- Support monitoring of two different areas, dual-screen preview
- Support PIR detection
- Support APP remote wake-up
- Support rechargeable lithium battery power supply
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
LPG-X4-WEQ	2*1/3" Low illumination CMOS sensor	4MP

4MP 4G Battery Bullet&PT Camera Module

- Support 4G network connection
- Support monitoring of two different areas, dual-screen preview
- Support PIR detection
- Support APP remote wake-up
- Support rechargeable lithium battery power supply
- Support push alarm messages to mobile phone
- Support TF card storage/cloud storage

Model	Sensor	Resolution
LPG-X4-4GEQ	2*1/3" Low illumination CMOS sensor	4MP

4MP Wi-Fi Floodlight Battery Camera Module

- Support PIR detection
- Support APP remote wake-up
- Support rechargeable lithium battery power supply
- Support two-way talk
- Support PIR detection
- Support turning on floodlight at night, brightness can be adjusted (need to be equipped with dual light panel)
- Support push alarm messages to mobile phone

Model	Sensor	Resolution
LPG-G4-GL	1/3" Low illumination CMOS sensor	4MP

4MP/8MP Wi-Fi AI Black Light Module

- Black light, dark night can be clear
- No sensory make-up light, no light pollution
- Support Bluetooth fast network configuration
- Support human detection, human tracking
- Support two-way talk
- Support push alarm messages to mobile phones
- Support TF card storage/cloud storage

Model	Sensor	Resolution	Type
IPG-A4-WQ	1/2.8" Low illumination CMOS sensor	4MP	PT Camera
IPG-A8-WEQ	1/3"+1/2.8" Low illumination CMOS sensor	8MP	Bullet&PT Camera

AI IP Camera Module

3MP Module

- Size: 38mm*38mm
- Cell phone monitoring
- Lightning protection
- Support humanoid detection,face detection,Vehicle detection

Model	Sensor	Resolution	Audio I/O
IVG-G3S	1/2.8" black light CMOS sensor	3MP	1/1
IVG-G3H	1/2.9" low illumination CMOS sensor	3MP	1/1
IVG-G4SF	1/3" black light CMOS sensor	4MP	1/1

5MP Module

- Size: 38mm*38mm
- Cell phone monitoring
- Lightning protection
- Support humanoid detection,face detection,Vehicle detection

Model	Sensor	Resolution	Audio I/O
IVG-G5SF	1/3" black light CMOS sensor	5MP	1/1
IVG-G5F	1/2.8" low illumination CMOS sensor	5MP	1/1

8MP Module

- Size: 38mm*38mm
- Cell phone monitoring
- Lightning protection
- Support humanoid detection,face detection,Vehicle detection

Model	Sensor	Resolution	Audio I/O
IVG-X8	1/2.7" low illumination CMOS sensor	8MP	1/1
IVG-N8F	1/2.7" black light CMOS sensor	8MP	1/1
IVG-N8S	1/2.8" black light CMOS sensor	8MP	1/1

- Size: 38mm*38mm
- AI Black Light Night vision
- Cell phone monitoring
- Lightning protection
- Support humanoid detection,face detection,Vehicle detection

Model	Sensor	Lens	Resolution	Audio I/O
IVG-A4	1/2.8" AI black light CMOS sensor	N/A	4MP	1/1
IVG-A8-P40	1/1.8" AI black light CMOS sensor	Professional 4mm lens	8MP	1/1
IVG-A8-P60	1/1.8" AI black light CMOS sensor	Professional 6mm lens	8MP	1/1