



PRODUCT LIST

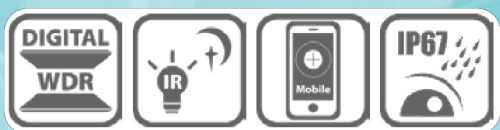
SNS-DOME-IP-C101
SNS-DOME-IP-C102
SNS-Bullet-IP-C103
SNS-Bullet-IP-C104
SNS-AHD-50IB42-VF
SNS-AHD-50AR-A6
SNS-IP-508AR-A6
SNS-AHD-50IBM36
SNS-IP-508IBM36
SNS-AHD-50ID-AR6
SNS-IP-508ID-AR6
SNS-AHD-IR-12CWS

SNS-IR-BULLET-104
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SNS-NVR-4CH-101
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SNS-DOME-IP-C101

3.0 MP AHD Indoor Dome Camera



Main Features:

Instastream and H.264+ video encoding
DWDR, Day/Night (ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC
3.6mm, 2.8mm Lens
IR Range of 20 Mtrs, IP67, IK10
Support Starlight Technology

Feature	Specification
Image Sensor	Industrial grade
Minimum Illumination	0.005 Lux@F1.6 (Color,30IRE) 0.0005 Lux@F1.6 (B/W,30IRE) 0 Lux (Illuminator on)
S/N Ratio	56<dB
Lens	3.6mm; 2.8mm
Shutter Speed	Auto/Manual, 1/3 s-1/100000 s
Gain Control (AGC)	Auto/Manual
Iris	Fixed
Lens Type	Fixed-focal
Close Focus Distance	2.8 mm: 0.7 m ; 3.6 mm: 1.3 m
Angle of View	2.8 mm: Horizontal 96° × Vertical 70° × Diagonal 128° 3.6 mm: Horizontal 79° × Vertical 57° × Diagonal 104°
Motion Detection	OFF/ON 4) areas, rectangular)
Resolution	3M 2048) × 1536); 1080p 1920) × 1080); 720p (1280 × 720); D1 704) × 576/704 × 480); CIF 352) × 288/352 × 240); 640 × 480 (VGA)
Video Compression	Instastream; Smart H.264+; H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Ingress Protection	IP67

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SNS-DOME-IP-C102

3.0 MP AHD Indoor Dome Camera

Main Features:

1/3" progressive scan CMOS
Up to 3.0 megapixel
2.8mm/4mm/6mm fixed focal lens
Upto30mIRRange
Dual stream
Digital WDR (Wide Dynamic Range)

Feature	Specification
Image Sensor	1/3" progressive scan CMOS
Resolution	2304 × 1296
Minimum Illumination	Color: 0.01Lux @(F1.2, AGC ON), 0 Lux with IR
Shutter Speed	1/3s to 1/100,000 s, support slow shutter
Camera Pixel	3.0MP (2304 × 1296)
Day & Night	IR cut filter with auto switch
Video Compression	Main stream: H.264+/H.264 Sub stream: H.264/MJPEG
Lens Mount	M12
Image Settings	Brightness, saturation, contrast, sharpness are adjustable via web browser or client software
Detection	Motion detection
Network Storage	Network Storage
Alarms	Video tampering, network disconnected, IP address conflicted
Operating Conditions	30- °C to 60 °C
Power Supply	12VDC± 25%, PoE (802.3af)
Power Consumption	Max. 4 W/6 W (PoE)
IR Range	Up to 30 m
Ingress Protection	IP67



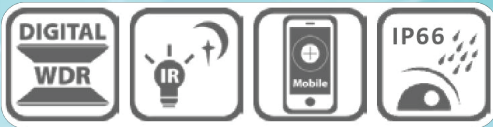
SNS-Bullet-IP-C103

3.0 MP Outdoor Bullet Camera

Main Features:

Instastream and H.264+ video encoding
DWDR, Day/Night (ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC
3.6mm, 2.8mm Lens
IR Range of 20 Mtrs, IP67, IK10
Support Starlight Technology

Feature	Specification
Image Sensor	Industrial grade
Minimum Illumination	0.005 Lux@F1.6 (Color,30IRE) 0.0005 Lux@F1.6 (B/W,30IRE) 0 Lux (Illuminator on)
S/N Ratio	56<dB
Lens	3.6mm; 2.8mm
Shutter Speed	Auto/Manual, 1/3 s-1/100000 s
Gain Control (AGC)	Auto/Manual
Iris	Fixed
Lens Type	Fixed-focal
Close Focus Distance	2.8 mm: 0.7 m ; 3.6 mm: 1.3 m
Angle of View	2.8 mm: Horizontal 96° × Vertical 70° × Diagonal 128° 3.6 mm: Horizontal 79° × Vertical 57° × Diagonal 104°
Motion Detection	OFF/ON 4) areas, rectangular)
Resolution	3M 2048) × 1536); 1080p 1920) × 1080); 720p (1280 × 720); D1 704) × 576/704 × 480); CIF 352) × 288/352 × 240); 640 × 480 (VGA)
Video Compression	Instastream; Smart H.264+; H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Ingress Protection	IP67



SNS-Bullet-IP-C104

3.0 MP Outdoor Bullet Camera

Main Features:

120dB WDR, 3D DNR
Triple streams
On-board storage, up to 128GB
Smart Focus: Motorized VF lens (-Z)
Smart VQD
Smart Facial Detection

Feature	Specification
Image Sensor	2.54cm (1/3inch) Progressive Scan CMOS
Shutter Speed	Support
Minimum Illumination	0.01 Lux @ (F1.2, AGC ON), 0 lux with IR 0.014 Lux @ (F1.4, AGC ON), 0 lux with IR
Shutter Speed	Support
Lens	No -Z: 2.8-12mm @ F1.4, angle of view: 91.2-28.3° 8-20mm @ F1.6, angle of view: 33.2°13.8°(optional) -Z: 2.8-12mm @ F1.4, angle of view: 91.2-28.3° 8-32mm @ F1.4, angle of view: 26°8.54°(optional)
Auto-iris	DC drive
Day & Night	IR cut filter with auto switch
IR cut filter with auto switch	3D DNR
Video Compression	Video Compression
Audio Compression	G.711/G.722.1/G.726/MP2L2
Max. Resolution	2048x1536
Image Setting	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser
Network Storage	NAS (Support NFS,SMB/CIFS)
Operating Conditions	30- °C – 60 °C
Power Consumption	Max. 11.5 W -Z/-H: Max. 12.5W
Ingress Protection	IP66



SNS-AHD-50IB42-VF

5.0MP AHD Outdoor Weatherproof Camera

Main Features:

1/2.8" HD-CMOS
IR Bullet Varifocal Camera
5MP Resolu"on @ (2560x1920)P
2.8~12mm Varifocal Lens
42-IR LED / up to 40-50Mtr.

Feature	Specification
Image Sensor	1/2.8" HD-CMOS
Resolution	PAL/NTSC: 2560x1920P
Minimum Illumination	0.1 Lux (Color/Day) 0Lux (B/W)
Shutter Type	1/50(1/60)s~1/100,000s
Camera Pixel	5.0MP (2560x1920P)
White Balance	Auto tracking white balance
OSD Function	Optional
Lens Furnished	2.8~12mm Varifocal Lens
Lens Type	HD Lens / IR cut filter
Gain Control	Auto
3D-DNR	Auto
IR Led / IR distance	42-IR LED / up to 40-50Mtr
Video Output	AHD-BNC
Power Source	12VDC+10%
Current Drawn	550mA (Max.)
Operating Temperature	10-°C to 55+°C



SNS-AHD-50AR-A6

5.0MP AHD Outdoor Weatherproof Camera

Main Features:

1/2.8" HD-CMOS
IR Bullet Big Array Camera
5MP Resolution @
(2560x1920)P
CS Lens 8mm
6-IR Big Array LED / up to
80-100Mtr

Feature	Specification
Image Sensor	1/2.8" HD-CMOS
Resolution	PAL/NTSC: 2560x1920P
Minimum Illumination	0.1 Lux (Color/Day) 0Lux (B/W)
Shutter Type	1/50(1/60)s~1/100,000s
Camera Pixel	5.0MP (2560x1920P)
White Balance	Auto tracking white balance
OSD Function	Optional
Lens Furnished	CS Lens 8mm
Lens Type	HD Lens / IR cut filter
Gain Control	Auto
3D-DNR	Auto
IR Led / IR distance	6-IR Big Array LED / up to 80-100Mtr
Video Output	AHD-BNC
Power Source	12VDC+10%
Current Drawn	1600mA (Max.)
Operating Temperature	10-°C to 55+°C



SNS-IP-508AR-A6

5.0MP IP Outdoor Weatherproof Camera

Main Features:

1/2.8" SONY CMOS
IR Bullet Big Array Camera
5.0MP Resolu"on @ (2592x1944)P
CS Lens 8mm
6-IR Big Array LED / up to 80-100Mtr.
PoE Optional
H.265 / H.265+ Supported

Feature	Specification
Image sensor	1/2.8" SONY CMOS
Video compression	H.265/H.265+ Video compression. Support dual stream
Minimum illumination	0.5 Lux; 0Lux with IR on
Shutter type	Auto/Manual, 1/3(4) ~ 1/10,000s
Frame rate	5.0MP@15fps
White balance	Auto
P2P	Supported
Lens mount	CS Lens 8mm
Image output	Mainstream:2592x1944@1-15fps/Substream: 640x360@1-15fps
ONVIF	Yes
Network interface	1RJ45 Ethernet interface
IR Led / IR distance	6-IR Big Array LED / up to 80-100Mtr.
Network function	Free client software
Power supply	12VDC / 2A
Current drawn	1600mA (Max.)
Working condition	10-°C to 55+°C 32)°F-133°F) , 10% - 90%PH



SNS-AHD-50IBM36

5.0MP AHD Outdoor Weatherproof Camera

Main Features:

1/2.8" HD-CMOS
IR Bullet Camera
5MP Resolution @ (2560x1920)P
3.6mm HD Lens 6)mm, 8mm
Optional)
36-IR LED's / up to 20-30Mtr



Feature	Specification
Image Sensor	1/2.8" HD-CMOS
Resolution	PAL/NTSC: 2560x1920P
Minimum Illumination	0.1 Lux (Color/Day) 0Lux (B/W)
Shutter Type	1/50(1/60)s~1/100,000s
Camera Pixel	5.0MP (2560x1920P)
White Balance	Auto tracking white balance
OSD Function	Optional
Lens Furnished	3.6mm MP HD Lens
Lens Type	HD Lens / IR cut filter
Gain Control	Auto
3D-DNR	Auto
IR Led / IR distance	36-IR LED's / up to 20-30Mtr..
Video Output	AHD-BNC
Power Source	12VDC+10%
Current Drawn	500mA (Max.)
Operating Temperature	10-°C to 55+°C



SNS-IP-508IBM36

5.0MP IP Outdoor Camera

Main Features:

1/2.8" SONY CMOS
IR Bullet Camera
5.0MP Resolution @
(2592x1944)P
3.6mm HD Lens 6)mm, 8mm
Optional)
36-IR LED / up to 20-30Mtr.
PoE Optional
H.265 / H.265+ Supported



Feature	Specification
Image Sensor	1/2.8" SONY CMOS
Video Compression	H.265/H.265+ Video compression. Support dual stream
Minimum Illumination	0.5 Lux; 0Lux with IR on
Shutter Type	Auto/Manual, 1/3(4) ~ 1/10,000s
Frame Rate	5MP@15fps
White Balance	Auto
P2P	Supported
Lens Mount	3.6mm MP HD Lens
Image Output	Mainstream:2592x1944@1-15fps/Substream: 640x360@1-15fps
ONVIF	Yes
Network Interface	1RJ45 Ethernet interface
IR Led / IR Distance	36-IR LED / up to 20-30Mtr.
Network Function	Free client software
Power Supply	12VDC / 2A
Current Drawn	500mA (Max.)
Working Condition	10-°C to 55+°C 32)°F-133°F) , 10% - 90%PH



SNS-AHD-50ID-AR6

5.0MP AHD Indoor Camera

Main Features:

1/2.8" HD-CMOS
IR Dome Camera
5MP Resolution @
(2560x1920)P
3.6mm HD Lens 6)mm, 8mm
Optional)
6-Array IR LED / up to 20-
30Mtr.



Feature	Specification
Image Sensor	1/2.8" HD-CMOS
Resolution	PAL/NTSC: 2560x1920P
Minimum Illumination	0.1 Lux (Color/Day) 0Lux (B/W)
Shutter Type	1/50(1/60)s~1/100,000s
Camera Pixel	5.0MP (2560x1920P)
White Balance	Auto tracking white balance
OSD Function	Optional
Lens Furnished	3.6mm MP HD Lens
Lens Type	HD Lens / IR cut filter
Gain Control	Auto
3D-DNR	Auto
IR Led / IR distance	6-IR Array LED / up to 20-30Mtr.
Video Output	AHD-BNC
Power Source	12VDC+10%
Current Drawn	500mA (Max.)
Operating Temperature	10-°C to 55+°C



SNS-IP-508ID-AR6

5.0MP IP Indoor Camera

Main Features:

1/2.8" SONY CMOS
IR Dome Camera
5.0MP Resolu_x001D_on @
(2592x1944)P
3.6mm HD Lens 6)mm, 8mm Optional)
3-Array LED / up to 20-30Mtr.
PoE Op_x001D_onal
H.265 / H.265+ Supported

Feature	Specification
Image Sensor	1/2.8" SONY CMOS
Video Compression	H.265/H.265+ Video compression. Support dual stream
Minimum Illumination	0.5 Lux; 0Lux with IR on
Shutter Type	Auto/Manual, 1/3(4) ~ 1/10,000s
Frame Rate	5MP@15fps
White Balance	Auto
P2P	Supported
Lens Mount	3.6mm MP HD Lens
Image Output	Main stream:2592x1944@1-15fps/Sub stream: 640x360@1-15fp
ONVIF	Yes
Network Interface	1RJ45 Ethernet interface
IR Led / IR Distance	3-Array LED / up to 20-30Mtr.
Network Function	Free client software
Power Supply	12VDC / 2A
Current Drawn	500mA (Max.)
Working Condition	10-°C to 55+°C 32)°F 133°F) 10% 90%PH



SNS-AHD-IR-12CWS

5.0MP IP Outdoor Camera

Main Features:

Night Vision (IR Range up to 50 meters)
Extra Wide Field of View (HFOV 106° – 32°)
Better Images even in Low Light
Optimised Storage with H.265, H.264, MJPEG Video Compression

Feature	Specification
Image Sensor	Sony STARVIS Back-Illuminated CMOS Sensor
Video Compression	H.265, H.264, MJPEG Video Compression
Minimum Illumination	Back Illuminated Image sensor (STARVIS Series)
Dimensions	Diameter Φ158 x Length 134
Night Vision	IR Range up to 50 meters
Extra Wide Field of View	HFOV 106° – 32°
Sensor Type and Size	1/2.8" SONY – CMOS 5MP Active Pixel Progressive Scan, Back Illuminated Image sensor (STARVIS Series)
Focal Length	2.8mm-12mm
Field of View (FOV)	HFOV (degrees) 106-32° VFOV (degrees) 73-23° DFOV (degrees) 142-39°
IR Range	Up to 50m



SNS-IP-DOME-101

8MP 4K IP IR Dome Camera

Main Features:

1/2.8" 8Megapixel PS CMOS Image Sensor 0.9071) centimeters)
Instastream/ H.265/ Smart
H.264+/H.264 triple-stream encoding
Support Starlight Technology
WDR(120dB), Day/Night (ICR), 3D-DNR, ROI, AWB, AGC, BLC, HLC
2.7mm- 13.5mm Motorized Lens



Feature	Specification
Image Sensor	1/2.8" 8Megapixel progressive CMOS 0.9071) centimeters)
Effective Pixels	3840 (H) × 2160 (V)
Minimum Illumination	0.007 Lux@F1.5 (Color, 30IRE) 0.0007 Lux@F1.5 (B/W, 30IRE) 0 Lux (IR on)
S/N Ratio	56<dB
Shutter Speed	Auto/Manual, 1/3~1/100000s
Lens	2.7mm~13.5mm Motorized
Gain Control (AGC)	Auto/Manual
Video Streaming	Main stream: 3840 × 2160 1)@-20 fps by default) 3840 × 2160 1)@-25/30 fps when AI function disabled) sub stream: 704 × 576 1)@-25 fps)/704 × 480 @ 1)-30 fps) third stream: 1920 × 1080 1)@-25/30 fps)
Motion Detection	Off/On 4) Zone, Rectangle)
Smart Detection	Tripwire; intrusion
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Dimension	88.9 mm × Φ122 mm



SNS-IR-Bullet-102

8 MP AI IR Bullet Camera

Main Features:

1/1.8" 8MP PS CMOS Image Sensor 1.411) cm)
 Max. outputs
 8MP(3840×2160)@25fps/30fps
 Instastream/H.265/Smart H.264+/H.264 coding
 Five streams for three-channel HD video
 WDR(120dB), Day/Night (ICR), 3D-DNR, EIS, Defog, ROI, AWB, AGC, BLC, HLC
 8mm~ 32mm Motorized lens



Feature	Specification
Image Sensor	1/1.8" 8Megapixel Progressive CMOS 1.411) cm)
Effective Pixels	3840 (H) × 2160 (V)
Minimum Illumination	0.005 Lux@F1.6 (Color, 30IRE) 0.0005 Lux@F1.6 (B/W, 30IRE) 0 Lux (IR on)
S/N Ratio	56<dB
Shutter Speed	Auto/Manual, 1/3~1/100000s
Lens	8~32 mm motorized Lens
Gain Control (AGC)	Auto/Manual
Video Streaming	Main Stream: 3840 × 2160 1)-25/30 fps) Sub stream: 704 × 576 1)-25fps);704 × 480 1)-30fps) Third stream: 1920 × 1080 1)-25/30 fps) Fourth stream: 1920 × 1080 1)-25/30 fps) Fifth stream: 704 × 576 1)-25fps);704 × 480 1)-30fps)
Motion Detection	OFF/ON 4) areas, rectangular)
Face Recognition	There are two models: General mode and counting mode. General mode: Face detection; track; snapshot; snapshot optimization; face enhancement; face exposure; face attribute extraction including 6 attributes (gender, age, glasses, expressions, mask and beard) and 8 expressions (anger, calm, happiness, sadness, disgust, surprise, confusion and fear); supports up to 5 face databases with 50,000 face pictures in total; supports non-living filtering

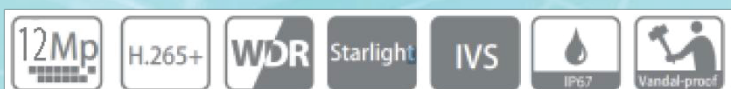


SNS-IP-DOME-103

12MP IP Dome Camera

Main Features:

1/1.7" 12MP PS CMOS Image Sensor (1.494cm)
Max. outputs 12MP(4000 × 3000)@25/30fps
Instastream/H.265/Smart H.264+/H.264 coding
Five streams for three-channel HD video
DWDR, Day/Night (ICR), 3D-DNR, Defog, ROI, AWB, AGC, BLC, HLC
2.7mm ~ 12mm Motorized lens



Feature	Specification
Image Sensor	1/1.7"12Megapixel progressive CMOS (1.494cm)
Effective Pixels	4000 (H) × 3000 (V)
Minimum Illumination	0.01 Lux@F1.8 (Color,30IRE) 0.001 Lux@F1.8 (B/W,30IRE) 0 Lux (IR on)
RAM/ROM	2GB/4GB
Shutter Speed	Auto/Manual, 1/3~1/100000s
Lens	2.7~12mm Motorized Lens
Gain Control (AGC)	Auto/Manual
Video Compression	H.265, Smart H.264+, H.264, H.264H, H.264B, MJPEG (only supported by sub stream)
Encode Strategy	Instastream
Face Recognition	There are two models: General mode and counting mode. General mode: Face detection; track; snapshot; snapshot optimization; face enhancement; face exposure; face attribute extraction including 6 attributes (gender, age, glasses, expressions, mask and beard) and 8 expressions (anger, calm, happiness, sadness, disgust, surprise, confusion and fear); supports up to 5 face databases with 50,000 face pictures in total; supports non-living filtering Counting mode: Offers advanced customer counter, filtering of specified face database, and exporting of reports before and after removing duplicate faces.

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SNS-IR-BULLET-104

12MP AI IR Network Bullet Camera

Main Features:

1/1.7" 12MP PS CMOS Image Sensor (1.494cm)
Max. outputs 12MP(4000 × 3000)@25/30fps
Instastream/H.265/Smart H.264+/H.264 coding
Five streams for three-channel HD video
DWDR, Day/Night (ICR), 3D-DNR, Defog, ROI, AWB, AGC, BLC, HLC



Feature	Specification
Image Sensor	1/1.7"12Megapixel progressive CMOS (1.494cm)
Effective Pixels	4000 (H) × 3000 (V)
Minimum Illumination	0.01 Lux@F1.8 (Color,30IRE) 0.001 Lux@F1.8 (B/W,30IRE) 0 Lux (Illuminator on)
S/N Ratio	56<dB
Shutter Speed	Auto/Manual, 1/3~1/100000s
Lens	2.7~12mm Motorized Lens
Gain Control (AGC)	Auto/Manual
Video Streaming	Main stream: 4000 × 3000 1-25/30@fps; Sub stream: 704 × 576@1-25fps, 704 × 480@1-30fps Third stream: 1920 × 1080 1-25/30@fps; Fourth stream: 1920 × 1080 1-25/30@fps Fifth stream: 704 × 576 1-25@fps; 704 × 480 1-30@fps
Motion Detection	OFF/ON 4) areas, rectangular)
Face Detection	Face detection, track, priority, snapshot, Upload Optimized snapshot picture; face enhancement, face exposure, face attribute extract, 6 attributes and 8 expressions: Gender, age, glasses, expressions (anger, sadness, disgust, fear, surprise, calm, happiness and confusion), Mouth mask, beard; Face matting setting: face, single inch photo Three snapshot; methods: real-time snapshot, priority snapshot, quality priority; Face angle filter Priority time setting; Support Duration Optimal, Non-living Filtering



SNS-NVR-4CH-101

4Ch. 4K Network Video Recorder with
4PoE Port

Main Features:

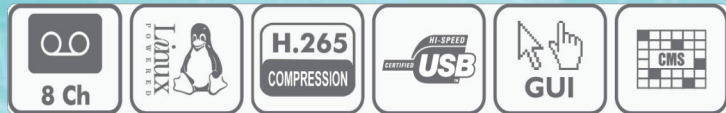
Up to 4 channel IP camera input
Max. decoding capability: 8 x
1080p@30fps. Supports adaptive
decoding
Instastream/H.265/Smart
H.264plus/H.264/MJPEG codec
decoding
Supports Mainstream cameras of ONVIF
and RTSP protocols
Support 4 PoE Ports

SNS has introduced Smart Motion Detection, AI-based SMD, which use an advanced algorithm to differentiate human and vehicular shapes within a scene and send alarms only when a person or vehicle is detected.

Feature	Specification
Processor	Industrial-grade embedded processor
IP Camera Input	4 channel
Operating System	Embedded LINUX
Operation Interface	Web/operating in local GUI
AI Search by Camera	Search for pictures by channel, time and event type
Face Attributes	6 attributes: Gender, age, glasses, expression, mouth mask, and beard
AI Search by Face Detection	Search for pictures by channel, time and face attributes
Video Output	1 × VGA output, 1 × HDMI output, supports simultaneous video sources output for VGA and HDMI
Compression	H.265/Smart H.264+/H.264/MJPEG
Encode Strategy	Instastream
Multi-screen Display	1 4/ views
Third-party Camera Access	ONVIF; RTSP

SNS-NVR-8CH-102

8Ch. AI Network Video Recorder



Main Features:

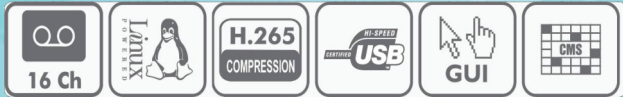
Up to 8 channel IP camera input
Max. 384 Mbps
incoming/recording/outgoing
bandwidth
Instastream/H.265/Smart
H.264+/H.264/MJPEG codec decoding
AI by recorder: 2-channel face detection
and recognition, 4-channel perimeter
protection, and 8-channel SMD Plus
Support 2 SATA HDDs up to 16TB Each,
2 USB Ports 1) USB 3.0)

The SNS Pro Series of NVRs have been meticulously designed for providing you with upgraded performance and higher recording quality in your IP video surveillance solution. The robust processor that has been inculcated in this NVR lets you enjoy 4K resolution and brings out every little detail from the picture in a clear view. This NVR is being used worldwide at a variety of places because of its easy-to-install design.

Feature	Specification
Processor	Industrial-grade processor
IP Camera Input	8 channel
Operating System	Embedded LINUX
Operation Interface	Web, Local GUI
Video Output	1-channel VGA, 1-channel HDMI video output. Heterogeneous video source output for HDMI and VGA Supports 4K display
Encode Strategy	Instastream
AI by NVR	Face detection; face recognition; perimeter protection; SMD Plus
Resolution	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1; CIF; QCIF
Face Detection Performance of AI by Recorder	2 channels (up to 12 face images/s each channel)
Human Attributes	Top color, top type, bottom color, bottom type, hat, bag, age, gender and umbrella

SNS-NVR-16CH-103

16Ch. AI Network Video Recorder



Main Features:

Up to 16 channel IP camera input
 Max. 384 Mbps incoming/ recording/ outgoing bandwidth
 Instastream/H.265/Smart
 H.264+/H.264/MJPEG codec decoding
 AI by recorder: 2-channel face detection and recognition, 4-channel perimeter protection, and 8-channel SMD Plus
 2 HDMI/ 2 VGA simultaneous video output
 Support Multi-brand network cameras
 Mobile Software: iCMOB, gCMOB
 CMS Software: KVMS Pro

The SNS Pro Series of NVRs have been meticulously designed for providing you with upgraded performance and higher recording quality in your IP video surveillance solution. The robust processor that has been inculcated in this NVR lets you enjoy 4K resolution and brings out every little detail from the picture in a clear view. This NVR is being used worldwide at a variety of places because of its easy-to-install design.

Feature	Specification
Processor	Industrial-grade processor
IP Camera Input	16 channel
Operating System	Embedded LINUX
Operation Interface	Web, Local GUI
Video Output	2-channel VGA, 2-channel HDMI video output. Heterogeneous video source output for HDMI1 and HDMI2 Simultaneous video source output for VGA1 and HDMI1 Simultaneous video source output for VGA2 and HDMI2
Compression	H.265; Smart H.264+; H.264; MJPEG
AI by NVR	Face detection; face recognition; perimeter protection; SMD Plus
AI by Camera	Face detection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); perimeter protection; SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map
Resolution	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1; CIF; QCIF
Face Attributes	Gender; age group; glasses; expressions; face mask; beard

SNS-NVR-32CH-104

32Ch. 4K AI Network Video Recorder



Main Features:

Up to 32 channel IP camera input
Max. 1024/1024/800Mbps
incoming/recording/outgoing bandwidth
Instastream/H.265/Smart
H.264+/H.264/MJPEG/MPEG4 codec decoding
AI by NVR: 4-channel face detection and
recognition; 8-channel metadata; 24-channel
perimeter protection; 32-channel SMD Plus
Support 8 SATA HDDs up to 16TB Each, 4 USB
Ports 2) USB 3.0)



Feature	Specification
Processor	Industrial-grade processor
IP Camera Input	32 channel
Operating System	Embedded LINUX
Operation Interface	Web, Local GUI
Video Output	2-channel VGA, 4-channel HDMI video output. Simultaneous mode: max. resolution of VGA1 and VGA2 is 1080p, max. resolution of HDMI1 and HDMI2 is 4K, max. resolution of HDMI3 is 8K, max. resolution of HDMI4 is 1080p Heterogeneous mode: Simultaneous video source output for VGA1 and HDMI1 Simultaneous video source output for VGA2 and HDMI2, max. resolution of VGA1 and VGA2 is 1080p, max. resolution of HDMI1, HDMI2 and HDMI3 is 4K, max. resolution of HDMI4 is 1080p
Compression	H.265; Smart H.264+; H.264; MPEG4; MJPEG
AI by NVR	Face detection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); SMD Plus
AI by Camera	Face detection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; object monitoring
Resolution	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1
Face Attributes	Gender; age group; glasses; expressions; face mask; beard

SNS-NVR-64CH-105

64Ch. AI Network Video Recorder



Main Features:

Max. 384 Mbps incoming/recording/outgoing bandwidth
 Instastream/H.265/Smart
 H.264+/H.264/MJPEG codec decoding
 AI by Recorder: 2-channel face detection and recognition, 4-channel perimeter protection, and 8-channel SMD Plus
 Support RAID 0/1/5/6/10
 Support N+M cluster
 Mobile Software: iCMOB, gCMOB
 CMS Software: KVMS Pro
 Support 8 SATA HDDs up to 16TB Each, 4 USB Ports 2) USB 3.0)

Feature	Specification
Processor	Industrial-grade processor
IP Camera Input	64 channel
Operating System	Embedded LINUX
Operation Interface	Web, Local GUI
Video Output	2 VGA, 2 HDMI VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous video source output for HDMI1 and HDMI2 Simultaneous video source output for VGA1 and HDMI1 Simultaneous video source output for VGA2 and HDMI2
Compression	H.265; Smart H.264+; H.264; MJPEG
AI by NVR	Face detection; face recognition; perimeter protection; SMD Plus
AI by Camera	Face detection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); perimeter protection; SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; heat map
Resolution	32MP; 24MP; 16MP; 12MP; 8MP; 5MP; 4MP; 1080p; 720p; D1; CIF; QCIF
Face Attributes	Gender; age group; glasses; expressions; face mask; beard



SNS-NVR-128CH-106

128Ch. 4K AI Network Video Recorder

Main Features:

Max. 1024/1024/800Mbps incoming/ recording/ outgoing bandwidth
Instastream/H.265/Smart H.264+/H.264/MJPEG/MPEG4 codec decoding
Support 8 SATA HDDs up to 16TB Each, 4 USB Ports 2) USB 3.0)
Support Redundant Power Supply
Mobile Software: iCMOB, gCMOB
CMS Software: KVMS Pro



Feature	Specification
Processor	Industrial-grade processor
IP Camera Input	128 channel
Operating System	Embedded LINUX
Operation Interface	Web, Local GUI
Video Output	2-channel VGA, 4-channel HDMI video output. Simultaneous mode: max. resolution of VGA1 and VGA2 is 1080p, max. resolution of HDMI1 and HDMI2 is 4K max. resolution of HDMI3 is 8K max. resolution of HDMI4 is 1080p Heterogeneous mode: Simultaneous video source output for VGA1 and HDMI1, Simultaneous video source output for VGA2 and HDMI2 max. resolution of VGA1 and VGA2 is 1080p, max. resolution of HDMI1, HDMI2 and HDMI3 is 4K max. resolution of HDMI4 is 1080p
Compression	H.265; Smart H.264+; H.264; MPEG4; MJPEG
AI by NVR	Face detection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); SMD Plus
AI by Camera	Face detection; face recognition; video metadata (human, motor vehicles, and non-motor vehicles); SMD Plus; stereo analysis; crowd distribution; people counting; ANPR; vehicle density; object monitoring
Resolution	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1
Face Attributes	Gender; age group; glasses; expressions; face mask; beard



SNS-NVR-HD-106

Ultra-HD Network Video Decoder

Main Features:

Instastream/H.265/H.264/MJPEG/MPEG4/MPEG2 video decoding
 Ultra-high decoding ability, up to 12MP
 2ch HDMI and 2ch DVI-I input, 9ch HDMI output
 Support 1/4/9/16 display split
 Support audio, alarm, bi-directional talk, RS485
 Splicing screens control for zoom/merge/roam/overlay

Feature	Specification
Processor	Embedded processor
Operating System	LINUX
Video Format	MPEG2/MPEG4/H.264/H.265/Instastream/MJPEG
Audio Format	Audio Format
Decoding Capacity Separately	Port 1,2,3- 3CH@12MP/4CH@4K/16CH@1080P/36CH@720P/48CH@D1 Port 4,5,6 - 3CH@12MP/4CH@4K/16CH@1080P/36CH@720P/48CH@D1 Port 7,8,9 - 3CH@12MP/4CH@4K/16CH@1080P/36CH@720P/48CH@D1
Total Video Decoding	9CH@12MP/12CH@4K/48CH@1080P/108CH@720P/144CH@D1
Video Output	9ch HDMI
Resolution	32 MP; 24 MP; 16 MP; 12 MP; 8 MP; 5 MP; 4 MP; 1080p; 720p; D1
Communication Interface	2 RJ45 network port (10M/100M/1000M); 3 RS232(1 DB9, 2 RJ45); 1 RS485
Power Consumption	≤70W
Working Temperature	10- °C to 55+ °C 14) °F to 131 °F)
Weight	4.83kg
Dimension	440×408×70mm(17.32 × 16.06 × 2.76 inch), (W x D x H)
Working Humidity	10~90%RH / 86~106kpa



THANK YOU!!!



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