

16 Channel 2TB NVR Storm Series Kit with 4 x 2MP (1080P) IP Bullet Cameras



NVR Features

- H.265+ / H.265 / H.264+ / H.264 / MJPEG
- Maximum 320Mbps Incoming Bandwidth
- Up to 12MP (4K) Resolution for Preview and Playback
- HDMI and VGA Simultaneous Video Outputs
- Supports UPnP IP Cameras
- 16 PoE Ports Available
- 3D Intelligent Positioning

Camera Features

- 1/2.7" 2 Megapixel Progressive Scan CMOS
- H.265+ & H.264+ Dual-Stream Encoding
- Maximum 25/30FPS at 1080P (1920 × 1080)
- DWDR, Day/Night (ICR), AWB, AGC, BLC
- Multiple Network Monitoring: Web Viewer, STORM VMS
- 2.8mm Fixed Lens
- Maximum Length of IR LEDs: 30m
- IP67, PoE
- Outdoor / Indoor
- Supports Corridor Mode

Technical Specifications

INS161624KN



System	
Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX
Video & Audio	
IP Camera Inputs	16 channels
Two-way Audio	1 channel input, 1 channel output, RCA
Display	
Interface	1 HDMI, 1 VGA
Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768
Multi-screen display	1 / 4 / 8 / 9 / 16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Recording	
Compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Resolution	12MP / 8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 720P / D1 & etc.
Recording Rate	320Mbps
Bit Rate	16Kbps - 20Mbps per channel
Recording Mode	Manual, Schedule(Regular (continuous), MD, Alarm), Stop
Recording Interval	1 - 120 min (60 min by default), Pre-record: 1 - 30 sec, Post-record: 10 - 300 sec
Video Detection & Alarm	
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 x 18), Video Loss and Camera Blank
Alarm Inputs	4 channels, Low Level Effective, Green Terminal Interface
Relay Outputs	2 channels, NO/NC Programmable, Green Terminal Interface
Playback & Backup	
Sync Playback	1 / 4 / 9 / 16
Search Mode	Time / Date, Alarm, MD and Exact Search (accurate to second)
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

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Technical Specifications

INS161624KN



Network	
Interface	1 RJ-45 Port (10/100/1000Mbps)
Ethernet port	1 Independent 1000Mbps Ethernet Port
PoE	16 ports (IEEE802.3at/af); Max 25.5W for single port, 130W in total
Network Functions	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support STORM IP camera, DVR, NVS, etc.)
Maximum user access	128 users
Smart Phone	iPhone, iPad, Android
Storage	
Internal HDD	2 SATA III Ports, Up to 8 TB capacity for each HDD
Auxiliary Interface	
USB	2 USB Ports (1 Rear USB 3.0 - 1 Front USB 2.0)
RS232	1 Port
RS485	N/A
General	
Power Supply	Single, AC 100 - 240V, 50 - 60 Hz
Power Consumption	Less than 15.2W (without HDD)
Working Environment	-10°C to 55°C (14°F to 131°F), 86 - 106kpa
Dimension (WxDxH)	1U, 375mm x 327.5mm x 53mm
Weight	2.7kg (6.0 lb) (without HDD)

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Technical Specifications

INSBO2IRF



Camera					
Image Sensor	1/2.7" 2 Megapixel progressive CMOS				
Effective Pixels	1920(H) x 1080(V)				
RAM/ROM	256MB / 32MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s				
Minimum Illumination	0.08 Lux / F2.0 (Color, 1/3s, 30IRE) 0.3 Lux / F2.0 (Color, 1/30s, 30IRE) 0 Lux / F2.0 (IR on)				
S/N Ratio	More than 50dB				
IR Distance	Distance up to 30m (98ft)				
IR LEDs	18				
Camera Features					
Day/Night	Auto(ICR) / Color / B/W				
Backlight Compensation	BLC / HLC / DWDR				
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual				
Gain Control	Auto / Manual				
Noise Reduction	3D DNR				
Digital Zoom	16x				
Privacy Masking	4 Areas				
Lens					
Lens Type	Fixed				
Mount Type	Board-in				
Focal Length	2.8 mm				
Max. Aperture	F2.0				
Viewing Angle	H: 104°, V:55°				
Optical Zoom	N/A				
Focus Control	Fixed				
Pan/Tilt/Rotation	Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°				
DORI	Lens	Detect	Observe	Recognize	Identify
Distance	2.8mm	40m (131ft)	16m (52ft)	8m (26ft)	4m (13ft)
Video					
Compression	H.265+ / H.264+ / MJPEG				
Resolution	1080P (1920x1080) / 1.3MP (1280x960) / 720P (1280x720) / D1 (704x576 / 704x480) / VGA (640x480) / CIF (352x288 / 352x240)				
Frame Rate	Main Stream: 1080P (1~25/30fps)				
	Sub Stream: D1 (1~25/30fps)				
	Third Stream: N/A				
Bit Rate	H.265: 12K ~ 6400Kbps H.264: 32K ~ 10240Kbps				

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Technical Specifications

INSBO2IRF



Audio	
Compression	N/A
Intelligent Functions	
IVS	Tripwire, Intrusion
Adv. Intelligent Functions	N/A
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; RTCP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4v6; QoS; UPnP; NTP; Bonjour; IEEE 802.1x; Multicast; ICMP; IGMP; TLS
Compatibility	ONVIF Profile S&G, API
Maximum User Access	10 Users / 20 Users
Smart Phone	iOS, Android
Interface	
Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A
General	
Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	< 5.5W
Working Environment	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Protection	N/A
Dimensions	Φ 70mm × 164.7mm (2.76" x 6.49")

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