

16 Channel 2TB NVR Storm Series Kit with 4 x 2MP (1080P) IP Dome 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 CMOS
- 25/30FPS at 2MP (1920x1080)
- Day/Night (ICR), 3DNR, AWB, AGC, BLC DWDR
- 2.8 mm Fixed Lens
- Maximum Length of IR LEDs: 30m
- H.265 and H.264 Dual-Stream Encoding
- IP67, IK10, DC12V

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

INSDO2IRF



Camera					
Image Sensor		1/2.7" 2Megapixel progressive scan CMOS			
Effective Pixels		1920(H) x 1080(V)			
RAM/ROM		256MB/32MB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto/Manual, 1/3(4)~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 On/Off Control		Auto/ Manual			
IR LEDs		24			
Camera Features					
Day/Night		Auto(ICR) / Color / B/W			
Blacklight Compensation		BLC / HLC / DWDR			
White Balance		Auto / Natural / Street Lamp / Outdoor / Manual			
Gain Control		Auto / Manual			
Noise Reduction		3D DNR			
Smart IR		Support			
Digital Zoom		16x			
Privacy Masking		4 Areas			
Lens					
Lens Type		Fixed			
Mount Type		Board-in			
Focal Length		2.8mm			
Max. Aperture		F2.0			
Viewing Angle		H: 104°, V: 55°			
Focus Control		Fixed			
Pan/Tilt/Rotation		Pan: 0°~355°; Tilt: 0°~65°; Rotation: 0°~355°			
DORI	Lens	Detect	Observe	Recognize	Identify
Distance	2.8mm	40m(131ft)	16m(59ft)	8m(26ft)	4m(13ft)

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Technical Specifications

INSDO2IRF



Video	
Compression	H.265+ / H.264 / H.264H / MJPEG(Sub Stream)
Resolution	1080P (1920×1080) / 1.3MP (1280×960) / 720P (1280×720) / D1 (704×576 / 704×480) / VGA (640×480) / CIF (352×288 / 352×240)
Frame Rate	1080p (1 ~ 25/30fps)s)
	D1/CIF(1 ~ 25/30fps)
Bit Rate	H.265: 12K ~ 6400Kbps; H.264: 32K ~ 10240Kbps
Audio	
Compression	N/A
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; RTCP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; 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	iPhone, iPad, Android Phone
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	IK10
Dimensions	Φ 109.9mm × 81mm (4.33" × 3.19")

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