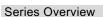


PIX-NVR087P2

8CH Compact 1U 8PoE 1HDD Lite Network Video Recorder



- Supports Smart H.265+, H.265, Smart H.264+, H.264 and MJPEG decoding formats.
- Max. decoding capability: 8 x 1080p@30 fps.
- Max. 160/160/80 Mbps incoming/recording/outgoing bandwidth.
- · Supports IP cameras with a resolution up to 12 MP.
- · Al by Recorder supports 4-channel SMD Plus.
- · Al by Camera supports face detection and recognition, perimeter protection, SMD Plus, people counting, stereo analysis and heat
- Supports EPTZ, and one-click arming and disarming.



The NVR087P2 model of the Lite Series NVR is favored for its outstanding performance. It supports 4K resolution for scenes that require highly detailed images, and can serve as the edge, central, or backup storage with an intuitive shortcut menu for remote management and control. This NVR also features Smart Motion Detection (SMD) by recorder, which can distinguish target vehicles and humans from ordinary ones in real-time. When an IPC is connected to the NVR, a variety of Al functions become available such as face detection, perimeter protection, and people counting. This NVR is both cost-effective and easy-to-install, making it ideal for a wide range of applications such as for cities, transportation, education and finance.

Functions

SMD Plus

With intelligent algorithm, Pixvideo Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

Face Detection by Camera

Face detection is to detect if there is any human face appearing in the video. This technology adopts a deep learning algorithm to support face detection, tracking, optimization and capturing, and then output the best face snapshot.

Face Recognition by Camera

Pixvideo Face Recognition technology extracts the features of captured faces and compares them with that in face database













Perimeter Protection by Camera

Automatically filters out false alarms caused by animals, rustling leaves, bright lights, etc. Enables system to act secondary recognition for the targets. Improves alarm accuracy.

Stereo Analysis by Camera

With deep learning algorithm and 3-dimensional scene information, Pixvideo Stereo Analysis technology recognize people's behaviors, such as fall detection, violence detection, stay detection, and space exception, and then generates alarm signals and triggers linkage.

Heat Map by Camera

Pixvideo heat map technology is used to display the crowd density and people appearance probability. Export and display the crowd status by different colors. Generally, the crowd status is the statistics of people quantity in space and time dimensions.



PIX-NVR087P2

Septem				
Main Processor	Technical Specification	on	Third-party Camera Access	
Main Processor Main Indiantial grade processor Video Compression Smart N.265; N.265, Smart N.264; N.264 Network Audio Compression C711s, G.71s, PCA; G.766 Network Audio Compression C711s, G.71s, PCA; G.766 Network Audio Compression C711s, G.71s, PCA; G.766 Network Network Network Network Protection Sah Plus; paragle counting; sterios analysis; heat may Main Indiantification Sah Plus; paragle counting; sterios analysis; heat may Network Protection Network Network Protection Network	System		Compression Standa	rd
Operating Interface Web, Local GUI All Workorder All by Recorder SMD Plus SMD Plus SMD Plus SMD Plus SMD Plus SMD Plus Perimeter Protection SMD Plus people counting, stence analysis; heart map: Perimeter Protection SMD Plus people counting, stence analysis; heart map: Perimeter Protection SMD Plus people counting, stence analysis; heart map: Perimeter Protection Sectionals Schannels Sc	Main Processor	Industrial-grade processor		
Operating Interface All All All All All All All All All Al	Operating System	Embedded Linux		
All by Recorder SMD Plus Face defection, face recognition, perimeter protection, subtracting from the protection, subtracting from the protection of the p	Operating Interface	Web, Local GUI	Park to the control of	
Alby Kamera Alby Camera Alby C	Al		Network	LITTO: LITTO: TCO/ID: ID.A: ID.C: LIDD: NTO: DUCO: DAIS:
Mobile Phone Access (ICS, Android Phone Access (ICS, Android Phone Access (ICS, Android Phone Performance of Alby Camera (Number of Channels) Face Detection	Al by Recorder		Network Protocol	SMTP; UPnP; IP Filter; FTP; DDNS; SNMP; Alarm Server; P2P; Auto Registration; IP Search (Supports IP camera,
Perimeter Protection Perimeter Performance of AL by Camera (furmber of Channels) Face Detection Face Attributes Gender, age group; glasses; expressions, face mask; Pace Detection Face Attributes Gender, age group; glasses; expressions, face mask; Pace Detection Face Attributes Gender, age group; glasses; expressions, face mask; Pace Detection Face Attributes Gender, age group; glasses; expressions, face mask; Pace Detection Face Recognition Fac	Al by Camera		Mahila Phana Assass	
Perimeter Performance of Al Mys Camers (Number of Channels) Face Detection Face Detection Face Detection Face Detection Face Attributes beard group, glasses, expressions, face mask; beard group, glasses, group, glasses, expressions, face mask; beard group, glasses, group, glasses, expressions, face mask; beard group, glasses, gr	Perimeter Protection			
Recording Playback Face Detection Face Attributes Gender, age group, glasses, expressions, face mask; beard Face Detection Face Attributes Gender, age group, glasses, expressions, face mask; beard Face Detection Face Recognition Face Recognitio		6 channels		
Face Detection Face Attributes Gender, age group, glasses, expressions, face mask; band Gender, age group, glasses, expressions, face mask; band Gender, age group, glasses, expressions, face mask; band Gender All Mode General, motion detection, includingent, alarm Face Detection Face Detection Face Recognition Face Recognition Face Recognition Face Recognition Face Recognition For Imman and Mode General Alarm Motion detection; privacy masking; uideo loss; scene changing; PR alarm, PC esternal alarm output, seeps on commentation, scraps perior, disk fall; Pc conflict, MAC conflict, login locked; and cyberascurity exception SMD Plus Achannels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change SMD Plus by Cereir Audio and Video Access Channel Schannels Addiaded: 160 Mbps incoming, 160 Mbps recording and SOMps recording and SOMps outgoing All diabled: 160 Mbps incoming, 160 Mbps recording and SOMps outgoing All diabled: 30 Mbps incoming, 160 Mbps recording and SOMps outgoing All diabled: 30 Mbps incoming, 160 Mbps recording and SOMps outgoing All diabled: 30 Mbps incoming, 160 Mbps recording and SOMps outgoing All diabled: 30 Mbps incoming, 160 Mbps recording and SOMps outgoing All diabled: 1-Mbranel 12 MPs 30 fps; 2-channel 4 MPs 30 fps; 3-charnel 5 MPs 30 fps; 2-channel 4 MPs 30 fps; 3-charnel 180 Mps 30 fps; 2-channel 4 MPs 30 fps; 3-charnel 180 Mps 30 fps; 2-channel 4 MPs 30 fps; 3-charnel 180 Mps 30 fps; 2-channel 4 MPs 30 fps; 3-charnel 180 Mps 30 fps; 2-channel 4 MPs 30 fps; 3-charnel 180 Mps 30 fps; 2-channel 4 MPs 30 fps; 3-charnel 180 Mps 30 fps; 2-channel 4 MPs 30 fps; 3-charnel 180 Mps 30 fps; 2-channel 4 MPs 30 fps; 3-charnel 180 Mps 30 fps; 3-channel 4 MPs 30 fps; 3-charnel 180 Mps 30 fps; 3-channel 4 Mps 30 fps; 3-charnel 180 Mps 30 fps; 3-channel 4 Mps 30 fps; 3-charnel 40 Mps 30 fps; 3-channel 4 Mps 30 fps; 3-charnel 50 Mps 30 fps; 3-channel 4 Mps 30 fps; 3-charnel 50 Mps 30 fps; 3-c				Chrome; IE; Satari; Edge; Firetox
Multi-channel Playback Gender, age group, glasses, expressions, face mask; beard Gender all Mode General motion detection, intelligent, alarm All arm General Alarm General Alarm Motion detection, grivacy masking, video loss; scene changing, Pik alarm, PC external alarm Camera Roumber of Channels Channels SMD Plus A channels SMD Plus by Recorder A channels Secondary filtering for human and motor vehicle, end-one plain alarms caused by leaves, rain and lighting condition draing SMD Plus by Recorder A channels SMD Plus by Recorder A channels SMD Plus by Recorder A channels SAD Plus by Recorder A channels SAD Plus by Recorder A channels Shown and the control of the channels A channels Camera disconnection, storage error, disk fall, proceeding and so flow p			Recording Playback	
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Face Recognition Face R	Face Attributes		Record Mode	General, motion detection; intelligent; alarm
Camera (Number of Channels) Face Recognition F			Backup Method	USB device and network
Face Recognition Face R	Camera (Number of	6 channels	Playback Mode	
Face Recognition Performance of Al by Camera (Number of Channels) SMD Plus 4 channels: Secondary, filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change 5MD Plus by Recorder vehicle, reducing false alarms caused by leaves, rain and lighting condition change 5MD Plus by Camera 6 channels 5MD Plus by Camera 6 channels Addio and Video Access Channel 8 channels Addio Input 1-channel RCA Audio Input 1-channel RCA Audio Output 1-channel RCA Alarm Output 1-channel RC	Face Recognition		Alarm	
Camera (Number of Channels) Anomaly Alarm Camera disconnection, storage error, disk full; IP conflict, MAC conflict, login locked; and cybersecurity exception SMD Plus 4 channels: Secondary filtering for human and motor wehicle, reducing false alarms caused by leaves, rain and lighting condition change SMD Plus by Recorder 4 channels: Secondary filtering for human and motor wehicle, reducing false alarms caused by leaves, rain and lighting condition change SMD Plus by Camera 4 channels 6 channels Audio and Video Access Channel 8 channels Al disabled: 160 Mbps incoming, 160 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps outgoing Al enabled: 50 Mbps incoming, 80 Mbps recording and Sol Mbps incoming and Sol Mbps incoming and Sol Mbps and Sol M	Face Recognition Performance of Al by Camera (Number of	6 channels	General Alarm	
SMD Plus by Recorder A channels Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change A channels			Anomaly Alarm	conflict; MAC conflict; login locked; and cybersecurity
A channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change Alarm Linkage Record; snapshot; IPC external alarm output; audio; buzzer, log; preset, email	SMD Plus		10	Face detection; face recognition; perimeter protection;
SMD Plus by Camera 6 channels Port	SMD Plus by Recorder	vehicle, reducing false alarms caused by leaves, rain and		
Audio and Video Access Channel 8 channels Al disabled: 160 Mbps incoming, 160 Mbps recording and 80 Mbps outgoing Al enabled: 80 Mbps incoming, 80 Mbps recording and 80 Mbps outgoing Al enabled: 80 Mbps incoming, 80 Mbps recording and 80 Mbps outgoing Al enabled: 80 Mbps incoming, 80 Mbps recording and 80 Mbps outgoing Al enabled: 90 Mbps outgoing Al enabled: 90 Mbps incoming, 80 Mbps recording and 80 Mbps outgoing Al enabled: 1-channel 12 VI A output is optional) Alarm Output NA (1-channel 12 VI A output is optional) NA (2 channels is optional) NA (1-channel 12 VI A output is optional) NA (1-channel 12 VI A out	CAAD Blue bu Commen		Alarm unkage	buzzer; log, preset; email
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Network Bandwidth Al disabled: 160 Mbps incoming, 160 Mbps recording and 80 Mbps outgoing Al enabled: 80 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing Al enabled: 80 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing Resolution Total output is optional) Alarm Input NA (2 channels Is optional) Alarm Output NA (1-channel 12 V 1 A output is optional) Alarm Output NA (1-channel 12 V 1 A output is optional) Disk Interface 1 SATA port. Each disk can contain up to 20 TB. This limit varies depending on the environment temperature. USB 2 (1 front USB 2.0 port, 1 rear USB 2.0 port) MP@ 30 fps; 3-channel 12 MP@30 fps; 4-channel 4 MP@30 fps; 4-channel 4 MP@30 fps; 3-channel 4 MP@30 fps; 3-channel 4 MP@30 fps; 3-channel 5 MP@30 fps; 3-channel 8 MP@30 fps; 3-channel 1080p@30 fps Al enabled: 1-channel 12 VP MP@30 fps; 4-channel 4 MP@30 fps; 4-channel 4 MP@30 fps; 3-channel 4 MP@30 fps; 3-channel 5 MP@30 fps; 3-channel 8 MP@30 fps; 3-channel 4 M	Audio and Video		Audio Input	1-channel RCA
Network Bandwidth All enabled: 30 Mbps outgoing All enabled: 30 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing All enabled: 30 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing All enabled: 30 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing All enabled: 30 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing All enabled: 30 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing All enabled: 30 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing All enabled: 30 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing All enabled: 30 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing All enabled: 30 Mbps incoming, 80 Mbps recording and 60 Mbps incoming, 80 Mbps, 960p;	Access Channel	8 channels	Audio Output	1-channel RCA
All enabled: 80 Mbps incoming, 80 Mbps recording and 60 Mbps outgoing		and 80 Mbps outgoing Al enabled: 80 Mbps incoming, 80 Mbps recording and	Alarm Input	NA (2 channels is optional)
Resolution 12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 960p; 720p; D1; CIF; QCIF 20F 20F; QCIF	Network Bandwidth		Alarm Output	NA (1-channel 12 V 1 A output is optional)
Al disabled: 1-channel 12 MP@30 fps; 2-channel 8 MP@30 fps; 3-channel 5 MP@30 fps; 4-channel 4 MP@30 fps; 3-channel 5 MP@30 fps; 4-channel 4 MP@30 fps; 8-channel 1080p@30 fps MP@30 fps; 2-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 5 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 5 MP@30 fps; 3-channel 5 MP@30 fps; 3-channel 5 MP@30 fps; 3-channel 5 MP@30 fps; 3-channel 6 MP@30 fps; 3-channel 8 VGA	Resolution	12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 960p;	Disk Interface	
Decoding Capability		Al disabled: 1-channel 12 MP@30 fps; 2-channel 8 MP@30 fps; 3-channel 5 MP@30 fps; 4-channel 4 MP@30 fps; 8-channel 1080p@30 fps Al enabled: 1-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 5 MP@30 fps; 3-channel 4	USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)
All enabled: 1-channel 12 MP@30 fps; 1-channel 8 MP@30 fps; 2-channel 5 MP@30 fps; 3-channel 4 MP@30 fps; 2-channel 5 MP@30 fps; 3-channel 4 MP@30 fps; 7-channel 1080p@30 fps			HDMI	1
MP@30 fps; 7-channel 1080p@30 fps Network Port 1 (10/100/1000 Mbps Ethernet port, RJ-45) 1 HDMI, 1 VGA Simultaneous: HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous: HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 Main Screen: 1/4/8/9	Decoding Capability		VGA	1
1 HDMI, 1 VGA Simultaneous: HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous: HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 Main Screen: 1/4/8/9 Main Screen: 1/4/8/9 Main Screen: 1/4/8/9			Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)
Video Output Vi	Video Output	Simultaneous: HDMI: 3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous: HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720	PoE Port	
Video Output VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 Heterogeneous: HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 Power Supply 53 VDC, 1.81 A Total output of NVR is <10 W(without HDD) Total output power of PoE is 72 W, the maximum output power of Multi-screen Display Main Screen: 1/4/8/9 Main Screen: 1/4/8/9			General	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
HDMI: 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720 Power Consumption Main Screen: 1/4/8/9 Main Screen: 1/4/8/9 Sub Screen: 1/4/8/9 Total output of NVR is <10 W(without HDD) Total output power of PoE is 72 W, the maximum output power of a single port is 25.5 W				52 VDC 1 91 A
WGA: 1920 × 1080, 1280 × 720 Power Consumption Power of PoE is 72 W, the maximum output power of a single port is 25.5 W Multi-screen Display Main Screen: 1/4/8/9 Sub Screen: 1/4/8/9			томы зарргу	
SUD SCIERO: 1/4/8/9	Multi-screen Display	Main Screen: 1/4/8/9	Power Consumption	power of PoE is 72 W,the maximum output power of
		Sub Screen: 1/4/8/9	Net Weight	0.92 kg (2.03 lb)



PIX-NVR087P2

Gross Weight	2.05 kg (4.52 lb)
Product Dimensions	260.0 mm × 232.5 mm × 47.6 mm(10.24" × 9.15" × 1.87") (W × D × H)
Packaging Dimensions	374 mm × 119 mm × 311 mm (14.72" × 4.69" × 12.24") (W × D × H)
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Operating Humidity	10%–93% (RH), non-condensing
Installation	Rack or desktop
Certifications	CE-EMC: EN 55032:2015+A1:2020; EN IEC 61000-3- 2:2019+A1:2021; EN 61000-3- 3:2013+A1:2019+A2:2021; EN 55035:2017+A11:2020; EN 50130-4:2011+A1:2014 CE-LVD: EN 62368-1:2014

Ordering Information				
Туре	Model	Description		
NETWORK VIDEO RECORDER	PIX-NVR087P2	8CH Compact 1U 8PoE 1HDD Lite Network Video Recorder		

Dimensions (mm[inch])

