PN1B-8X8-AI
8 Ch NVR with 8 Plug & Play Ports, 80 Mbps, 1 HD Bay, 4K

- Up to 8 Megapixel Resolution Recording
- 80 Mbps Bit Rate Input
- Smart Analytic Support
- Works with ONVIF or other supported IP cameras
- Local HDMI main monitor output with 4K Support
- Local VGA main monitor output up to 1080p
- True P2P Connectivity with QR Code Connect
- Multiple video search options including Analytic and Thumbnail Search for quick retrieval of footage
- H.265+/H.265/H.264
- Real-time display of all traffic data, abnormal temperature, mask off, block list, strangers and other data
- Real-time face capture and temperature measurement
- Real-time alarm for abnormal temperature and non-mask detection Precise face recognition with masks
- Real-time personnel information display, including name, area, temperature, mask on/off, company, etc.
- Statistics of abnormal temperature and non-mask detection in recent 24 hours or 7 days
- Statistics of abnormal attendance in recent 24 hours or 7 days
- Statistics of the people information, including staff, allow list, block list, VIP, stranger and staff counts
- Personnel records search, including the identity, detected time, temperature, location, etc.
- Face greeting view and settings via Web client
- Free Central Management Software (CMS)
- Free iOS & Android Apps for Smart Phones & Tablets

System	PN1B-8X8-AI
OS	Embedded Linux
Video	
IP Video Input	8CH IPC or IP Panel input
Incoming Bandwidth	80Mbps
Outgoing Bandwidth	80Mbps
IP Video Input Resolution	8MP/ 6MP/5MP/4MP/3MP/1080P/1280×1024/960P/ 720P/960H/D1/CIF
Output	HDMI × 1 : 3840×2160@60fps/3840×2160@30f ps/1920×1080/ 1280×1024/1024×768 VGA × 1 : 1920×1080 / 1280×1024 / 1024×768
Compression	H265+/H.265/H.264
Audio	
Network Input	8 CH IPC/IP Panel audio input
2-way Audio	RCA × 1
Local Output	RCA × 1
Compression	G.711 (A/U)
AI	
AI Device Access	8 CH
Face Picture Database	4 groups: attendance group/allow list/block list/VIP 30,000 Face Pictures
Computing Capability	180 pictures / minute
Face Picture Search	Search and playback by time/camera/event/tempera-ture/mask

Face Picture Adding	Add face pictures through APP, WEB and external import
External face picture enrollment	Resolution 128 x 128 1920 x 1080 Size ≤ 200KB Format : jpg&jpeg
Event	Allow list/block list/VIP/temperature exception alarm
Statistics	Statistical information display by day, week, month, quarter as well as customized time period in the bar graph or pie chart
Attendance	
Rule	By week/month/customization
Access Control	
Trigger Type	Staff/VIP/Allow List
Temperature Measurement	
Unit	Fahrenheit / Celsius
Statistics	Real-time Statistics/ Historical Statistics
Alarm	
Mode	Motion Detection, Sensor Detection, AI Event, Tempera-ture Exception Alarm, Mask Off
Linkage	Record, PTZ, Cruise, Alarm Out, Pop-up Window, Email, Buzzer, APP push, etc.
Record	
Record Stream	Dual stream recording
Resolution	8MP/ 6MP/5MP/4MP/3MP/1080P/1280×1024/960P/ 720P/960H/D1/CIF
Frame Rate	NTSC: 30fps; PAL:25fps
Mode	Manual, timer, motion, sensor, smart events
Playback	
Simultaneous Playback	Max 8 CH
Search	Time slice / time / event / tag search
Smart Search	Highlighted color to display the camera record in a certain period of time, different colors refers to different record events
Function	Play, pause, FF, FB, digital zoom, etc.
Decoding Capability	
Live View/ Playback	1CH 8MP / 4CH 1080P
Network	
Interface	RJ 45 1000 Mbps × 1
PoE Port	RJ 45 × 8 (IEEE802.3af; output power: ≤ 80W)
Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPs, 802.1x
Incoming Bandwidth	80Mbps
Outgoing Bandwidth	80Mbps
Mobile Device	
OS	iOS, Andriod
Storage	
HDD Interface	SATA × 1, 12TB WD/ 14TB Seagate
Backup	
Local Backup	USB, USB mobile HDD
Network Backup	Yes
Port	
RS 485	Yes (full-duplex), connect to PTZ
USB	USB 2.0 × 1, USB 3.0 × 1
Remote Controller	Included
Others	
Certificate	CE, FCC
Environment Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , Directive 94/62/EC and REACH(EC1907/2006)
Power Supply	DC48V/2.5A
Consumption	≤ 15W (without HDD and PoE power supply)
Dimensions (Inchs) (W × D × H)	11.8 × 9.8 × 1.7 (300 × 249 × 45 (MM))
Working Environment	-10 122°F (50 °C) 10% 90% humidity

Ordering Information
PN1B-8X8-AI: 8 Ch, 8 PnP Ports, 2 TB
Also available with: 4, 8, 10, 12, 14 TB

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