



16 Megapixel 256 Channel 8K NVR with 16 HDD Slots

PLC-516256H16/PM-8K

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Overview:

PLC-516256H16/PM-8K supports 256CH 16MP/12MP /8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280 × 1024 / 960P / 720P high-definition IP video input, which adopts the advanced SOC technique to ensure high-definition recording in each channel and realize outstanding robustness of the system. **PLC-516256H16/PM-8K** supports 256CH IP input, simultaneous 16 CH playback, and 8K high-definition display. So, it can meet different security requirements of home, financial, commerce, enterprise, transportation and government, etc.

Key Features:

- ✔ Supports 256 -channel IP camera up to 16MP
- ✔ Advanced video compression support H.265S
- ✔ Intuitive and user-friendly GUI with Windows-style operation
- ✔ Multiple recording modes
- ✔ Simultaneous playback support for up to 16 channels
- ✔ Powerful search options
- ✔ Face detection and face comparison support for advanced identification
- ✔ Supports multiple VCA
- ✔ Support object abandoned or missing
- ✔ Support region intrusion detection
- ✔ Support tripwire detection
- ✔ Support video exception alerts
- ✔ License Plate Recognition (LPR) supported for vehicle monitoring
- ✔ POS data overlay supported during live view and playback
- ✔ Live Preview, Recording, Playback, Backup, and Remote Access
- ✔ Supports network protocols: DHCP, DDNS, and PPPoE
- ✔ Compatible with third-party IP cameras
- ✔ Full remote management via Web Client or CMS
- ✔ Dual-stream technology enables high-definition local recording
- ✔ Supports multiple users online simultaneously
- ✔ Advanced user authorization management
- ✔ 4K ultra-high-definition video output
- ✔ Supports PTZ preset positions and auto-cruise functions
- ✔ Supports NAT function and QR code scanning for fast access
- ✔ Powerful mobile surveillance support on iOS and Android

Specifications:

Model	PLC-516256H16/PM-8K
System OS	Embedded Linux
Video IP Video Input	256CH
Video Network Bandwidth	Incoming: 768Mbps Outgoing: 768Mbps
Video Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
Video Output	HDMI1: 7680×4320@60, 7680×4320@30, 3840×2160@60, 3840×2160@30, 1920×1080, 1280×1024, 1024×768 (When the resolution of HDMI1 output is 8K, HDMI2 is unavailable) HDMI2: 3840×2160@60, 3840×2160@30, 1920×1080, 1280×1024, 1024×768 HDMI3: 1920×1080, 1280×1024, 1024×768 HDMI4: 1920×1080, 1280×1024, 1024×768 VGA×1: 1920×1080, 1280×1024, 1024×768 (VGA and HDMI1 output the same video source)
Video Multi-screen Display	Main output:1/4/6/8/9/13/16/25/32/36/64 AUX output 1:1/4/6/8/9/13/16/25/32/36 AUX output2:1/4/6/8/9/13/16 AUX output 3:1/4/6/8/9/13/16 Max. 132(64+36+16+16)
Video Compression	H.264/H.265/H.265+/H.265S
Audio Network input	256CH
Audio Local Input	RCA×1 (for two-way talk)
Audio Local Output	RCA×1
Audio HDMI Audio Output	Support
Audio Compression	G.711(U/A)
Record Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/1280x1024/960P/720P/960H/D1/CIF
Record Frame Rate	N:30fps P:25fps
Simultaneous Playback	16CH
Search	Time slice/time/event/tag/smart search
Function	Play, pause, FF, Rewind, digital zoom, previous frame, next frame, etc.
Decoding Capability Live View	1CH 16MP@30 / 4 CH 12MP (only available for main output)
Decoding Capability Playback	1CH 16MP@30 / 4CH 8MP (only available for main output)
Alarm Mode	Manual, sensor, motion, exception, smart events, etc.
Alarm Input	24CH
Alarm Output	8CH
Alarm Triggering	Record, snapshot, preset, e-mail, etc.
Face Detection Performance (AI by IPC)	256CH

Face Detection Performance (AI by Device)	4CH (4MP)
Face Match Performance	16CH
Comparison Capability	36 pictures/second
Face Picture Database	32 libraries 10000 face pictures
Face Picture Search	Search by picture is supported
Database Management	Add, modify, delete and search face pictures
Face Picture Adding	Add face pictures through APP, WEB and external import
Face Picture Comparison	Supports successful face recognition alarm and stranger match alarm
Track	Track display on a map
Statistical Graph of Information	Bar graph
Statistical Mode of Information	Statistics by day, week, month, quarter as well as customized time period
Human/Vehicle Classification (AI by IPC)	256CH
Human/Vehicle Classification (AI by Device)	8CH (2MP)
Human/Vehicle Attribute Analysis (AI by IPC)	Yes
Fisheye	Supports fisheye DE warping via NVR/Web Client/mobile APP
Plate Recognition (AI by IPC)	Yes
Network Protocol	TCP/IP, HTTP, HTTPS, 802.1x, FTP, DHCP, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IPv6, IPv4, UDP, WebSocket, PPPoE, SNMP, IGMP
Network Interface	RJ45 10/100/1000Mbps ×2
Network Client Connection	Max. 128 users' access
Mobile Device OS	iOS, Android
HDD Interface	SATA× 16 max 10TB per HDD
RAID Type	RAID0,1,5,6,10
E-SATA Interface	2
USB	USB3.0× 1 USB2.0 ×3(Front:2)
RS485	Yes (full-duplex), connect to PTZ or keyboard
RS232	Yes
Reset	Yes
Remote Controller	No
Power	ATX-275W
Consumption	≤50W (without HDD)
Dimensions	437 × 483 × 143mm
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE (2012/19/EU), Directive 94/62/EC and REACH(EC1907/2006)
Working Environment	-10~50°C; Humidity: 10%~90%

Dimensions:

