



PD1B-16NH2

16 Ch + 8 Bonus IP Ch (Up to 24 Cameras Total) Universal Port 8MP Lite Recorder with Smart Analytic Support and Smart Motion Detection, Audio over Coax

Features

- Smart Analytic Support: 1 ch
- Smart Motion Detection (SMD): 16ch
- Supports Audio over Coax (AoC - TVI Only)
- 16 Channel Universal Port DVR (TVI/AHD/CVI/Analog/IP)
- Up to 8MP Lite Support TVI/AHD/CVI: 8 MP Lite, 5 MP Lite, 4 MP Lite, 1080p, 1080p Lite, 720p, WD1
- 8 Bonus IP Channels - Up to 5 Megapixel
- Total Max IP Input: 16 (Including Bonus IPC)
- H.264/H.265/265+ Video Compression
- True P2P Connectivity with QR Code Connect
- Simultaneous HDMI/VGA up to 1080p Resolution
- CVBS Main or Spot Monitor
- Supports up to 16 Channel Simultaneous Playback
- Multiple video search options including Analytical and Thumbnail Search for quick retrieval of footage
- Watermarking
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) for PC/MAC
- NDA Compliant

Model	PD1B-16NH2
System	
OS	Embedded Linux
Video	
Analog Video Input	BNC × 16
	BNC interface (1.0Vp-p; 75Ω)
	TVI/AHD/CVI : 4K@15fps/5MP@20fps; 4MP/1080P/720P@30fps; Supports CVBS
IP Video Input	8CH (up to 16ch) Up to 5MP@30fps
Total IP Input	24CH
Output	HDMI × 1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768
	VGA × 1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768
	BNC × 1 : CVBS (used as the main or spot output)
Compression	H.264/H.265/H.265+
Multi-screen Display	1/4/6/8/9/13/16/25
Audio	
Input	RCA × 8
Output	RCA × 1 (linear, 600Ω)
Two-way audio	Take up channel one audio input
Compression	G.711(U/A)
Record	
Resolution	8MP Lite / 5MP Lite/4MP Lite / 1080P/1080P Lite/720P/WD1
Frame Rate	Analog Channel: 8MP Lite: 8fps; 5MP Lite@12fps (PAL / NTSC); 4MP Lite/1080P@12fps(PAL) / 15fps (NTSC); 1080P Lite/720P/WD1@25fps (PAL) / 30fps (NTSC) IP Channel: 25fps (PAL) / 30fps (NTSC)
Bit Rate	32Kbps ~ 5Mbps
Mode	Manual, timer, motion, smart event

Ordering Information

PD1B-16NH2: 16 Ch + 8 Bonus IP Ch

Playback	
Playback	16CH
Search	Time slice / time / event / tag search
Smart Search	Highlight colors to display the camera record in a certain period of time, different colors refer to different record events
Function	Play, pause, FF, FB, digital zoom, etc.
Alarm	
Mode	Manual, motion, exception, smart event
Input	16CH
Output	4CH
AI Function	
Smart Motion Detection Performance	16CH (Human & Vehicle Detection)
Perimeter Protection Performance	1CH (Human & Vehicle Detection)
Network	
Interface	RJ 45 1000Mbps × 1
Protocol	TCP / IP, IPv4, IPv6, PPPoE, DHCP, DNS, DDNS, UPnP, HTTP, HTTPS, 802.1x, FTP, RTP, RTSP, RTCP, NTP, SMTP, UDP, Websocket, SNMP, IGMP
Incoming Bandwidth	32Mbps (max. 64Mbps)
Outgoing Bandwidth	96Mbps
Client Connection	Max. 10 users access
MobileDevice	
OS	iOS, Android
Storage	
HDD	SATA×2, up to 26TB per HDD; E-SATA×1 (One 26TB max, Record Only)
Backup	
Local Backup	USB, USB to HDD (Max 1 TB)
Network Backup	Yes
Port	
RS 485	Yes (half-duplex), connect to PTZ
USB	USB 2.0 ×1; USB3.0×1
Remote Controller	Included
Others	
Power Supply	DC12V/4A
Consumption	≤ 15W (without HDD)
Dimensions (W × D × H)	14.9 x 10.5 x 1.7In (380 × 268 × 45 mm)
Working Environment	14°F ~122°F (-10~50°C), 10%~90% (humidity)
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE, REACH

