



FEATURES

- Supports 16 Channel TVI / AHD / CVI 5MP / 4MP / 1080P / 720P / WD1 video input
- supports 8 Channel 5MP / 4MP / 3MP / 1080P / 960P / 720P IP video input
- 8 Channel analog video input can be switched to 8 Channel IP video input
- Standard H.265 high profile compression format to get high-quality video at much lower bit rate
- Intuitive and user-friendly Graphics User Interface (GUI), window style operation by mouse
- Multi-mode recording: manual / timed / motion / sensor / AI recording
- Playback : 16 Channel simultaneously playback
- Search: time slice, time, event, tag and smart search
- Express and flexible backup via USB, network and so on
- Pentaplex: preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol
- Remote control via Web Client or CMS : preview, playback, backup, PTZ and configuration Support
- remote network transmission and remote surveillance with mobile device Authorization management,
- log review and device status review
- 1080P output, true high resolution display
- Supports PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Supports NAT function and Qr Code scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Andriod OS

SPECIFICATIONS

System	
OS	Embedded Linux
Video	
Analog Video Input	BNC × 16 BNC interface (1.0Vp-p; 75Ω) TVI/AHD/CVI : 5MP@20fps; 4MP/1080P/720P/WD1@30fps (live)
IP Video Input	8CH (up to 16CH) Up to 5MP@30fps
Total 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	5MP Lite/4MP Lite / 1080P/1080P Lite/720P/WD1
Frame Rate	Analog Channel: 5MP Lite@10fps (PAL / NTSC); 4MP Lite/1080P@12fps(PAL) / 15fps (NTSC); 1080P Lite/720P/WD1/D1@25fps (PAL) / 30fps (NTSC) IP Channel: 25fps (PAL) / 30fps (NTSC)
Bit Rate	32Kbps ~ 5Mbps
Mode	Manual, timer, motion, smart event
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
Perimeter Protection Performance	1CH
Network	
Interface	RJ 45 1000Mbps × 1
Protocol	TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, HTTP, HTTPS, NTP, SMTP
Incoming Bandwidth	32Mbps (max. 64Mbps)
Outgoing Bandwidth	96Mbps
Client Connection	Max. 10 users access
MobileDevice	
OS	iOS, Andriod
Storage	
HDD	SATA×2, up to 10TB per HDD; E-SATA×1
Backup	
Local Backup	U disk, USB mobile HDD
Network Backup	Yes
Port	
RS 485	Yes (half-duplex), connect to PTZ or keyboard
USB	USB 2.0 × 1; USB3.0 × 1
Remote Controller	Optional
Others	
Power Supply	DC12V/4A
Consumption	≤ 15W (without HDD)
Dimensions(mm)	14.96 inches (38 cm) × 14.49 inch (36.8 cm) × 1.77 inch (4.5 cm) (W × D × H)
Working Environment	-14 °F (-10 °C) ~ 122 °F (50 °C), 10% ~ 90% (humidity)
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE, REACH