



FEATURES

- H.264+/H.264 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 24 channels IP camera inputs, each channel up to 8MP; Max 96Mbps Incoming Bandwidth
- Smart Search and Intelligent Video System

TECHNICAL SPECIFICATIONS

System	Main Processor	Embedded Processor
	Operating System	Embedded LINUX
Video and Audio	Analog Camera Input	16 Channel, BNC
	HDCVI Camera	4K@7fps, 4MP-1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
	AHD Camera	4MP@12,5fps, 1080P@25/30fps
	TVI Camera	4MP@12,5fps, 1080P@25/30
	CVBS Camera	PAL/NTSC
	IP Camera Input	16+8 Channel, each channel up to 8MP
	Audio In/Out	1 Channel input, 1 Channel output, RCA
	Two-way Talk	Reuse audio in/out, RCA
Recording	Compression	H.264+/H.264
	Resolution	4K, 4M, 1080P, 720P, 960H, D1, CIF
	Record Rate	Main stream: 4K/4M(1~15fps); 1080P/720P/960H/ D1/CIF (1~25/30fps) Sub stream: D1/CIF(1~15fps)
	Bit Rate	32Kbps ~ 6144Kbps Per Channel
	Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
	Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
	Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM
	Audio Sample Rate	8KHz, 16 bit Per Channel
Audio Bit Rate		64Kbps Per Channel
Display	Interface	1 HDMI , 1 VGA
	Resolution	max 3840x2160
	Multi-screen Display	When IP extension mode not enabled: 1/4/8/9/16 When IP extension mode enabled: 1/4/8/9/16/25
	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Network	Interface	1 RJ-45 Port (1000M)
	Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, 3G/4G, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P, IP Search (Support Mtechnology IP camera, DVR, NVR, etc.)
	Max. User Access	128 users
	Smart Phone	iPhone, iPad, Android
	Interoperability	ONVIF 16.12, CGI Conformant
Video Detection and Alarm	Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
	Alarm input	-
	Relay Output	-
Playback & Backup	Playback	1/4/9/16
	Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
	Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
	Backup Mode	USB Device/Network
Storage	Internal HDD	2 SATA Ports, up to 10TB capacity
Auxiliary Interface	USB	1 USB 2.0 , 1 USB 3.0
	RS485	1 Port, for PTZ Control
Electrical	Power Supply	DC12V/4A
	Power Consumption (without HDD)	<10W
Construction	Dimensions	1U, 375mm×287mm×55mm (14.8" x 11" x 2.2")
	Device with PFH101 Rack Mount Tray	483mm×281mm×56mm (19.0"×11.1"×2.2")
	Net Weight (without HDD)	1.7kg (3.7 lb)
	Gross Weight	3.0kg (6.7 lb)
Environmental	Installation	Desktop installation
	Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 10%~ 90% RH
Third-party Support	Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0~ 90% RH
		Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dahua, Dynacolor, Honeywell, Mtechnology, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
Certifications		FCC: Part 15 Subpart B
		CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024
		UL: UL 60950-1