



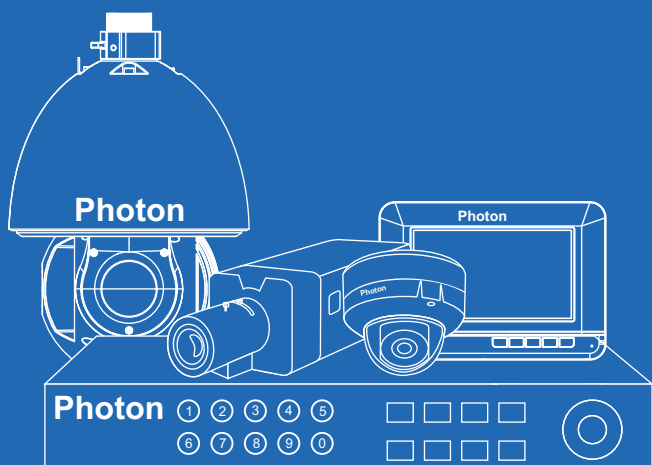
# Photon

## Security

**Analog  
High  
Defination**

# AHD DVR

**4ch AHD + 1 ch IP  
8ch AHD + 1 ch IP  
1080P**





HD



H.264



DDNS



Network



PTZ



Audio



MIC



Mobile



CMS



USB



Mouse



E-mail

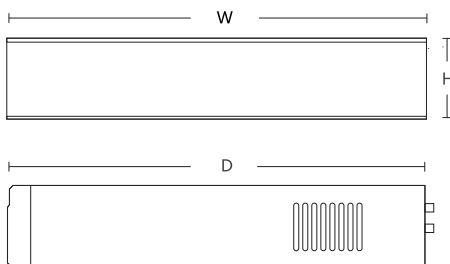
## Introduction

AH404H,AH804H series are standard 4 / 8 CH 1080P high definition hybrid DVRs with ability to connect analog and IP cameras simultaneously, which adopt the standard H.264 high profile compression format and the most advanced SOC technique to ensure real time recording in each channel and realize outstanding robustness of the system. AH404H,AH804H support 4 / 8 CH video input, 4 CH audio input, simultaneous 4 / 8 CH real time playback. The series of product can meet different security requirements of home, financial, commerce, enterprise, transportation and government, etc.

## Characteristics

- 4 / 8 CH AHD video input, 4 / 8 CH 1080P / 720P recording
- 4 CH DVR supports 1 CH IPC 1080P / 960P / 720P / WD1 / D1 recording
- 8 CH DVR supports 4 CH IPC 3MP / 1080P / 960P / 720P / WD1 / D1 recording
- Adopt standard H.264 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 / timer / motion / sensor
- Playback : 4 / 8 CH simultaneously playback
- Search: time / calendar, events ( sensor, motion )
- Express and flexible backup via USB, network
- Pentaplex: preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol, IE browse and CMS supported
- Remote control via IE or CMS : preview, playback, backup, PTZ and configuration
- Dual stream technology to encode recording stream and network stream respectively. User can adjust network stream to fit bandwidth without changing recording quality
- Multi-user online simultaneously
- Authorization management, log review and device status review
- HDMI 1080P output, true high resolution display
- Support PTZ preset and auto cruise, up to 128 presets and 8 cruises
- Powerful smart phone surveillance supporting iPhone, Android
- Support NAT function, support QR code scanning by mobile phone
- Complete SDK software available, easy to integrate with other applications

## Dimensions



## Specification

Model		AH404H		AH804H	
System	Compression		Standard H.264 High Profile		
	CPU		Cortex A9		
	OS		Embedded Linux		
Video	Input		BNC x 4		BNC x 8
	IP Input / Access Bandwidth		IPC x 1 / 6Mbps		IPC x 1 / 6Mbps
	Output		HDMI x 1    1920 x 1080 / VGA x 1    1920 x 1080 BNC x 1 : used as the main output or spot output		
Audio	Input		RCA x 4		
	Output		RCA x 1		
	2-way audio		Take up channel one audio input		
Record	Resolution		1080P : 1920 x 1080, 720P		1280 x 720
	Frame Rate	1080P	50 fps(PAL ) 60 fps (NTSC)		100 fps(PAL ) 120 fps (NTSC)
		720P	100 fps(PAL ) 120 fps (NTSC)		200 fps(PAL ) 240 fps (NTSC)
	Bit rate		1M ~ 4Mbps		
	Encode		VBR / CBR		
	Quality		6 Level		
	Mode		Manual, timer, motion, sensor		
	File manager		Lock, unlock, reserving time		
IP Input	Resolution		3MP / 1080P / 960P / 720P / WD1 / D1		3MP / 1080P / 960P / 720P / WD1 / D1
	Frame Rate	3MP	12 fps(PAL ) 15 fps (NTSC)		12 fps(PAL ) 15 fps (NTSC)
		1080P	12 fps(PAL ) 15 fps (NTSC)		12 fps(PAL ) 15 fps (NTSC)
		960P/ 720P	25 fps(PAL ) 30 fps (NTSC)		25 fps(PAL ) 30 fps (NTSC)
Play back	Playback		4 CH		8 CH
	Search		Time / calendar search, event ( sensor, motion)		
	Smart Search		Highlighted date and time to display the channel record		
	Function		Play, Pause, FF, FB, Digital zoom		
Alarm	Mode		Sensor, motion, video loss		
	Input		4 CH		
	Output		1 CH		
	Triggering		Record, PTZ move, alarm out, e-mail, etc		
Network	Interface		RJ45 10M/100M adaptive ethernet network port x 1		
	Protocol		TCP / IP, UDP, DHCP, DNS, PPPOE, DDNS		
	Others		10 users online, dual stream		
Cell phone	OS		iPhone, Andriod		
	Function		Multi-screen surveillance ( for certain model), record, snapshot, PTZ control, save the device list		
I/O	HDD		SATA x 1		
	RS485		RS485 x 1, connect to PTZ or keyboard		
	USB		USB 2.0 x 2, one for mouse, another for USB backup device		
	IR controller		Optional		
Others	Power supply		DC 12V		
	Consumption		< 6W ( without HDD )		< 8W ( without HDD )
	Dimensions		255 mm *210 mm *42 mm		W * D * H
	Work Environment		- 10 °C    50 °C    10 %    90 % Humidity		

