wIn SAFE

Experienced Designer and Manufacturee of Video Cameras

HD Portable All-Condition Rugged PTZ Camera
(IR Version)

PAHC-H2001X-IR
PAHC-S2003X-IR

HD-SDI | HD 1080p | 3MP | Image Flip
120M | 20X A/F Lens | AI | DIS
D/N ICR | DNR | WDR | IP67

Features

※Aluminum PTZ case with high strength;

※IP index up to IP67, full weather proof;

※Optional damping system;

※Powerful aux IR lighting system, range up to 120 meters;

※Hidden seamless window wiper with adjustable speed;

※New design of drive system, PTZ positioning precision up to +/-0.05° ;

※Soft camera address,Baud rate, protocol self-adaptive;

※Digital Image stabilization(DIS);

※Image flip for stand / ceiling mount;

※Video freeze;

※HD-SDI and CVBS output simultaneously;

※Wide Dynamic Range(WDR);

※Day / Night(ICR);

※10.8 - 28V voltage input;

※Auto power-off with low power supply.

Introduction

PAHC series camera is designed for fixed and mobile video surveillance application, such as marine, law enforcement, army, border patrol, airport, oilfiedl etc.

Aux Lighting System

Powerful IR lighting systems. It ensures clear view of completely dark environments.

Full Aluminum PTZ Case

The case with high strength is full weather proof, suitable for various tough applications such as rugged roads, sea, storm weather etc.

New Drive Mechanism

The PTZ Camera employs new drive system with high precision and higher holding torque, It does not generate offset during positioning of Pan and Tilt.

▌ Applications
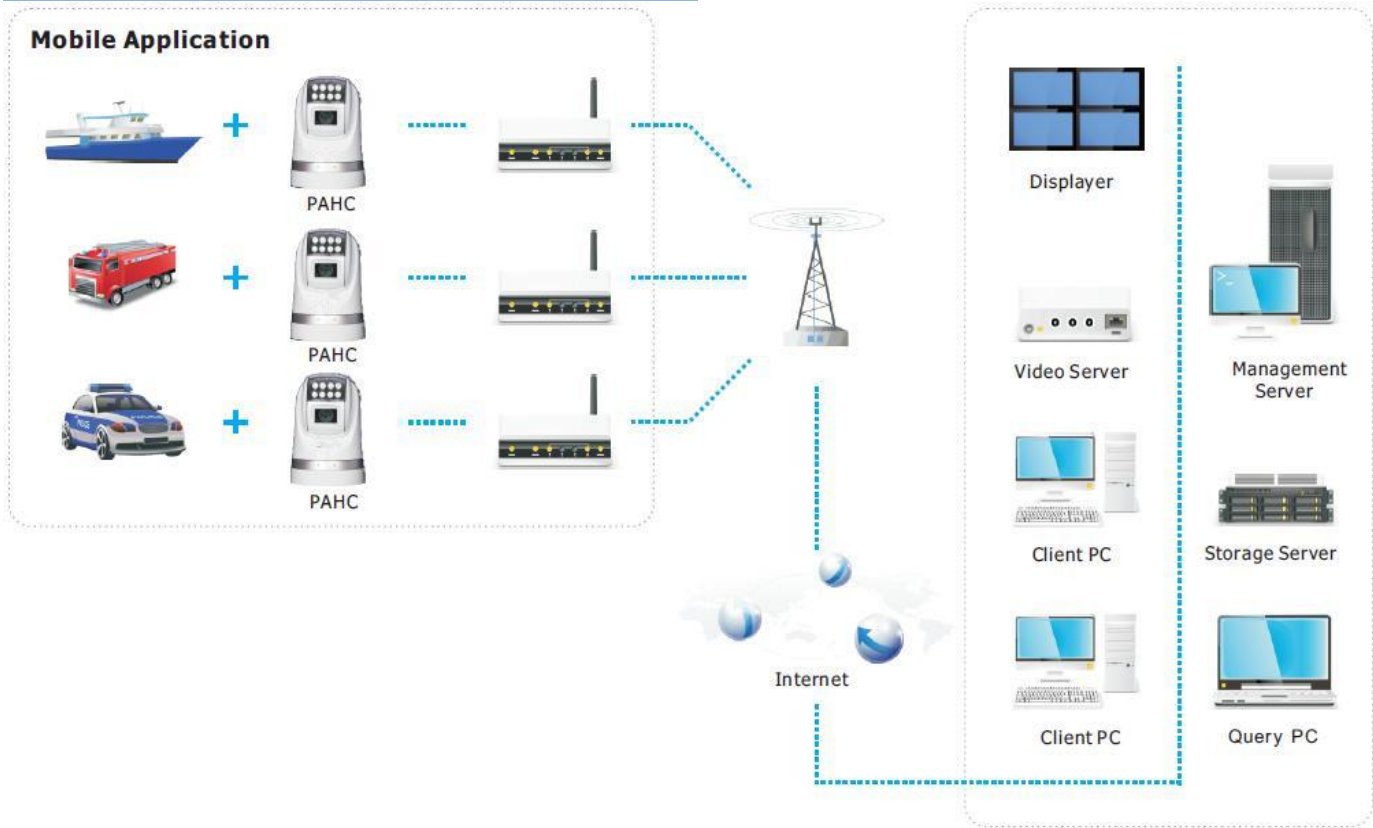
POLICE/GOVERNMENT | MARINE/SHIPS | ARMY/BORDER PATROL | LOGISTICS | FIRE ALARM/RESCUE
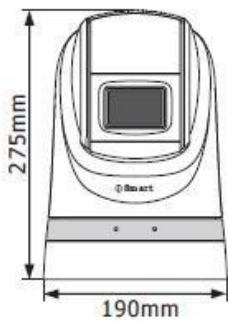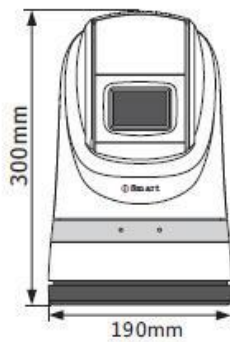
System Diagram

Mobile Application

PAHC

PAHC

PAHC

Internet

Displayer

Video Server

Client PC

Management Server

Storage Server

Client PC

Query PC

Comparison Chart

Model	PAHC Series	CAHC Series
IP Index	IP67	IP66
PTZ Case	Aluminum Alloy	ABS, magnesium alloy
Lighting Range	120M	60M
Wiper	Hidden, Speed Adjustable	x
DNR	1-3 Adjustable/Off	x
Damping	Powerful stell Damping	Powerful steel Damping
Defogger	√	x
PTZ Driving System	Worm and Gear	Tilt: gear; Pan: belt

Dimensions

Fixed Mount

275mm

190mm

Standard

300mm

190mm

Optional: with Damper

20°

R67.5

3-Ø6 (EQS)

R87

Pilot Hole

Ø90

100 mm

M4   Mounting Hole

12mm
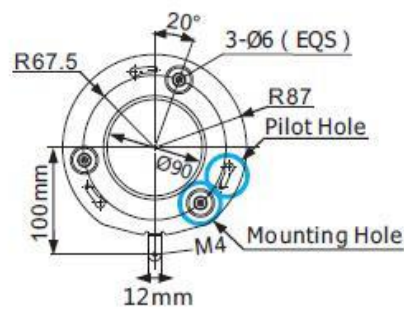
Mounting Plate

Technical Date

Model No.	PAHC-H2001X-IR	PAHC-H2003X-IR
Camera		
Image Sensor	1/2.8" type solid state Progressive Scan CMOS	1/2.8" SONY EX-View HAD CCD
Effectie Pixel	1920(H) x 1080V)	3.27Megapixel
Video Output	HD:1080p/30,1080p/25,1080i/60,1080i/50,720p/60,720p/50,720p/30,720p/25 SD:PAL/NTSC	
Min Illumination	0.4 Lux (Lights Off) 0.04 Lux (Lights On)	0.5 Lux (Lights Off) 0.095 Lux (Lights On)
White Balance	Auto	
Focus	Auto/Manual	
Exposure	Auto / Manual	
S/N Ratio	Not less than 50dB	
BLC	On / Off	
WDR	On / Off	
Image Stabilization	On / Off	
Digital Noise Reduction	1-3 Steps/OFF	1-5 Steps/OFF
Day/Night	Auto / Manual	
Lens	f=4.7mm - 94mm, F1.6 to F3.5	
View Angle	55.2°(wide) to 2.0°(tele)	55.4°(wide) to 2.9°(tele)
Optical Zoom	20X	
Digital Zoom	12X	
PTZ		
Pan Range	360° Continuous	
Pan Speed	0.04° - 90°/s, adjustable	
Tilt Range	-15° - 90°(Auto Flip)	
Tilt Speed	0.3° - 60°/s, adjustable	
Preset Speed	Pan:120°/s; Tilt:90°/s	
Preset	256	
Preset Precision	± 0.05°	
IR Light		
IR Wave Lenth	850nm/940nm	
Range	120m(850nm)/60m(940nm)	
Switch	Auto / Manual	
General		
OSD Language	Chinese/English	
Comm.Interface	RS-485	
Protocol	Pelco-P / Pelco-D(self-adaptive)	
Baud Rate	2400bps,4800pbs,9600bps,19200bps(self-adaptive)	
Address	0 - 255	
Voltage	DC10.8 - 28V	
Power	12W(Standby) 55W (Defogger and lights on)	
Working Temperature	- 45°C - + 65°C	
IP Code	IP67,TVS	
Dimensions	Standard:Φ190(mm) x 275(mm) With Damper:Φ190(mm) 300(mm)	
Weight	Standard:4.9kg Optional:5.65kg(with damper)	

※※※ Product specification are subject to change without notice ※※※