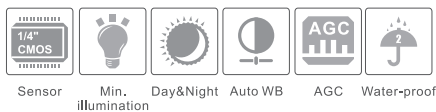


IAHD-B1010XT



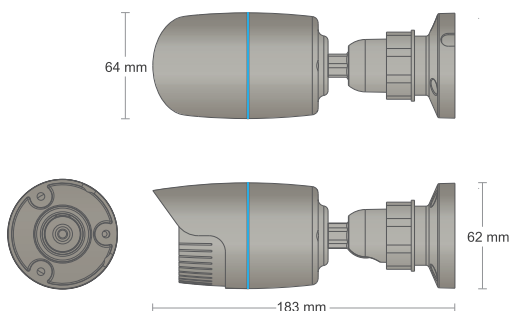
1 MP IR Water-proof Bullet Camera



Features

- 720P real time image, high resolution, true color
- AHD lossless video output
- CMOS progressive scan, perfectly capture the moving object
- High speed, long distance, real time transmission
- Auto color to B / W at low illumination
- Support ICR switch, true day / night
- Support noise reduction function
- 10 ~ 20m IR night view distance
- IP66 ingress protection

Dimensions



Specifications

Model	IAHD-B1010XT
Specifications	
Camera	
Image Sensor	1 / 4 "CMOS
Resolution	1280 x 720
Image System	PAL / NTSC
Min. Illumination	0 Lux (LED ON)
Lens	2.8 mm FOV; 71 Degrees
IR Distance	10 ~ 20 m
Water-proof	IP 66
Video Output	BNC x 1
Image Size	720P (1280 x 720)
Frame Rate	30 fps (60 Hz), 25 fps (50 Hz)
Functions	
Day & Night	Yes (ICR)
S / N Ratio	> 52 dB (AGC off)
Electronic Shutter	1 / 50s ~ 1 / 50000s (PAL); 1 / 60s ~ 1 / 50000s (NTSC)
AGC	Yes
White Balance	Auto White Balance
Others	
Power Supply	DC 12V ($\pm 10\%$)
Working Environment	- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)	$\Phi 64 \times 183$

IAHD-B2010XT



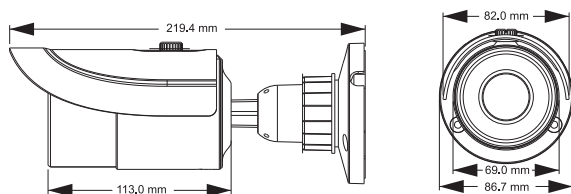
2 MP IR Water-proof Bullet Camera



Features

- 1080P real time image, high resolution, true color
- AHD lossless video output
- Up to 1000 TVL resolution
- CMOS progressive scan, perfectly capture the moving object
- Support OSD menu
- Support motion alarm
- High speed, long distance, real time transmission
- Auto color to B / W at low illumination
- Support ICR switch, true day / night
- Support noise reduction function
- 20 ~ 30m IR night view distance
- IP66 ingress protection

Dimensions



Specifications

Specifications	Model	IAHD-B2010XT
Camera		
Image Sensor		1 / 3 "CMOS
Resolution		1920 x 1080
Image System		PAL / NTSC
Min. Illumination		0 Lux (LED ON)
Lens		3.6 mm FOV; 75 Degrees
IR Distance		20 ~ 30 m
Water-proof		IP66
Video Output		BNC x 1
Image Size		1080P (1920 x 1080)
Frame Rate		30 fps (60 Hz), 25 fps (50 Hz)
Functions		
Screen Display		12 languages supported
Function Control		OSD
Day & Night		Yes (ICR)
BLC & HLC		Yes
Defog		Yes
WDR		Yes
3D NR		Yes
Motion Detection		Up to 4 areas
Privacy Mask		Up to 8 areas
Defect Correction		Yes (support live and static defective pixel correction)
S / N Ratio		> 52 dB (AGC off)
Electronic Shutter		1 / 50s ~ 1 / 50000s (PAL); 1 / 60s ~ 1 / 50000s (NTSC)
AGC		Yes
White Balance		ATW, AWC→SET, Indoor, Outdoor, Manual
Advanced Image		Sharpness, saturation, brightness, etc. are adjustable
Mirror		Yes
Smart IR		Yes
Others		
Power Supply		DC 12V (± 10 %)
Working Environment		- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)		Φ 87 x 219
Weight (net)		554g

IAHD-B2020XT



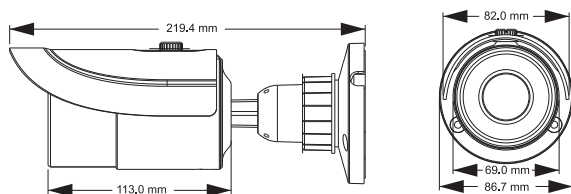
2 MP IR Water-proof Bullet Camera



Features

- 1080P real time image, high resolution, true color
- AHD lossless video output
- Up to 1000 TVL resolution
- CMOS progressive scan, perfectly capture the moving object
- Support OSD menu
- Support motion alarm
- High speed, long distance, real time transmission
- Auto color to B / W at low illumination
- Support ICR switch, true day / night
- Support noise reduction function
- 20 ~ 30m IR night view distance
- IP66 ingress protection

Dimensions



Specifications

Specifications	Model	IAHD-B2020XT
Camera		
Image Sensor		1 / 3 "CMOS
Resolution		1920 x 1080
Image System		PAL / NTSC
Min. Illumination		0 Lux (LED ON)
Lens		2.8 ~ 12 mm FOV; 30~98 Degrees
IR Distance		20 ~ 30 m
Water-proof		IP66
Video Output		BNC x 1
Image Size		1080P (1920 x 1080)
Frame Rate		30 fps (60 Hz), 25 fps (50 Hz)
Functions		
Screen Display		12 languages supported
Function Control		OSD
Day & Night		Yes (ICR)
BLC & HLC		Yes
Defog		Yes
WDR		Yes
3D NR		Yes
Motion Detection		Up to 4 areas
Privacy Mask		Up to 8 areas
Defect Correction		Yes (support live and static defective pixel correction)
S / N Ratio		> 52 dB (AGC off)
Electronic Shutter		1 / 50s ~ 1 / 50000s (PAL); 1 / 60s ~ 1 / 50000s (NTSC)
AGC		Yes
White Balance		ATW, AWC→SET, Indoor, Outdoor, Manual
Advanced Image		Sharpness, saturation, brightness, etc. are adjustable
Mirror		Yes
Smart IR		Yes
Others		
Power Supply		DC 12V (± 10 %)
Working Environment		- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)		Φ 87 x 219
Weight (net)		554g



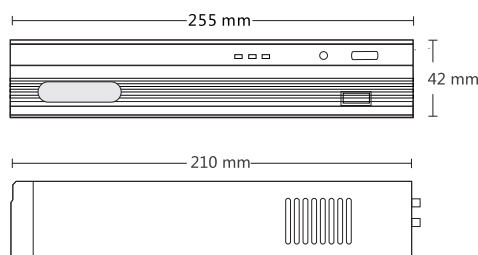
Introduction

These IMPAQ AHD DVR 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. IMPAQ AHD DVR 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 / HD CIF 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		IAHD-R04210XT		IAHD-R08210XT	
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 4 / 24Mbps
	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, HD CIF		
	Frame Rate	1080P	50 fps (PAL) 60 fps (NTSC)		100 fps (PAL) 120 fps (NTSC)
		720P/ HD CIF	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		1080P / 960P / 720P / WD1 / D1	
Frame Rate		3MP	--		48 fps (PAL) 60 fps (NTSC)
		1080P	12 fps (PAL) 15 fps (NTSC)		100 fps (PAL) 120 fps (NTSC)
		960P/ 720P	25 fps (PAL) 30 fps (NTSC)		100 fps (PAL) 120 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		


HD

H.264

DDNS

Network

PTZ

Audio

MIC

Mobile

CMS

USB

Mouse

E-mail

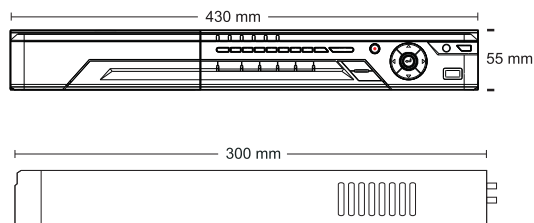
Introduction

IAHD-R16220XT series are standard 16 CH 1080P high resolution 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. IAHD-R16220XT support 16 CH video input, 4 CH audio input, simultaneous 8 CH real time playback. The series of product can meet different security requirements of home, financial, commerce, enterprise, transportation and government, etc.

Characteristics

- 16 CH AHD video input, 16 CH 1080P / 720P / HD CIF recording
- Support 8 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 : 8 CH simultaneously playback
- Search: time / calendar, events (alarm, 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		IAHD-R16220XT
System	Compression	Standard H.264 High Profile
	CPU	Cortex A9
	OS	Embedded Linux
Video	Input	BNC x 16
	IP Input / Access Bandwidth	IPC x 8 / 24Mbps
	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, HD CIF
	Frame Rate	1080P 200 fps (PAL) 240 fps (NTSC)
		720P / HD CIF 400 fps (PAL) 480 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
Play back	Playback	8 CH
	Search	Time / calendar search, event (motion, external alarm)
	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, Android
	Function	Multi-screen surveillance (for certain model), record, snapshot, PTZ control, save the device list
I/O	HDD	SATA x 2
	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	< 12W (without HDD)
	Dimensions	430 mm * 300 mm * 55 mm (W * D * H)
	Work Environment	- 10 °C ~ 50 °C , 10 % ~ 90 % Humidity

IAHD-V2010XT



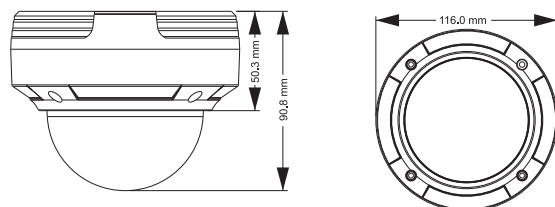
2 MP Water-proof Dome Camera



Features

- 1080P real time image, high resolution, true color
- AHD lossless video output
- Up to 1000 TVL resolution
- CMOS progressive scan, perfectly capture the moving object
- Support OSD menu
- Support motion alarm
- High speed, long distance, real time transmission
- Auto color to B / W at low illumination
- Support ICR switch, true day / night
- Support noise reduction function
- 10 ~ 20m IR night view distance optional
- IP66 & IK10 ingress protection

Dimensions



Specifications

Specifications	Model	IAHD-V2010XT
Camera		
Image Sensor		1 / 3 "CMOS
Resolution		1920 x 1080
Image System		PAL / NTSC
Min. Illumination		0 Lux (LED ON)
Lens		3.6 mm FOV; 75 Degrees
IR Distance		10 ~ 20m optional
Water-proof		IP66
Video Output		BNC x 1
Image Size		1080P (1920 x 1080)
Frame Rate		30 fps (60 Hz), 25 fps (50 Hz)
Functions		
Screen Display		12 languages supported
Function Control		OSD
Day&Night		Yes (ICR)
BLC & HLC		Yes
Defog		Yes
WDR		Yes
3D NR		Yes
Motion Detection		Up to 4 areas
Privacy Mask		Up to 8 areas
Defect Correction		Yes (support live and static defective pixel correction)
S / N Ratio		> 52 dB (AGC off)
Electronic Shutter		1 / 50s ~ 1 / 50000s (PAL); 1 / 60s ~ 1 / 50000s (NTSC)
AGC		Yes
White Balance		ATW, AWC→SET, Indoor, Outdoor, Manual
Advanced Image		Sharpness, saturation, brightness, etc. are adjustable
Mirror		Yes
Smart IR		Yes
Others		
Power Supply		DC 12V (± 10 %)
Working Environment		- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)		Φ 116 x 91
Weight (net)		515g

IAHD-V2020XT



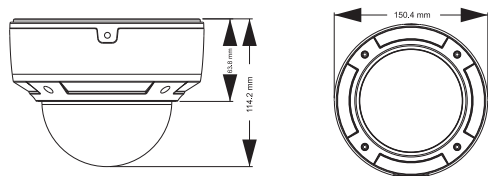
2 MP Water-proof Dome Camera



Features

- 1080P real time image, high resolution, true color
- AHD lossless video output
- Up to 1000 TVL resolution
- CMOS progressive scan, perfectly capture the moving object
- Support OSD menu
- Support motion alarm
- High speed, long distance, real time transmission
- Auto color to B / W at low illumination
- Support ICR switch, true day / night
- Support noise reduction function
- 20 ~ 30m IR night view distance optional
- IP66 & IK10 ingress protection

Dimensions



Specifications

Specifications	Model	IAHD-V2020XT
Camera		
Image Sensor		1 / 3 "CMOS
Resolution		1920 x 1080
Image System		PAL / NTSC
Min. Illumination		0 Lux (LED ON)
Lens		2.8 ~ 12 mm FOV; 30~98 Degrees
IR Distance		20 ~ 30m optional
Water-proof		IP66
Video Output		BNC x 1
Image Size		1080P (1920 x 1080)
Frame Rate		30 fps (60 Hz), 25 fps (50 Hz)
Functions		
Screen Display		12 languages supported
Function Control		OSD
Day&Night		Yes (ICR)
BLC & HLC		Yes
Defog		Yes
WDR		Yes
3D NR		Yes
Motion Detection		Up to 4 areas
Privacy Mask		Up to 8 areas
Defect Correction		Yes (support live and static defective pixel correction)
S / N Ratio		> 52 dB (AGC off)
Electronic Shutter		1 / 50s ~ 1 / 50000s (PAL); 1 / 60s ~ 1 / 50000s (NTSC)
AGC		Yes
White Balance		ATW, AWC→SET, Indoor, Outdoor, Manual
Advanced Image		Sharpness, saturation, brightness, etc. are adjustable
Mirror		Yes
Smart IR		Yes
Others		
Power Supply		DC 12V (± 10 %)
Working Environment		- 20 °C ~ 50 °C, 10 % ~ 90 % humidity
Dimensions (mm)		Φ150 x 114
Weight (net)		907g