



HANBANG®

Innovation Changes the World



PRODUCT CATALOG

Introduction

Hanbang Technology Co., Ltd., one of the first enterprises entering into digital video surveillance industry, has been focusing on R&D of products and technology of digital video surveillance field. While providing product and technical support, it also provides overall solution for the industrial system; it has successfully provided system implementation and service supports for several industries.

Hanbang now owns 2 R&D centers respectively in Beijing and Shenzhen. After years of technology accumulation in video image processing field, Hanbang Technology has successfully developed a number of digital surveillance product series and formed a number of digital core products such as audio and video compression cards, embedded DVRs, network video servers, analog cameras and IP cameras; The product line covers a full range of video surveillance system. It has become one of the key domestic suppliers of video compression cards and embedded digital video recorders, and the products have been supplied to many industries.

To meet market demand with better service, the company sets 6 zones including North China, Central China, East China, South China, Northeast China and Southwest China, and the sales and service network as well as nearly 30 offices cover the whole China. At the same time the company positively develops the overseas market, and its products have been sold to India, Turkey, South Africa, Poland, Russia, Brazil, UK and many other countries and regions.

Hanbang Technology is National High-tech Enterprise, vice president member of Beijing High-tech Enterprises Association, also the vice president member of China Security Industry Association. It has passed certifications of ISO-9001 quality system and ISO-1400 environmental system, and its products have passed certifications of FCC/CE, ROHS, CCC and others. Hanbang Technology with stably progressing is universally recognized both by insiders and outsiders of the industry. It is shortlisted for China security top 10 brands successively for years and shortlisted for safe city recommended brands several times; it was shortlisted for 2009 Forbes China Up& Comers and shortlisted for pilot innovative enterprises at national innovation model zhongguancun area; besides it is one of 2010 national torch program key high-tech enterprises, and its embedded DVRs win the title of National Key New Product.

Based on technology and being market-oriented, Hanbang expects to develop together with China security industry.



H.265 Solution

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HB-NVR3100E-P Series NVR

HB-NVR3104E-4P / HB-NVR3108E-8P

Key Features

Original

- SDA+ technology inside, Plug Play Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.265 / H.264 video formats
- Up to 8 8MP IP camera can be accessed
- HDMI at up to 4K, VGA at up to 1080P

HD Storage & Communication

- 1 HDD supported, Up to 8TB for each
- 1 self-adaptive 10/100M RJ45 interface
- Up to 8 POE RJ45 interfaces

Special

- Instant playback for assigned channel during multi-channel live view mode
- Smart search for selected area in the video, and smart playback to improve the efficiency



Specifications

Model		HB-NVR3104E-4P	HB-NVR3108E-8P
Video / Audio input	IP video input	4 Ch. Up to 8 MP resolution	8 Ch.
	IP audio input	4 Ch.	8 Ch.
	Two-way audio	1× RCA (2.0 Vp-p, 1 kΩ)	
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol
		Bandwidth	80Mbps
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK
		Bandwidth	80Mbps
Video / Audio output	Recording resolution	Up to 8 MP resolution	
	HDMI output	4K (3840×2160)/60Hz, 1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	Audio output	1×RCA (Linear, 1 kΩ)	
Decoding	Decoding standard	H.265 / H.264	
	Live view / playback resolution	Up to 8 MP resolution	
	Synchronous playback	All channel synchronous playback	
HDD	SATA	1 SATA interfaces for 1 HDD	
	Capacity	Up to 8TB capacity for each HDD	
	Network	1×10/100Mbps self-adaptive RJ45 interface	
External interface	USB	Rear panel: 1×USB3.0 / 1×USB2.0	
	Alarm	2 in / 1 out	
	RS-485	N/A	
	POE	Interface	4×POE RJ45 interfaces
POE	Max. power	40W	80W
	Standard	IEEE 802.3af / at	
	Power supply	48V / 1.25A	48V / 2A
General	Operating condition	Temperature: -10°C – 55°C (14°F – 131°F) Humidity: 10 - 90%	
	Dimensions (WxDxH)	324×256.8×53.7mm (12.7"×10.1"×2.1")	

HB-NVR3200E-P Series NVR

HB-NVR3208E-8P / HB-NVR3216E-16P

Key Features

Original

- SDA+ technology inside, Plug Play Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.265 / H.264 video formats
- Up to 16 8MP IP camera can be accessed
- HDMI at up to 4K, VGA at up to 1080P

HD Storage & Communication

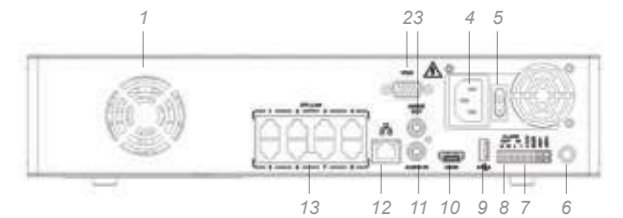
- 2 HDDs supported, Up to 8TB for each
- 1 self-adaptive 10/100/1000M RJ45 interface
- Up to 16 POE RJ45 interfaces

Special

- Instant playback for assigned channel during multi-channel live view mode
- Smart search for selected area in the video, and smart playback to improve the efficiency
- Support HDD quota and group mode
- Support HDD hot swap



Physical Interfaces



- 1.FAN
- 2.VGA
- 3.Audio In
- 4.AC 100~240V
- 5.ON/OFF
- 6.GND
- 7.Alarm In
- 8.Alarm Out
- 9.USB
- 10.HDMI
- 11.Audio Out
- 12.Network Interface
- 13.IPC LAN In

Specifications

Model		HB-NVR3208E-8P	HB-NVR3216E-16P
Video / Audio input	IP video input	8 Ch. Up to 12 MP	16 Ch.
	IP audio input	8 Ch.	16 Ch.
	Two-way audio	1×RCA (2.0 Vp-p, 1 kΩ)	
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol
		Bandwidth	160Mbps
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK
		Bandwidth	160Mbps
Video / Audio output	Recording resolution	Up to 8 MP	
	HDMI output	4K (3840×2160)/60Hz, 1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	Audio output	1× RCA (Linear, 1 kΩ)	
Decoding	Decoding standard	H.265 / H.264	
	Live view / playback resolution	Up to 12 MP for the first 4 Ch. , Up to 8MP for the rest	
	Synchronous playback	All Ch. Synchronous playback	
HDD	SATA	2 SATA interfaces for 2 HDDs	
	Capacity	Up to 8TB capacity for each HDD	
	Network	1×10/100Mbps self-adaptive RJ45 interface	
External interface	USB	Front panel: 1×USB2.0, Rear panel: 1×USB3.0	
	Alarm	4 in / 1 out	
	RS-485	N/A	
	POE	Interface	8×POE RJ45 interfaces
POE	Max. power	120W	240W
	Standard	IEEE 802.3af / at	
	Power supply	220V (100 to 240 VAC, 47 to 63 Hz, 3A)	48V / 2A
General	Operating condition	Temperature: -10°C – 55°C (14°F – 131°F) Humidity: 10 - 90%	
	Dimensions (WxDxH)	340×217.6×77mm (13.8"×8.5"×3")	

HB-NVR3400E-P Series NVR

HB-NVR3432E-16P/4S

Key Features

Original

- SDA+ technology inside, Plug Play Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.265 / H.264 video formats
- Up to 32 8MP IP camera can be accessed
- HDMI at up to 4K, VGA at up to 1080P

HD Storage & Communication

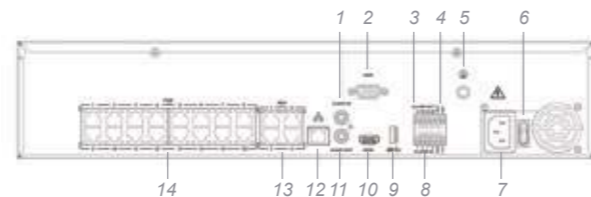
- 4 HDDs supported, Up to 8TB for each
- 1 self-adaptive 10/100/1000M RJ45 interface
- 16 POE RJ45 interfaces
- 4 SDA RJ45 interfaces for Plug&Play access third-party ONVIF camera

Special

- Instant playback for assigned channel during multi-channel live view mode
- Smart search for selected area in the video, and smart playback to improve the efficiency
- Support HDD quota and group mode
- Support HDD hot swap



Physical Interfaces



- 1.Audio In 2.VGA 3.Alarm Out 4.RS485
- 5.GND 6.ON/OFF 7.AC 100~240V 8.Alarm In
- 9.USB 10.HDMI 11.Audio Out 12.Network Interface
- 13.SDA Interface 14.POE

Specifications

Model	HB-NVR3432E-16P/4S		
Video / Audio input	IP video input	32 Ch. Up to 12 MP for the first 2 Ch. , Up to 8MP for the rest	
	IP audio input	32 Ch.	
	Two-way audio	1× RCA (2.0 Vp-p, 1 kΩ)	
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol
		Bandwidth	320Mbps
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK
		Bandwidth	320Mbps
Video / Audio output	Recording resolution	Up to 12 MP for the first 2 Ch. , Up to 8MP for the rest	
	HDMI output	4K(3840×2160)/60Hz, 1080p(1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	Audio output	1× RCA (Linear, 1 kΩ)	
Decoding	Decoding standard	H.265 / H.264	
	Live view/ playback resolution	Up to 12 MP for the first 2 Ch. , Up to 8MP for the rest	
	Synchronous playback	All Ch. Synchronous playback	
HDD	SATA	4 SATA interfaces for 4 HDDs	
	Capacity	Up to 8TB capacity for each HDD	
External interface	Network	1× 10/100Mbps self-adaptive RJ45 interface	
	USB	Front panel: 2× USB2.0, Rear panel: 1× USB3.0	
	Alarm	4 in / 2 out	
	RS-485	1× RS-485 interface	
POE	Interface	16× POE RJ45 interfaces	
	Max. power	220W	
SDA	Standard	IEEE 802.3af / at	
	Interface	4× SDA RJ45 interfaces	
General	Max. video input	Up to 32 Ch., Up to 8 Ch. for each SDA interface	
	Power supply	220V (100 to 240 VAC, 47 to 63 Hz, 6A)	
	Operating condition	-Temperature: -10°C – 55°C (14°F – 131°F) Humidity: 10 - 90%	
	Dimensions (W×D×H)	440 × 323 × 88.9mm (17.3" × 12.7" × 3.5")	

HB-NVR3100E Series NVR

HB-NVR3106E / HB-NVR3109E

Key Features

Original

- SDA+ over LAN technology inside, One-click Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.265 / H.264 video formats
- Up to 9 8MP IP camera can be accessed
- HDMI at up to 4K, VGA at up to 1080P

HD Storage & Communication

- 2 HDDs supported, Up to 8TB for each
- 1 self-adaptive 10/100/1000M RJ45 interface
- Up to 8 SDA RJ45 interfaces for Plug&Play access third-party ONVIF camera

Special

- Instant playback for assigned channel during multi-channel live view mode
- Smart search for selected area in the video, and smart playback to improve the efficiency
- Support HDD quota and group mode
- Support HDD hot swap



Specifications

Model	HB-NVR3106E		HB-NVR3109E	
Video / Audio input	IP video input	6 Ch. Up to 8 MP	9 Ch.	
	IP audio input	6 Ch.	9 Ch.	
	Two-way audio	1× RCA (2.0 Vp-p, 1 kΩ)		
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol	
		Bandwidth	80Mbps	
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK	
		Bandwidth	80Mbps	
Video / Audio output	Recording resolution	Up to 8 MP		
	HDMI output	4K (3840 × 2160)/60Hz, 1080p (1920 × 1080)/60Hz, 720p (1280 × 720)/60Hz, UXGA (1600 × 1200)/60Hz, 1280 × 1024/60Hz		
	VGA output	1080p (1920 × 1080)/60Hz, 720p (1280 × 720)/60Hz, UXGA (1600 × 1200)/60Hz, 1280 × 1024/60Hz		
	Audio output	1× RCA (Linear, 1 kΩ)		
Decoding	Decoding standard	H.265 / H.264		
	Live view / playback resolution	Up to 8 MP		
	Synchronous playback	All Ch. Synchronous playback		
HDD	SATA	1 SATA interface for 1 HDD		
	Capacity	Up to 8TB capacity for each HDD		
External interface	Network	1 10/100Mbps self-adaptive RJ45 interface		
	USB	Rear panel: 1× USB3.0 / 1× USB2.0		
	Alarm	2 in / 1 out		
	RS-485	N/A		
General	Power supply	12V 24W		
	Operating condition	-Temperature: -10°C – 55°C (14°F – 131°F) Humidity: 10 - 90%		
	Dimensions (W×D×H)	254 × 180 × 49.5mm (10" × 7" × 1.9")		

HB-NVR3200E Series NVR

HB-NVR3208E / HB-NVR3216E / HB-NVR3232E-8S

Key Features

Original

- SDA+ over LAN technology inside, One-click Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.265 / H.264 video formats
- Up to 32 8MP IP camera can be accessed
- HDMI at up to 4K, VGA at up to 1080P

HD Storage & Communication

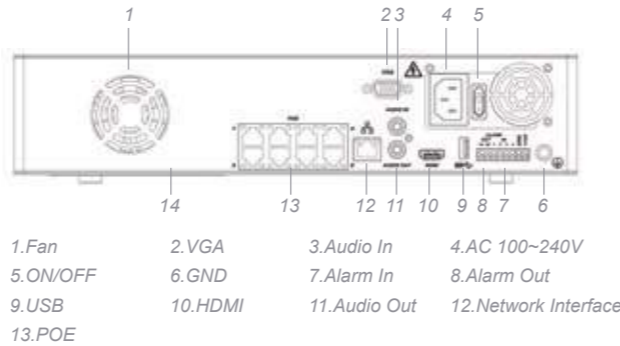
- 2 HDDs supported, Up to 8TB for each
- 1 self-adaptive 10/100/1000M RJ45 interface
- Up to 8 SDA RJ45 interfaces for Plug&Play access third-party ONVIF camera

Special

- Instant playback for assigned channel during multi-channel live view mode
- Smart search for selected area in the video, and smart playback to improve the efficiency
- Support HDD quota and group mode
- Support HDD hot swap



Physical Interfaces



Specifications

Model	HB-NVR3208E	HB-NVR3216E	HB-NVR3232E-8S
Video / Audio input	IP video input	8 Ch.	16 Ch.
	IP audio input	8 Ch.	16 Ch.
	Two-way audio	1×RCA (2.0 Vp-p, 1 kΩ)	
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol
		Bandwidth	160Mbps 320Mbps
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK
		Bandwidth	160Mbps 320Mbps
Video / Audio output	Recording resolution	Up to 12 MP for the first 2 Ch. , Up to 8MP for the rest	
	HDMI output	4K (3840×2160)/60Hz, 1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280× 1024/60Hz	
	Audio output	1×RCA (Linear, 1 kΩ)	
Decoding	Decoding standard	H.265 / H.264	
	Live view / playback resolution	Up to 12 MP for the first 2 Ch. , Up to 8MP for the rest	
	Synchronous playback	All Ch. Synchronous playback	
HDD	SATA	2 SATA interfaces for 2 HDDs	
	Capacity	Up to 8TB capacity for each HDD	
External interface	Network	1 10/100Mbps self-adaptive RJ45 interface	
	USB	Front panel: 1×USB2.0, Rear panel: 1x USB3.0	
	Alarm	4 in / 1 out	
	RS-485	N/A	
POE	Interface	N/A	8 10/100Mbps RJ45 interfaces
	Max. power	N/A	Up to 32 Ch., Up to 8 Ch. for each SDA interface
General	Power supply	12V 40W	
	Operating condition	-Temperature: -10°C – 55°C (14°F – 131°F) Humidity: 10 - 90%	
	Dimensions (W×D×H)	340×217.6×77mm (13.8"×8.5"×3")	

HB-NVR3400E Series NVR

HB-NVR3432E-8S

Key Features

Original

- SDA+ over LAN technology inside, One-click Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.265 / H.264 video formats
- Up to 32 8MP IP camera can be accessed
- HDMI at up to 4K, VGA at up to 1080P

HD Storage & Communication

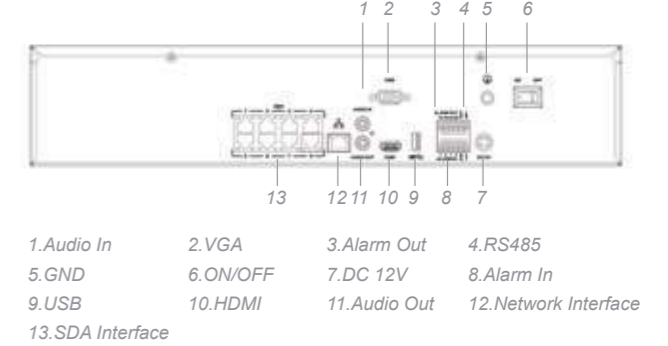
- 4 HDDs supported, Up to 8TB for each
- 1 self-adaptive 10/100/1000M RJ45 interface
- Up to 8 SDA RJ45 interfaces for Plug&Play access third-party ONVIF camera

Special

- Instant playback for assigned channel during multi-channel live view mode
- Smart search for selected area in the video, and smart playback to improve the efficiency
- Support HDD quota and group mode
- Support HDD hot swap



Physical Interfaces



Specifications

Model	HB-NVR3432E-8S		
Video / Audio input	IP video input	32 Ch.	
	IP audio input	32 Ch.	
	Two-way audio	1×RCA (2.0 Vp-p, 1 kΩ)	
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol
		Bandwidth	320Mbps
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK
		Bandwidth	320Mbps
Video / Audio output	Recording resolution	Up to 12 MP for the first 2 Ch. , Up to 8MP for the rest	
	HDMI output	4K (3840×2160)/60Hz, 1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280× 1024/60Hz	
	Audio output	1×RCA (Linear, 1 kΩ)	
Decoding	Decoding standard	H.265 / H.264	
	Live view / playback resolution	Up to 12 MP for the first 2 Ch. , Up to 8MP for the rest	
	Synchronous playback	All Ch. Synchronous playback	
HDD	SATA	4 SATA interfaces for 4 HDDs	
	Capacity	Up to 8TB capacity for each HDD	
External interface	Network	1 10/100Mbps self-adaptive RJ45 interface	
	USB	Front panel: 2×USB2.0, Rear panel: 1×USB3.0	
	Alarm	4 in / 2 out	
	RS-485	1×RS-485 interface	
SDA	Interface	8 10/100Mbps RJ45 interfaces	
General	Max. video input	Up to 32 Ch., Up to 8 Ch. for each SDA interface	
	Power supply	12V 90W	
	Operating condition	-Temperature: -10°C – 55°C (14°F – 131°F) Humidity: 10 - 90%	
Dimensions (W×D×H)	440×323×88.9mm (17.3"×12.7"×3.5")		

HB-NVR9700E Series NVR

HB-NVR9732E / HB-NVR9764E

Key Features

Original

- SDA+ over LAN technology inside, One-click Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.265 / H.264 video formats
- Up to 64 8MP IP camera can be accessed
- HDMI at up to 4K, VGA at up to 1080P

HD Storage & Communication

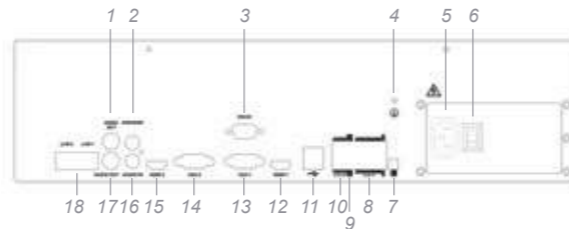
- 12 HDDs supported, Up to 8TB for each
- 2 self-adaptive 10/100/1000M RJ45 interface

Special

- Instant playback for assigned channel during multi-channel live view mode
- Smart search for selected area in the video, and smart playback to improve the efficiency
- Support HDD quota and group mode
- Support HDD hot swap



Physical Interfaces



- 1.Video Out 2.Speaker 3.RS232 4.GND
- 5.AC 100~240V 6.ON/OFF 7.Half Duplex RS485 8.Alarm In
- 9.Full Dulex RS485 10.Alarm Out 11.USB 12.HDMI
- 13.VGA 14.VGA 15.HDMI 16.Audio In
- 17.Audio Out 18.Network Interface

Specifications

Model		HB-NVR9732E	HB-NVR9764E
Video / Audio input	IP video input	32 channel	64 channel
		Up to 12 MP for the first 4 Ch. , Up to 8MP for the rest	
	IP audio input	32 channel	64 channel
	Two-way audio	1×RCA (2.0 Vp-p, 1 kΩ)	
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol
		Bandwidth	320Mbps
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK
		Bandwidth	320Mbps
Video / Audio output	Recording resolution	Up to 12 MP for the first 4 Ch. , Up to 8MP for the rest	
	HDMI output	4K (3840×2160)/60Hz, 1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	Audio output	1×RCA (Linear, 1 kΩ)	
Decoding	Decoding standard	H.265 / H.264	
	Live view / playback resolution	Up to 12 MP for the first 4 Ch. , Up to 8MP for the rest	
	Synchronous playback	16 channel	
HDD	SATA	12 SATA interfaces for 12 HDDs	
	Capacity	Up to 8TB capacity for each HDD	
External interface	Network	2×10/100/1000Mbps self-adaptive RJ45 interface	
	USB	Front panel: 1×USB2.0, Rear panel: 1×USB3.0	
	Alarm	16 in / 4 out	
	RS-485	2×RS-485 interfaces	
General	Power supply	220V/250W (100 to 240 VAC, 47 to 63 Hz, 3A)	
	Operating condition	-Temperature: -10°C – 55°C (14°F – 131°F) Humidity: 10 - 90%	
	Dimensions (W×D×H)	440×460×111mm (17.3"×18.1" ×4.3")	

HB-NVR9800E Series NVR

HB-NVR9832E / HB-NVR9864E

Key Features

Original

- SDA+ over LAN technology inside, One-click Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.265 / H.264 video formats
- Up to 64 8MP IP camera can be accessed
- HDMI at up to 4K, VGA at up to 1080P

HD Storage & Communication

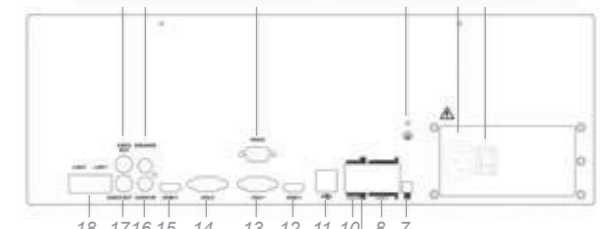
- 16 HDDs supported, Up to 8TB for each
- 2 self-adaptive 10/100/1000M RJ45 interface

Special

- Instant playback for assigned channel during multi-channel live view mode
- Smart search for selected area in the video, and smart playback to improve the efficiency
- Support HDD quota and group mode
- Support HDD hot swap



Physical Interfaces



- 1.Video Out 2.Speaker 3.RS232 4.GND
- 5.AC 100~240V 6.ON/OFF 7.Half Duplex RS485 8.Alarm In
- 9.Full Dulex RS485 10.Alarm Out 11.USB 12.HDMI
- 13.VGA 14.VGA 15.HDMI 16.Audio In
- 17.Audio Out 18.Network Interface

Specifications

Model		HB-NVR9832E	HB-NVR9864E
Video / Audio input	IP video input	32 channel	64 channel
		Up to 12 MP for the first 4 Ch. , Up to 8MP for the rest	
	IP audio input	32 channel	64 channel
	Two-way audio	1×RCA (2.0 Vp-p, 1 kΩ)	
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol
		Bandwidth	320Mbps
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK
		Bandwidth	320Mbps
Video / Audio output	Recording resolution	Up to 12 MP for the first 4 Ch. , Up to 8MP for the rest	
	HDMI output	4K (3840×2160)/60Hz, 1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	Audio output	1×RCA (Linear, 1 kΩ)	
Decoding	Decoding standard	H.265 / H.264	
	Live view / playback resolution	Up to 12 MP for the first 4 Ch. , Up to 8MP for the rest	
	Synchronous playback	16 channel	
HDD	SATA	16 SATA interfaces for 16 HDDs	
	Capacity	Up to 8TB capacity for each HDD	
External interface	Network	2x 10/100/1000Mbps self-adaptive RJ45 interface	
	USB	Front panel: 1×USB2.0, Rear panel: 1×USB3.0	
	Alarm	16 in / 4 out	
	RS-485	2×RS-485 interfaces	
General	Power supply	220V/250W (100 to 240 VAC, 47 to 63 Hz, 3A)	
	Power consumption (without HDD)	TBD	
	Operating condition	Temperature: -10°C – 55°C (14°F – 131°F) Humidity: 10 - 90%	
	Dimensions (W×D×H)	440×460×148.5mm (17.3"×18.1"×5.8")	

HW-IPC263

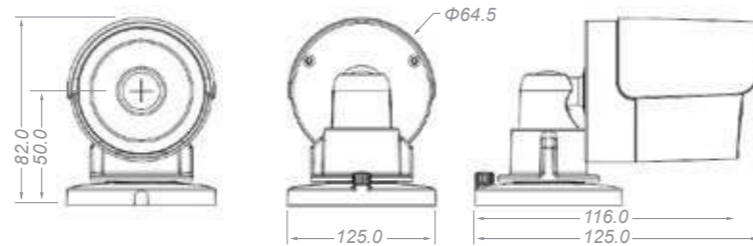
3 MP Fixed Lens Network Bullet Camera



Key Features

- Up to 3 Megapixel high resolution
- H.265 / H.264 video formats
- POE & DC 12V integration design
- 4mm, 6mm, 8mm M12 fixed lens option
- Up to 30 meter IR range
- Dual video streams
- 80dB Wide Dynamic Range
- 3D Digital Noise Reduction
- IP66 weather-proof protection
- Support IE, Chrome, Safari, Firefox
- Latest ONVIF V2.4.1 supported
- Browser plug-in free

Dimension



Specifications

Model	HW-IPC263	
Camera	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color: 0.01Lux @ (F1.6) ,B/W: 0 Lux with IR
	Lens	4mm / 6mm / 8mm M12 fixed lens
	Day &Night	IR cut filter with auto switch
	DNR	3D DNR
	Wide Dynamic Range	80dB
	Angle of View	76° (4mm), 51° (6mm) , 39° (8mm)
Compression Standard	Video Compression	H.265 / H.264
	Dual streams	Support
Image	Max. Resolution	2304×1296
	Frame Rate	50Hz: 25fps(2304×1296, 1920×1080) 60Hz: 30fps (2304×1296, 1920×1080)
	Image Setting	DWDR, Compression, Rotate mode, Saturation, Brightness, Contrast
	ROI Codec	Support, 8 regions
Network	Alarm Trigger	Motion detection, Network disconnect, IP address conflict
	Standards	ONVIF (PROFILE S, PROFILE G), CGI, RTSP, RTMP
Interface	Communication	1 RJ45 10M/100M Ethernet port
	On-board storage	N/A
	Alarm interface	N/A
	Audio interface	N/A
General	Operating Conditions	Temperature: -30°C – 60°C (-22°F – 140°F) Humidity: 95% or less (non-condensing)
	Power Supply	DC12V ± 10%, PoE (802.3af)
	Power Consumption	Max. 5W
	IR Range	Approx. 30 meters (100 feet)
	Ingress Protection	IP66
	Dimensions	65×82×126.5 (2.6"×3.2"×5")

HW-IPC273

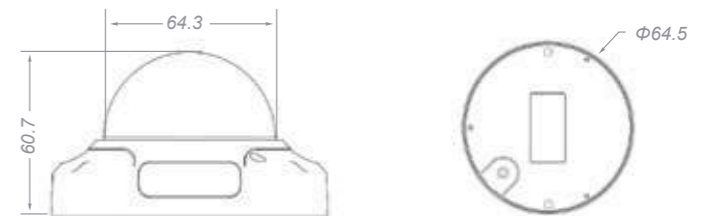
3 MP Fixed Lens Network Dome Camera



Key Features

- Up to 3 Megapixel high resolution
- H.265 / H.264 video formats
- POE & DC 12V integration design
- 4mm, 6mm, 8mm M12 fixed lens option
- Up to 30 meter IR range
- Dual video streams
- 80dB Wide Dynamic Range
- 3D Digital Noise Reduction
- IP66 weather-proof protection
- Support IE, Chrome, Safari, Firefox
- Latest ONVIF V2.4.1 supported
- Browser plug-in free

Dimension



Specifications

Model	HW-IPC273	
Camera	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color: 0.01Lux @ (F1.6) ,B/W: 0 Lux with IR
	Lens	4mm / 6mm M12 fixed lens
	Day &Night	IR cut filter with auto switch
	DNR	3D DNR
	Wide Dynamic Range	80dB
	P&T rotation	Pan: 0° ~ 30°, Tilt: 0° ~ 75°
Compression Standard	Video Compression	H.265 / H.264
	Dual streams	Support
Image	Max. Resolution	2304 x 1296
	Frame Rate	50Hz: 25fps(2304x1296, 1920x1080) 60Hz: 30fps (2304x1296, 1920x1080)
	Image Setting	DWDR, Compression, Rotate mode, Saturation, Brightness, Contrast
	ROI Codec	Support, 8 regions
Network	Alarm Trigger	Motion detection, Network disconnect, IP address conflict
	Standards	ONVIF (PROFILE S, PROFILE G), CGI, RTSP, RTMP
Interface	Communication	1 RJ45 10M/100M Ethernet port
	On-board storage	N/A
	Alarm interface	N/A
	Audio interface	N/A
General	Operating Conditions	Temperature: -30°C – 60°C (-22°F – 140°F) Humidity: 95% or less (non-condensing)
	Power Supply	DC12V ± 10%, PoE (802.3af)
	Power Consumption	Max. 5W
	IR Range	Approx. 15 meters (50 feet)
	Ingress Protection	IP66
	Dimensions	Φ103 × 60.7 (4" × 2.3")

HW-IPC264

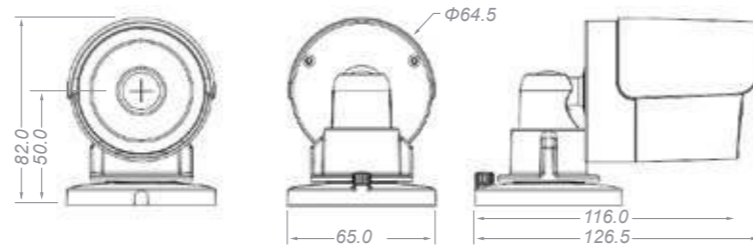
4 MP Fixed Lens Network Bullet Camera



Key Features

- Up to 4 Megapixel high resolution
- H.265 / H.264 video formats
- POE & DC 12V integration design
- 4mm, 6mm, 8mm M12 fixed lens option
- Up to 30 meter IR range
- Dual video streams
- Digital WDR
- 3D Digital Noise Reduction
- IP66 weather-proof protection
- Support IE, Chrome, Safari, Firefox
- Latest ONVIF V2.4.1 supported
- Browser plug-in free

Dimension



Specifications

Model	HW-IPC264	
Camera	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color: 0.01Lux @ (F1.6) ,B/W: 0 Lux with IR
	Lens	4mm / 6mm / 8mm M12 fixed lens
	Day &Night	IR cut filter with auto switch
	DNR	3D DNR
	Wide Dynamic Range	Digital WDR
	Angle of View	76° (4mm), 51° (6mm) , 39° (8mm)
Compression Standard	Video Compression	H.265 / H.264
	Dual streams	Support
Image	Max. Resolution	2560×1440
	Frame Rate	50Hz: 25fps(2560×1440, 1920×1080) 60Hz: 25fps(2560×1440, 1920×1080)
	Image Setting	DWDR, Compression, Rotate mode, Saturation, Brightness, Contrast
	ROI Codec	Support, 8 regions
Network	Alarm Trigger	Motion detection, Network disconnect, IP address conflict
	Standards	ONVIF (PROFILE S, PROFILE G), CGI, RTSP, RTMP
Interface	Communication	1 RJ45 10M/100M Ethernet port
	On-board storage	N/A
	Alarm interface	N/A
	Audio interface	N/A
General	Operating Conditions	Temperature: -30°C – 60°C (-22°F – 140°F) Humidity: 95% or less (non-condensing)
	Power Supply	DC12V ± 10%, PoE (802.3af)
	Power Consumption	Max. 5W
	IR Range	Approx. 30 meters (100 feet)
	Ingress Protection	IP66
	Dimensions	65×82×126.5 (2.6"×3.2"×5")

HW-IPC274

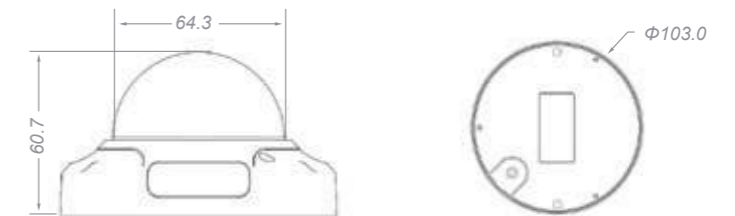
4 MP Fixed Lens Network Dome Camera



Key Features

- Up to 4 Megapixel high resolution
- H.265 / H.264 video formats
- POE & DC 12V integration design
- 4mm, 6mm M12 fixed lens option
- Up to 15 meter IR range
- Dual video streams
- Digital WDR
- 3D Digital Noise Reduction
- IP66 weather-proof protection
- Support IE, Chrome, Safari, Firefox
- Latest ONVIF V2.4.1 supported
- Browser plug-in free

Dimension



Specifications

Model	HW-IPC273	
Camera	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color: 0.01Lux @ (F1.6) ,B/W: 0 Lux with IR
	Lens	4mm / 6mm M12 fixed lens
	Day &Night	IR cut filter with auto switch
	DNR	3D DNR
	Wide Dynamic Range	Digital WDR
	P&T rotation	Pan: 0° ~ 30°, Tilt: 0° ~ 75°
Compression Standard	Video Compression	H.265 / H.264
	Dual streams	Support
Image	Max. Resolution	2560×1440
	Frame Rate	50Hz: 25fps(2560×1440, 1920×1080) 60Hz: 25fps(2560×1440, 1920×1080)
	Image Setting	DWDR, Compression, Rotate mode, Saturation, Brightness, Contrast
	ROI Codec	Support, 8 regions
Network	Alarm Trigger	Motion detection, Network disconnect, IP address conflict
	Standards	ONVIF (PROFILE S, PROFILE G), CGI, RTSP, RTMP
Interface	Communication	1 RJ45 10M/100M Ethernet port
	On-board storage	N/A
	Alarm interface	N/A
	Audio interface	N/A
General	Operating Conditions	Temperature: -30°C – 60°C (-22°F – 140°F) Humidity: 95% or less (non-condensing)
	Power Supply	DC12V ± 10%, PoE (802.3af)
	Power Consumption	Max. 5W
	IR Range	Approx. 15 meters (50 feet)
	Ingress Protection	IP66
	Dimensions	Φ103 × 60.7 (4" × 2.3")

HW-IPC362

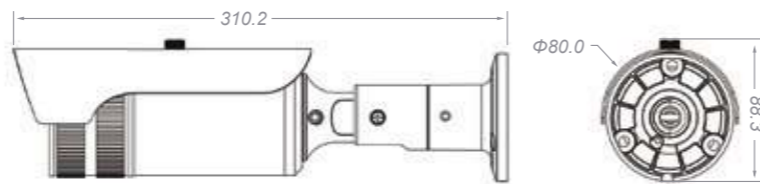
2 MP Motorized Zoom Lens Network Bullet Camera (STARVIS)



Key Features

- Up to 2 Megapixel high resolution
- H.265 / H.264 video formats
- POE & DC 12V integration design
- 2.8~12mm motorized zoom lens
- Up to 50 meter IR range
- Dual video streams
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- IP66 weather-proof protection
- Support IE, Chrome, Safari, Firefox
- Latest ONVIF V2.4.1 supported
- Browser plug-in free

Dimension



Specifications

Model		HW-IPC362
Camera	Image Sensor	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.001Lux @ (F1.6) ,B/W: 0 Lux with IR
	Lens	2.8~12mm motorized zoom lens
	Day &Night	IR cut filter with auto switch
	DNR	3D DNR
	Wide Dynamic Range	120dB
	Angle of View	103° (2.8mm), 30.8° (12mm)
Compression Standard	Video Compression	H.265 / H.264
	Dual streams	Support
Image	Max. Resolution	1920×1080
	Frame Rate	50Hz: 25fps (1920×1080) 60Hz: 30fps (1920×1080)
	Image Setting	WDR, Compression, Rotate mode, Saturation, Brightness, Contrast
	ROI Codec	Support, 8 regions
Network	Alarm Trigger	Motion detection, Network disconnect, IP address conflict
	Standards	ONVIF (PROFILE S, PROFILE G), CGI, RTSP, RTMP
Interface	Communication	1 RJ45 100M/1000M Ethernet port
	On-board storage	Build-in Micro SD/SDHC/SDXC slot, up to 128GB
	Alarm interface	1× Alarm I/O
	Audio interface	1× Audio in
General	Operating Conditions	Temperature: -30°C – 60°C (-22°F – 140°F) Humidity: 95% or less (non-condensing)
	Power Supply	DC12V ± 10%, PoE (802.3af)
	Power Consumption	Max. 8W
	IR Range	Approx. 50 meters (160 feet)
	Ingress Protection	IP66
	Dimensions	310.2×80×88.3 (12.2"×3.1"×3.5")

HW-IPC372

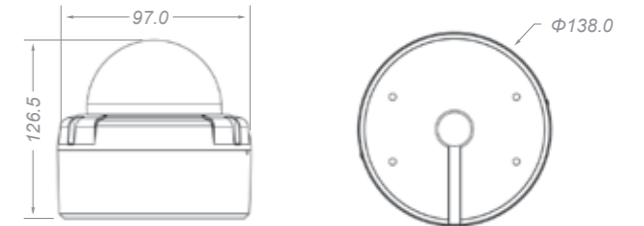
2 MP Motorized Zoom Lens Network Dome Camera (STARVIS)



Key Features

- Up to 2 Megapixel high resolution
- H.265 / H.264 video formats
- POE & DC 12V integration design
- 2.8~12mm motorized zoom lens
- Up to 30 meter IR range
- Dual video streams
- 120dB Wide Dynamic Range
- 3D Digital Noise Reduction
- IP66 weather-proof protection
- Support IE, Chrome, Safari, Firefox
- Latest ONVIF V2.4.1 supported
- Browser plug-in free

Dimension



Specifications

Model		HW-IPC372
Camera	Image Sensor	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.001Lux @ (F1.6) ,B/W: 0 Lux with IR
	Lens	2.8~12mm motorized zoom lens
	Day &Night	IR cut filter with auto switch
	DNR	3D DNR
	Wide Dynamic Range	120dB
	P&T rotation	Pan: 0° ~ 355°, Tilt: 0° ~ 90°, Rotation: 0° ~ 30°
Compression Standard	Video Compression	H.265 / H.264
	Dual streams	Support
Image	Max. Resolution	1920 × 1080
	Frame Rate	50Hz: 25fps (1920×1080) 60Hz: 30fps (1920×1080)
	Image Setting	WDR, Compression, Rotate mode, Saturation, Brightness, Contrast
	ROI Codec	Support, 8 regions
Network	Alarm Trigger	Motion detection, Network disconnect, IP address conflict
	Standards	ONVIF (PROFILE S, PROFILE G), CGI, RTSP, RTMP
Interface	Communication	1 RJ45 100M/1000M Ethernet port
	On-board storage	Build-in Micro SD/SDHC/SDXC slot, up to 128GB
	Alarm interface	1× Alarm I/O
	Audio interface	1× Audio in
General	Operating Conditions	Temperature: -30°C – 60°C (-22°F – 140°F) Humidity: 95% or less (non-condensing)
	Power Supply	DC12V ± 10%, PoE (802.3af)
	Power Consumption	Max. 8W
	IR Range	Approx. 30 meters (100 feet)
	Ingress Protection	IP66
	Dimensions	Φ138 × 126.5 (5.4" × 5")

HW-IPC364

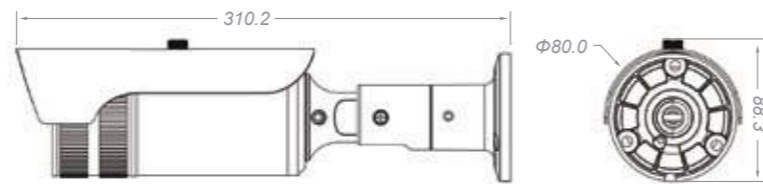
4 MP Motorized Zoom Lens Network Bullet Camera



Key Features

- Up to 4 Megapixel high resolution
- H.265 / H.264 video formats
- POE & DC 12V integration design
- 2.8~12mm motorized zoom lens
- Up to 50 meter IR range
- Dual video streams
- Digital WDR
- 3D Digital Noise Reduction
- IP66 weather-proof protection
- Support IE, Chrome, Safari, Firefox
- Latest ONVIF V2.4.1 supported
- Browser plug-in free

Dimension



Specifications

Model		HW-IPC364
Camera	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color: 0.01Lux @ (F1.6) ,B/W: 0 Lux with IR
	Lens	2.8~12mm motorized zoom lens
	Day &Night	IR cut filter with auto switch
	DNR	3D DNR
	Wide Dynamic Range	Digital WDR
	Angle of View	91° (2.8mm), 28° (12mm)
Compression Standard	Video Compression	H.265 / H.264
	Dual streams	Support
Image	Max. Resolution	2560 x 1440
	Frame Rate	50Hz: 25fps(2560 x 1440, 1920 x 1080) 60Hz: 25fps(2560 x 1440, 1920 x 1080)
	Image Setting	DWDR, Compression, Rotate mode, Saturation, Brightness, Contrast
	ROI Codec	Support, 8 regions
Network	Alarm Trigger	Motion detection, Network disconnect, IP address conflict
	Standards	ONVIF (PROFILE S, PROFILE G), CGI, RTSP, RTMP
Interface	Communication	1 RJ45 100M/1000M Ethernet port
	On-board storage	Build-in Micro SD/SDHC/SDXC slot, up to 128GB
	Alarm interface	1× Alarm I/O
	Audio interface	1× Audio in
General	Operating Conditions	Temperature: -30°C – 60°C (-22°F – 140°F) Humidity: 95% or less (non-condensing)
	Power Supply	DC12V ± 10%, PoE (802.3af)
	Power Consumption	Max. 8W
	IR Range	Approx. 50 meters (160 feet)
	Ingress Protection	IP66
	Dimensions	310.2×80×88.3 (12.2"×3.1"×3.5")

HW-IPC374

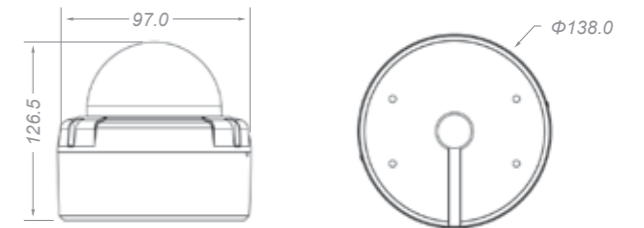
4 MP Motorized Zoom Lens Network Dome Camera



Key Features

- Up to 4 Megapixel high resolution
- H.265 / H.264 video formats
- POE & DC 12V integration design
- 2.8~12mm motorized zoom lens
- Up to 30 meter IR range
- Dual video streams
- Digital WDR
- 3D Digital Noise Reduction
- IP66 weather-proof protection
- Support IE, Chrome, Safari, Firefox
- Latest ONVIF V2.4.1 supported
- Browser plug-in free

Dimension



Specifications

Model		HW-IPC374
Camera	Image Sensor	1/3" Progressive Scan CMOS
	Min. Illumination	Color: 0.01Lux @ (F1.6) ,B/W: 0 Lux with IR
	Lens	2.8~12mm motorized zoom lens
	Day &Night	IR cut filter with auto switch
	DNR	3D DNR
	Wide Dynamic Range	Digital WDR
	P&T rotation	Pan: 0° ~ 355°, Tilt: 0° ~ 90°, Rotation: 0° ~ 30°
Compression Standard	Video Compression	H.265 / H.264
	Dual streams	Support
Image	Max. Resolution	2560×1440
	Frame Rate	50Hz: 25fps(2560×1440, 1920×1080) 60Hz: 25fps(2560×1440, 1920×1080)
	Image Setting	DWDR, Compression, Rotate mode, Saturation, Brightness, Contrast
	ROI Codec	Support, 8 regions
Network	Alarm Trigger	Motion detection, Network disconnect, IP address conflict
	Standards	ONVIF (PROFILE S, PROFILE G), CGI, RTSP, RTMP
Interface	Communication	1 RJ45 100M/1000M Ethernet port
	On-board storage	Build-in Micro SD/SDHC/SDXC slot, up to 128GB
	Alarm interface	1× Alarm I/O
	Audio interface	1× Audio in
General	Operating Conditions	Temperature: -30°C – 60°C (-22°F – 140°F) Humidity: 95% or less (non-condensing)
	Power Supply	DC12V ± 10%, PoE (802.3af)
	Power Consumption	Max. 8W
	IR Range	Approx. 30 meters (100 feet)
	Ingress Protection	IP66
	Dimensions	Φ138 × 126.5 (5.4" × 5")

HW-IPC368

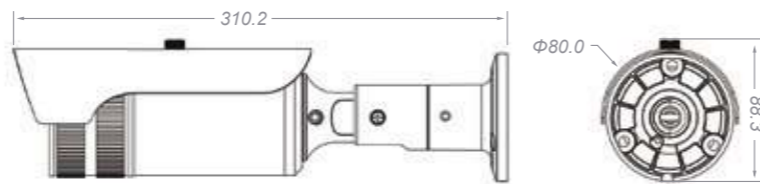
8 MP Motorized Zoom Lens Network Bullet Camera



Key Features

- Up to 4K high resolution
- H.265 / H.264 video formats
- POE & DC 12V integration design
- 2.8~12mm motorized zoom lens
- Up to 50 meter IR range
- Dual video streams
- 80dB Wide Dynamic Range
- 3D Digital Noise Reduction
- IP66 weather-proof protection
- Support IE, Chrome, Safari, Firefox
- Latest ONVIF V2.4.1 supported
- Browser plug-in free

Dimension



Specifications

Model		HW-IPC368
Camera	Image Sensor	1/1.7" Progressive Scan CMOS
	Min. Illumination	Color: 0.01Lux @ (F2.0) ,B/W: 0 Lux with IR
	Lens	3~8mm motorized zoom lens
	Day &Night	IR cut filter with auto switch
	DNR	3D DNR
	Wide Dynamic Range	120dB
	Angle of View	TBD
Compression Standard	Video Compression	H.265 / H.264
	Dual streams	Support
Image	Max. Resolution	3840 x 2160
	Frame Rate	50Hz: 25fps (3840×2160, 3200×1800, 2688×1520, 1920×1080) 60Hz: 30fps (3840×2160, 3200×1800, 2688×1520, 1920×1080)
	Image Setting	WDR, Compression, Rotate mode, Saturation, Brightness, Contrast
	ROI Codec	Support, 4 regions
Network	Alarm Trigger	Motion detection, Network disconnect, IP address conflict
	Standards	ONVIF (PROFILE S, PROFILE G), CGI, RTSP, RTMP
Interface	Communication	1 RJ45 10M/100M Ethernet port
	On-board storage	Build-in Micro SD/SDHC/SDXC slot, up to 128GB
	Alarm interface	1× Alarm I/O
	Audio interface	1× Audio in
General	Operating Conditions	Temperature: -30°C – 60°C (-22°F – 140°F) Humidity: 95% or less (non-condensing)
	Power Supply	DC12V ± 10%, PoE (802.3af)
	Power Consumption	Max. 8W
	IR Range	Approx. 50 meters (160 feet)
	Ingress Protection	IP66
	Dimensions	310.2×80×88.3 (12.2"×3.1"×3.5")

HW-IPC378

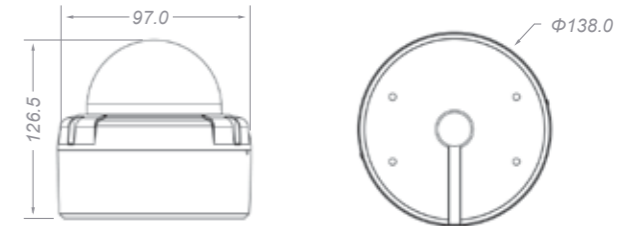
8 MP Motorized Zoom Lens Network Dome Camera



Key Features

- Up to 4K high resolution
- H.265 / H.264 video formats
- POE & DC 12V integration design
- 2.8~12mm motorized zoom lens
- Up to 30 meter IR range
- Dual video streams
- 80dB Wide Dynamic Range
- 3D Digital Noise Reduction
- IP66 weather-proof protection
- Support IE, Chrome, Safari, Firefox
- Latest ONVIF V2.4.1 supported
- Browser plug-in free

Dimension



Specifications

Model		HW-IPC378
Camera	Image Sensor	1/1.7" Progressive Scan CMOS
	Min. Illumination	Color: 0.01Lux @ (F2.0) ,B/W: 0 Lux with IR
	Lens	3~8mm motorized zoom lens
	Day &Night	IR cut filter with auto switch
	DNR	3D DNR
	Wide Dynamic Range	120dB
	P&T rotation	TBD
Compression Standard	Video Compression	H.265 / H.264
	Dual streams	Support
Image	Max. Resolution	3840×2160
	Frame Rate	50Hz: 25fps (3840×2160, 3200×1800, 2688×1520, 1920×1080) 60Hz: 30fps (3840×2160, 3200×1800, 2688×1520, 1920×1080)
	Image Setting	WDR, Compression, Rotate mode, Saturation, Brightness, Contrast
	ROI Codec	Support, 4 regions
Network	Alarm Trigger	Motion detection, Network disconnect, IP address conflict
	Standards	ONVIF (PROFILE S, PROFILE G), CGI, RTSP, RTMP
Interface	Communication	1 RJ45 10M/100M Ethernet port
	On-board storage	Build-in Micro SD/SDHC/SDXC slot, up to 128GB
	Alarm interface	1× Alarm I/O
	Audio interface	1× Audio in
General	Operating Conditions	Temperature: -30°C – 60°C (-22°F – 140°F) Humidity: 95% or less (non-condensing)
	Power Supply	DC12V ± 10%, PoE (802.3af)
	Power Consumption	Max. 8W
	IR Range	Approx. 30 meters (100 feet)
	Ingress Protection	IP66
	Dimensions	Φ138 × 126.5 (5.4" × 5")

H.264 Solution

HB-NVR2200E-P Series NVR

HB-NVR2208E-P / HB-NVR2216E-P / HB-NVR2216E-16P / HB-NVR2224E-P

Key Features

Original

- SDA technology inside, Plug & Play Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.264 video formats
- Up to 16 5MP IP camera can be accessed
- HDMI at up to 1080P, VGA at up to 1080P

HD Storage & Communication

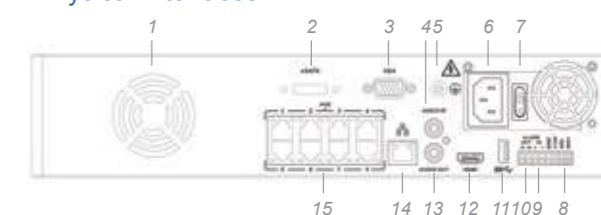
- 2 HDDs supported, Up to 8TB for each
- 1 self-adaptive 10/100/1000M RJ45 interface
- Up to 16 POE RJ45 interfaces

Special

- Instant playback for assigned channel during multi-channel live view mode
- Support HDD quota and group mode
- Support HDD hot swap



Physical Interfaces



- 1.Fan 2.eSATA 3.VGA 4.Audio In
5.GND 6.AC 100~240V 7.ON/OFF 8.RS485
9.Alarm In 10.Alarm Out 11.USB 12.HDMI
13.Audio Out 14.Network Interface 15.POE

Specifications

Model	HB-NVR2208E-P	HB-NVR2216E-P	HB-NVR2216E-16P	HB-NVR2224E-P	
Video / Audio input	IP video input	8 channel	16 channel	16 channel	24 channel
	IP audio input	Up to 5MP for each channel			
	Two-way audio	8 channel	16 channel	16 channel	24 channel
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol		
		Bandwidth	200Mbps		
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK		
		Bandwidth	100Mbps		
Video / Audio output	Recording resolution	Up to 5MP for each channel			
	HDMI output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280× 1024/60Hz			
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280× 1024/60Hz			
	Audio output	1× RCA (Linear, 1 kΩ)			
Decoding	Decoding standard	H.264			
	Live view / playback resolution	Up to 5MP			
	Synchronous playback	All channel real-time synchronous playback			
HDD	SATA	2 SATA interfaces for 2 HDDs			
	Capacity	Up to 8TB capacity for each HDD			
External interface	Network	1x 10/100/1000Mbps self-adaptive RJ45 interface			
	USB	Front panel: 1× USB2.0, Rear panel: 1× USB3.0			
	Alarm	2 in / 1 out			
	RS-485	1× RS485 interface			
	E-SATA	1× e-SATA	N/A	1× e-SATA	
POE	Interface	8× RJ45	16× RJ45	8× RJ45	
	Max. power	120W	240W	120W	
	Standard	IEEE 802.3af / at			
General	Power supply	100-240 VAC, 47-63 Hz, 3A	100-240V, 47-63Hz, 6A	100-240 VAC, 47-63 Hz, 3A	
	Operating condition	-10°C – 55°C (14°F – 131°F), Humidity 10 - 90%			
	Dimensions (W×D×H)	340×217.6×77mm (13.8"×8.5"×3")			

HB-NVR2400E-P Series NVR

HB-NVR2416E-P / HB-NVR2424E-P

Key Features

Original

- SDA technology inside, Plug & Play Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.264 video formats
- Up to 24 5MP IP camera can be accessed
- HDMI at up to 1080P, VGA at up to 1080P

HD Storage & Communication

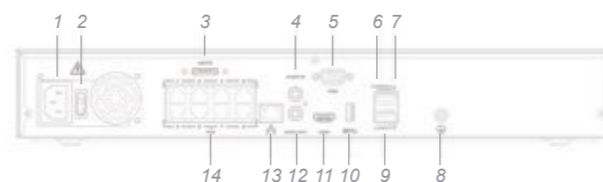
- 4 HDDs supported, Up to 8TB for each
- 1 self-adaptive 10/100/1000M RJ45 interface
- Up to 8 POE RJ45 interfaces

Special

- Instant playback for assigned channel during multi-channel live view mode
- Support HDD quota and group mode



Physical Interfaces



- 1.AC 100~240V
- 2.ON/OFF
- 3.eSATA
- 4.Audio In
- 5.VGA
- 6.Alarm Out
- 7.RS485
- 8.GND
- 9.Alarm In
- 10.USB
- 11.HDMI
- 12.Audio Out
- 13.Network Interface
- 14.POE

Specifications

Model	HB-NVR2416E-P	HB-NVR2424E-P	
Video / Audio input	IP video input	16 channel Up to 5MP for each channel	24 channel
	IP audio input	16 channel	24 channel
	Two-way audio	1× RCA (2.0 Vp-p, 1 kΩ)	
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol
		Bandwidth	200Mbps
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK
		Bandwidth	100Mbps
Video / Audio output	Recording resolution	Up to 5MP for each channel	
	HDMI output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280× 1024/60Hz	
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280× 1024/60Hz	
	Audio output	1× RCA (Linear, 1 kΩ)	
Decoding	Decoding standard	H.264	
	Live view / playback resolution	Up to 5MP	
	Synchronous playback	All channel real-time synchronous playback	
HDD	SATA	4 SATA interfaces for 4 HDDs	
	Capacity	Up to 8TB capacity for each HDD	
External interface	Network	1× 10/100/1000Mbps self-adaptive RJ45 interface	
	USB	Front panel: 1× USB2.0, Rear panel: 1× USB3.0	
	Alarm	4 in / 2 out	
	RS-485	1× RS485 interface	
	E-SATA	1× e-SATA interface	
POE	Interface	8× RJ45	
	Max. power	120W	
	Standard	IEEE 802.3af / at	
General	Power supply	100-240 VAC, 47-63 Hz, 3A	
	Operating condition	-10°C – 55°C (14°F – 131°F), Humidity 10 - 90%	
	Dimensions (W×D×H)	440×301.5×70.1mm (17.3"×11.8"×2.7")	

HB-NVR2100E Series NVR

HB-NVR2106E / HB-NVR2109E

Key Features

Original

- SDA over LAN technology inside, One click Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.264 video formats
- Up to 9 2MP IP camera can be accessed
- HDMI at up to 1080P, VGA at up to 1080P

HD Storage & Communication

- 1 HDDs supported, Up to 8TB for each
- 1 self-adaptive 10/100M RJ45 interface



Physical Interfaces



- 1.VGA
- 2.Network Interface
- 3.GND
- 4.DC 12V
- 5.USB
- 6.HDMI

Specifications

Model	HB-NVR2106E	HB-NVR2109E	
Video / Audio input	IP video input	6 channel Up to 2 MP resolution	9 channel
	IP audio input	6 channel	9 channel
	Two-way audio	N/A	
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol
		Bandwidth	50Mbps
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK
		Bandwidth	50Mbps
Video / Audio output	Recording resolution	Up to 2 MP resolution	
	HDMI output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	Audio output	N/A	
Decoding	Decoding standard	H.264	
	Live view / playback resolution	Up to 2 MP resolution	
	Synchronous playback	All channel synchronous playback	
HDD	SATA	1 SATA interface for 1 HDD	
	Capacity	Up to 8TB capacity for each HDD	
External interface	Network	1× 10/100Mbps self-adaptive RJ45 interface	
	USB	Rear panel: 2× USB2.0	
	Alarm	N/A	
	RS-485	N/A	
	E-SATA	N/A	
General	Power supply	12V 24W	
	Operating condition	-10°C – 55°C (14°F – 131°F), Humidity 10 - 90%	
	Dimensions (W×D×H)	254×180×49.5mm (10"× 7" ×1.9")	

HB-NVR2200E Series NVR

HB-NVR2208E / HB-NVR2216E / HB-NVR2224E

Key Features

Original

- SDA over LAN technology inside, One click Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.264 video formats
- Up to 24 5MP IP camera can be accessed
- HDMI at up to 1080P, VGA at up to 1080P

HD Storage & Communication

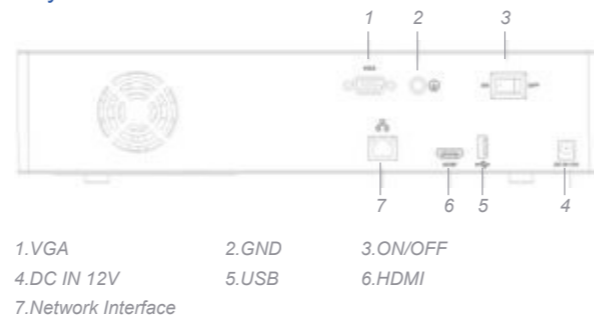
- 1 HDDs supported, Up to 8TB for each
- 1 self-adaptive 10/100/1000M RJ45 interface

Special

- Instant playback for assigned channel during multi-channel live view mode
- Support HDD quota and group mode
- Support HDD hot swap



Physical Interfaces



Specifications

Model		HB-NVR2208E	HB-NVR2216E	HB-NVR2224E
Video / Audio input	IP video input	8 channel	16 channel	24 channel
		Up to 5 MP resolution		
	IP audio input	8 channel	16 channel	24 channel
	Two-way audio	N/A		
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol	
		Bandwidth	200Mbps	
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK	
		Bandwidth	100Mbps	
Video / Audio output	Recording resolution	Up to 5 MP resolution		
	HDMI output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz		
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz		
	Audio output	N/A		
Decoding	Decoding standard	H.264		
	Live view / playback resolution	Up to 5 MP resolution		
	Synchronous playback	All channel synchronous playback		
HDD	SATA	2 SATA interface for 2 HDDs		
	Capacity	Up to 8TB capacity for each HDD		
External interface	Network	1× 10/100/1000Mbps self-adaptive RJ45 interface		
	USB	Front panel: 1× USB2.0, Rear panel: 1× USB3.0		
	Alarm	N/A		
	RS-485	N/A		
	E-SATA	N/A		
General	Power supply	12V 40W		
	Operating condition	-10°C – 55°C (14°F – 131°F), Humidity 10 - 90%		
	Dimensions (W×D×H)	340×217.6×77mm (13.8" ×8.5" ×3")		

HB-NVR2400E Series NVR

HB-NVR2416E / HB-NVR2424E

Key Features

Original

- SDA technology inside, Plug&Play Access third-party ONVIF camera
- All channel real-time synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.264 video formats
- Up to 24 5MP IP camera can be accessed
- HDMI at up to 1080P, VGA at up to 1080P

HD Storage & Communication

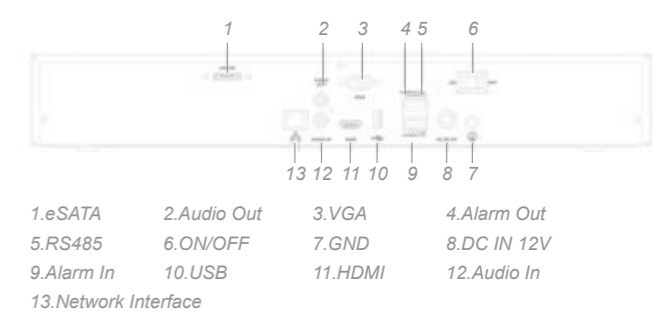
- 4 HDDs supported, Up to 8TB for each
- 1 self-adaptive 10/100/1000M RJ45 interface

Special

- Instant playback for assigned channel during multi-channel live view mode
- Support HDD quota and group mode



Physical Interfaces



Specifications

Model		HB-NVR2416E	HB-NVR2424E	
Video / Audio input	IP video input	16 channel	24 channel	
		Up to 5MP for each channel		
	IP audio input	16 channel	24 channel	
	Two-way audio	1× RCA (2.0 Vp-p, 1 kΩ)		
Network	Incoming	Standard	ONVIF, RTSP, HB-protocol	
		Bandwidth	200Mbps	
	Outgoing	Standard	CGI, RTSP, RTMP(Only for H.264), HB-SDK	
		Bandwidth	100Mbps	
Video / Audio output	Recording resolution	Up to 5 MP for each channel		
	HDMI output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz		
	VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz		
	Audio output	1× RCA (Linear, 1 kΩ)		
Decoding	Decoding standard	H.264		
	Live view / playback resolution	Up to 5MP		
	Synchronous playback	All channel real-time synchronous playback		
HDD	SATA	4 SATA interfaces for 4 HDDs		
	Capacity	Up to 8TB capacity for each HDD		
External interface	Network	1× 10/100/1000Mbps self-adaptive RJ45 interface		
	USB	Front panel: 1× USB2.0, Rear panel: 1× USB3.0		
	Alarm	4 in / 2 out		
	RS-485	1× RS485 interface		
	E-SATA	1× e-SATA interface		
General	Power supply	12V 90W		
	Operating condition	-10°C – 55°C (14°F – 131°F), Humidity 10 - 90%		
	Dimensions (W×D×H)	440×301.5×70.1mm (17.3"×11.8"×2.7")		

HB-DVR5100-BC Series HD-DVR

HB-DVR5104-BC / HB-DVR5108-BC / HB-DVR5116-BC

Key Features

Original

- Auto adjust the frame resource to fit connected video
- All channel synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.264 video formats
- Up to 16 720P AHD camera can be accessed
- HDMI / VGA at up to 1080P

HD Storage & Communication

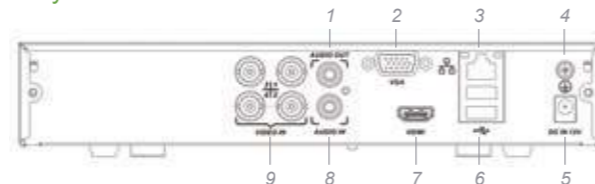
- 1 HDD supported, Up to 8TB for each
- 1 self-adaptive 10/100Mbps RJ45 interface

Special

- Auto record when camera be connected



Physical Interfaces



- 1.AudioOut 2.VGA 3.Network Interface
- 4.GND 5.DC 12V 6.USB
- 7.HDMI 8.Audio In 9.Video In

Specifications

Model	HB-DVR5104-BC	HB-DVR5108-BC	HB-DVR5116-BC	
Video / Audio input	AHD video input	4 Ch.	8 Ch.	16 Ch.
		BNC interface (1.0Vp-p, 75Ω)		
	Supported camera types	AHD, 720P30, 720P25, 960H		
Audio input		2 Ch.		
		RCA interface (2.0Vp-p, 1KΩ)		
Video / Audio output	HDMI / VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz		
	Audio output	RCA (Linear, 1KΩ)		
Video / Audio codec	Video compression	H.264		
	Dual-stream	Support		
	Encoding resolution	720P (1280×720)		
	Frame rate	100fps	150fps	300fps
	Audio compression	G.711u		
Synchronous playback	All channel synchronous playback			
HDD	SATA	1× SATA interface for 1 HDD		
	Capacity	Up to 8TB capacity for each HDD		
External interfaces	Network	1× 10/100Mbps self-adaptive RJ45 interface		
	USB	Rear panel: 2× USB2.0		
	Alarm	N/A		
	RS-485	N/A	1× RS485 interface	
	e-SATA	N/A		
General	Power supply	12V 24W		
	Operating condition	-10°C – 55°C (14°F – 131°F), Humidity 10 - 90%		
	Dimensions (WxDxH)	254×180×49.5mm (10"×7"×1.9")		324×256.8×53.7mm (12.7"×10.1"×2.1")

HB-DVR5100-BH Series HD-DVR

HB-DVR5104-BH / HB-DVR5108-BH / HB-DVR5116-BH

Key Features

Original

- Auto adjust the frame resource to fit connected video
- All channel synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.264 video formats
- Up to 16 720P AHD camera can be accessed
- HDMI / VGA at up to 1080P

HD Storage & Communication

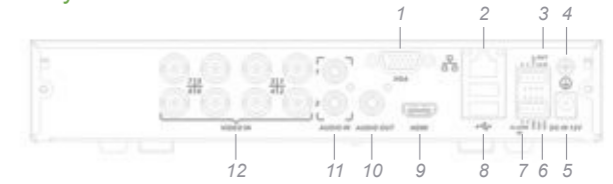
- 1 HDD supported, Up to 8TB for each
- 1 self-adaptive 10/100Mbps RJ45 interface

Special

- Auto record when camera be connected



Physical Interfaces



- 1.VGA 2.Network Interface 3.Alarm Out 4.GND
- 5.DC 12V 6.RS485 7.Alarm In 8.USB
- 9.HDMI 10.Audio Out 11.Audio In 12.Video In

Specifications

Model	HB-DVR5104-BH	HB-DVR5108-BH	HB-DVR5116-BH	
Video / Audio input	AHD video input	4 Ch.	8 Ch.	16 Ch.
		BNC interface (1.0Vp-p, 75Ω)		
	Supported camera types	AHD, 720P30, 720P25, 960H		
Audio input		2 Ch.		
		RCA interface (2.0Vp-p, 1KΩ)		
Video / Audio output	HDMI / VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz		
	Audio output	RCA (Linear, 1KΩ)		
Video / Audio codec	Video compression	H.264		
	Dual-stream	Support		
	Encoding resolution	720P (1280×720)		
	Frame rate	100fps	150fps	300fps
	Audio compression	G.711u		
Synchronous playback	All channel synchronous playback			
HDD	SATA	1× SATA interface for 1 HDD		
	Capacity	Up to 8TB capacity for each HDD		
External interfaces	Network	1× 10/100Mbps self-adaptive RJ45 interface		
	USB	Rear panel: 2× USB2.0		
	Alarm	4 in / 1 out		
	RS-485	1× RS485 interface		
	e-SATA	N/A		
General	Power supply	12V 24W		
	Operating condition	-10°C – 55°C (14°F – 131°F), Humidity 10 - 90%		
	Dimensions (WxDxH)	380×290×45mm (15"×11.4"×1.8")		324×256.8×53.7mm (12.7"×10.1"×2.1")

HB-DVR5200-B Series HD-DVR

HB-DVR5216-B

Key Features

Original

- Auto adjust the frame resource to fit connected video
- All channel synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.264 video formats
- Up to 16 720P AHD camera can be accessed
- HDMI / VGA at up to 1080P

HD Storage & Communication

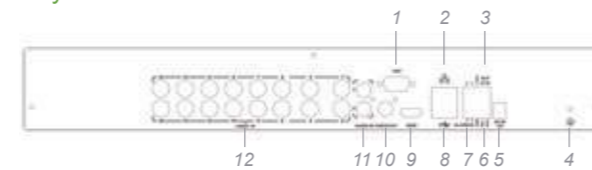
- 2 HDDs supported, Up to 8TB for each
- 1 self-adaptive 10/100Mbps RJ45 interface

Special

- Auto record when camera be connected



Physical Interfaces



- 1.VGA 2.Network Interface 3.Alarm Out 4.GND
- 5.DC 12V 6.RS485 7.Alarm In 8.USB
- 9.HDMI 10.Audio Out 11.Audio In 12.Video In

Specifications

Model		HB-DVR5216-B
Video / Audio input	AHD video input	16 Ch. BNC interface (1.0Vp-p, 75Ω)
	Supported camera types	AHD, 720P30, 720P25, 960H
	Audio input	2 Ch. RCA interface (2.0Vp-p, 1KΩ)
Video / Audio output	HDMI / VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz
	Audio output	RCA (Linear, 1KΩ)
Video / Audio codec	Video compression	H.264
	Dual-stream	Support
	Encoding resolution	720P (1280×720)
	Frame rate	300fps
	Audio compression	G.711u
	Synchronous playback	All channel synchronous playback
HDD	SATA	2× SATA interface for 2 HDDs
	Capacity	Up to 8TB capacity for each HDD
External interfaces	Network	1× 10/100Mbps self-adaptive RJ45 interface
	USB	Front panel: 1× USB2.0, Rear panel: 1× USB2.0
	Alarm	4 in / 1 out
	RS-485	1× RS485 interface
	e-SATA	N/A
General	Power supply	12V 40W
	Operating condition	-10°C – 55°C (14°F – 131°F), Humidity 10 - 90%
	Dimensions (W×D×H)	440×301.5×70.1mm (17.3"×11.8"×2.7")

HB-DVR5100E-C Series HD-DVR

HB-DVR5104E-C / HB-DVR5108E-C / HB-DVR5116E-C

Key Features

Original

- Auto adjust the frame resource to fit connected video
- All channel synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.264 video formats
- Up to 16 1080P AHD / Analog camera can be accessed
- HDMI / VGA at up to 1080P

HD Storage & Communication

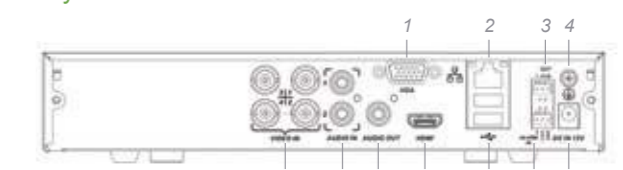
- 1 HDD supported, Up to 8TB for each
- 1 self-adaptive 10/100Mbps RJ45 interface

Special

- Auto record when camera be connected



Physical Interfaces



- 1.VGA 2.Network Interface 3.Alarm Out 4.GND
- 5.DC 12V 6.Alarm In 7.USB 8.HDMI
- 9.Audio Out 10.Audio In 11.Video In

Specifications

Model		HB-DVR5104E-C	HB-DVR5108E-C	HB-DVR5116E-C
Video / Audio input	AHD video input	4 Ch. BNC interface (1.0Vp-p, 75Ω)	8 Ch.	16 Ch.
	Supported camera types	AHD / Analog, 1080P30, 1080P25, 720P30, 720P25, 960H		
	Audio input	2 Ch. RCA interface (2.0Vp-p, 1KΩ)		
Video / Audio output	HDMI / VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz		
	Audio output	RCA (Linear, 1KΩ)		
Video / Audio codec	Video compression	H.264		
	Dual-stream	Support		
	Encoding resolution	1080H (960×1080), 720P (1280×720), 960H, D1		
	Frame rate	120fps	120fps	240fps
	Audio compression	G.711u		
	Synchronous playback	All channel synchronous playback		
HDD	SATA	1× SATA interface for 1 HDD		
	Capacity	Up to 8TB capacity for each HDD		
External interfaces	Network	1× 10/100Mbps self-adaptive RJ45 interface		
	USB	Rear panel: 2× USB2.0		
	Alarm	2 in / 1 out		
	RS-485	N/A		
	e-SATA	N/A		
General	Power supply	12V 24W		
	Operating condition	-10°C – 55°C (14°F – 131°F), Humidity 10 - 90%		
	Dimensions (W×D×H)	380×290×45mm (15"×11.4"×1.8")		324×256.8×53.7mm (12.7"×10.1"× 2.1")

HB-DVR5100E-D Series HD-DVR

HB-DVR5104E-D / HB-DVR5108E-D

Key Features

Original

- Auto adjust the frame resource to fit connected video
- All channel synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.264 video formats
- Up to 16 1080P AHD / Analog camera can be accessed
- HDMI / VGA at up to 1080P

HD Storage & Communication

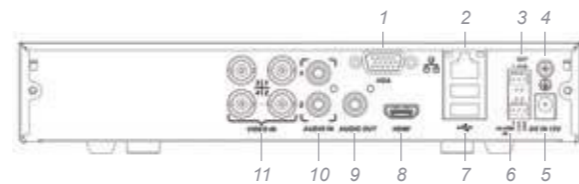
- 1 HDD supported, Up to 8TB for each
- 1 self-adaptive 10/100Mbps RJ45 interface

Special

- Auto record when camera be connected



Physical Interfaces



- 1.VGA 2.Network Interface 3.Alarm Out 4.GND
- 5.DC 12V 6.Alarm In 7.USB 8.HDMI
- 9.Audio Out 10.Audio In 11.Video In

Specifications

Model	HB-DVR5104E-D	HB-DVR5108E-D	
Video / Audio input	AHD video input	4 Ch. BNC interface (1.0Vp-p, 75Ω)	8 Ch.
	Supported camera types	AHD / Analog, 1080P30, 1080P25, 720P30, 720P25, 960H	
	Audio input	2 Ch. RCA interface (2.0Vp-p, 1KΩ)	
Video / Audio output	HDMI / VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz	
	Audio output	RCA (Linear, 1KΩ)	
Video / Audio codec	Video compression	H.264	
	Dual-stream	Support	
	Encoding resolution	1080P (1920×1080), 720P (1280×720), 960H, D1	
	Frame rate	60fps	120fps
	Audio compression	G.711u	
Synchronous playback	All channel synchronous playback		
HDD	SATA	1× SATA interface for 1 HDD	
	Capacity	Up to 8TB capacity for each HDD	
External interfaces	Network	1× 10/100Mbps self-adaptive RJ45 interface	
	USB	Rear panel: 2× USB2.0	
	Alarm	4 in / 1 out	
	RS-485	N/A	1× RS485 interface
	e-SATA	N/A	
General	Power supply	12V 24W	
	Operating condition	-10°C – 55°C (14°F – 131°F), Humidity 10 - 90%	
	Dimensions (W×D×H)	380×290×45mm (15"×11.4"×1.8")	

HB-DVR5200/5400E-D Series HD-DVR

HB-DVR5216E-D / HB-DVR5416E-D

Key Features

Original

- Auto adjust the frame resource to fit connected video
- All channel synchronous playback
- Support IE, Chrome, Firefox, Safari, and browser plug-in free
- All channel synchronous live view and playback by smart phone

HD Input & Output

- H.264 video formats
- 16 1080P AHD / Analog camera can be accessed
- HDMI / VGA at up to 1080P

HD Storage & Communication

- 2/4 HDD supported, Up to 8TB for each
- 1 self-adaptive 10/100Mbps RJ45 interface

Special

- Auto record when camera be connected



Specifications

Model	HB-DVR5216E-D	HB-DVR5416E-D
Video / Audio input	AHD video input	16 Ch. BNC interface (1.0Vp-p, 75Ω)
	Supported camera types	AHD / Analog, 1080P30, 1080P25, 720P30, 720P25, 960H
	Audio input	2 Ch. RCA interface (2.0Vp-p, 1KΩ)
Video / Audio output	HDMI / VGA output	1080p (1920×1080)/60Hz, 720p (1280×720)/60Hz, UXGA (1600×1200)/60Hz, 1280×1024/60Hz
	Audio output	RCA (Linear, 1KΩ)
Video / Audio codec	Video compression	H.264
	Dual-stream	Support
	Encoding resolution	1080P (1920×1080), 720P (1280×720), 960H, D1
	Frame rate	240fps
	Audio compression	G.711u
Synchronous playback	All channel synchronous playback	
HDD	SATA	2× SATA interfaces for 2 HDDs 4× SATA interfaces for 4 HDDs
	Capacity	Up to 8TB capacity for each HDD
External interfaces	Network	1× 10/100/1000Mbps RJ45 interface
	USB	Front panel: 1× USB2.0, Rear panel: 1× USB2.0
	Alarm	4 in / 1 out
	RS-485	1× RS485 interface
	e-SATA	N/A
General	Power supply	12V 40W 12V 90W
	Operating condition	-10°C – 55°C (14°F – 131°F), Humidity 10 - 90%
	Dimensions (W×D×H)	440×301.5×70.1mm (17.3"×11.8"×2.7")



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