

EZ-IP

Surveillance Made Simple

EASY AND AFFORDABLE IP SOLUTION

Powered by Dahua

IP doesn’t have to mean complex and costly.

EZ-IP delivers entry level IP products with outstanding performance and simplicity.

EZ-IP is perfect for small to medium size applications like home/residential security, small retail shops, and other typical SMB applications. At the same time, EZ-IP offers a perfect alternative to migrate from analog to an IP system with its easy-to-use nature and cost effectiveness.

EZ-IP includes IP camera and NVR products that support real-time monitoring, video storage, and playback.

EZ-IP products are fully in line with Dahua’s quality. Stable and reliable components are utilized and various tests such as anti-vibration, water resistance, and aging tests are performed to ensure Dahua quality standards.



Key Features

Smart H.265+

Smart H.265+ is an optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure, and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

■ 24 hour continuous recording (1080P@25fps)



Outdoor

	H.264	H.265	Smart H.265+
Storage Size	43.5GB	22GB	4.94GB
Average Bitrate	4135Kbps	2092Kbps	470Kbps
Saving (VS. H.264)	--	49.4%	88.6%
Saving (VS. H.265)	--	--	77.5%



Darkroom Color

	H.264	H.265	Smart H.265+
Storage Size	36.8GB	20.7GB	0.97GB
Average Bitrate	3575Kbps	2011Kbps	94Kbps
Saving (VS. H.264)	--	43.75%	97.3%
Saving (VS. H.265)	--	--	95.3%



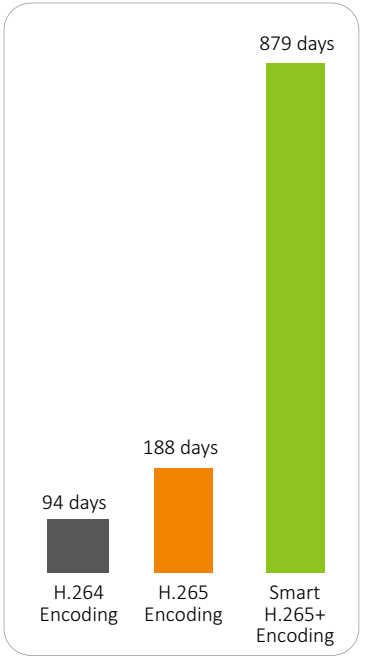
Indoor

	H.264	H.265	Smart H.265+
Storage Size	43.8GB	21.46GB	4.38GB
Average Bitrate	4260Kbps	2087Kbps	426Kbps
Saving (VS. H.264)	--	51%	90%
Saving (VS. H.265)	--	--	79.6%



	H.264	H.265	Smart H.265+
Storage Size	34.4GB	20.7GB	0.7GB
Average Bitrate	3342Kbps	2012Kbps	68Kbps
Saving (VS. H.264)	--	39.8%	98%
Saving (VS. H.265)	--	--	96.6%

■ How many days of full-HD footage can a **4TB HDD** store?



* The above figures are based on real test conditions and the bit rate reduction may vary depending on lighting and movement conditions within the scene.

■ Recommended NVR



NVR1B04/08
NVR1B04-4P



NVR1B04/08HS
NVR1B04HS-4P
NVR1B08HS-8P

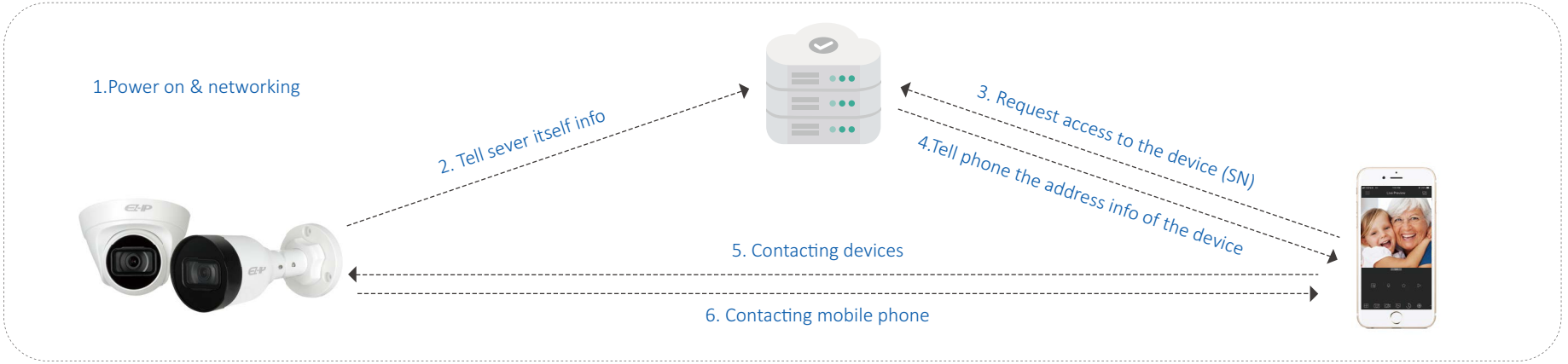


NVR2B16

Key Features

P2P

- No need for configuring DDNS or port mapping- just scan the QR code and connect with your phone!



- Easily monitor your devices anytime, anywhere



- Get important alarm alerts immediately



Key Features

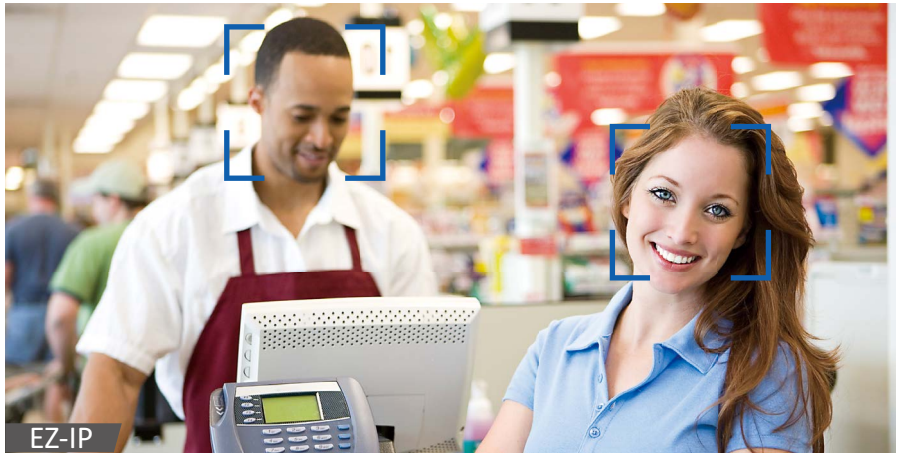
2MP & 4MP Resolution

EZ-IP offers 2MP & 4MP resolution cameras to cater to the needs of home/ residential and SMB applications.



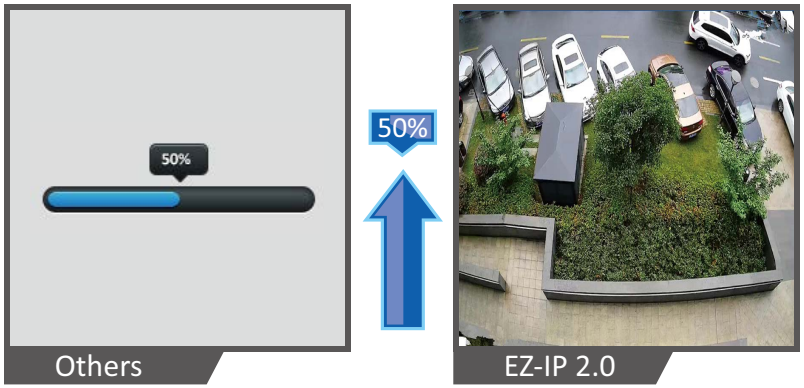
Face Optimization

EZ-IP optimizes facial images, helping users identify persons of interest with clearer, more detailed portraits.



Quick Start

2MP cameras feature a new platform that saves on storage and employs a fast boot and special processing scheme, increasing startup speed by more than 50%.



Larger FOV

Compared with traditional lens windows, a quadrangular window design can support a larger FOV with same sensor and lens.



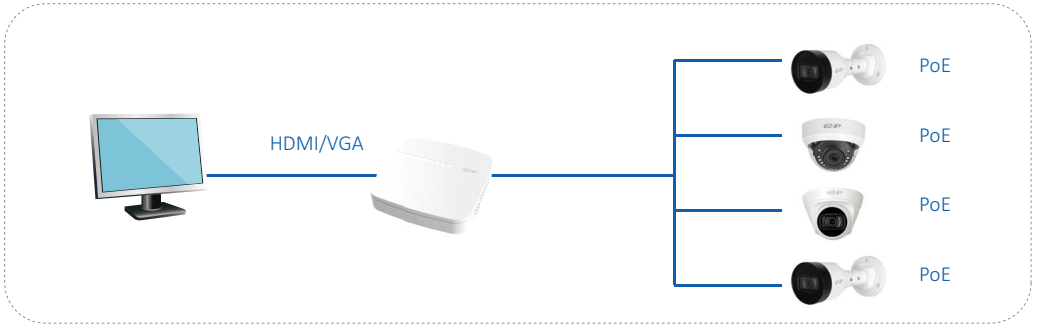
- Innovative Lens Window Design

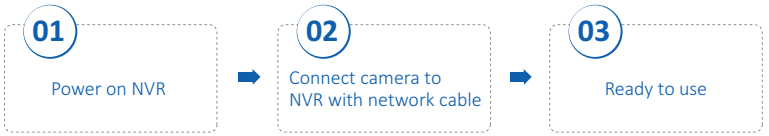


Key Features

Plug & Play

Easy and simple operation is one of the most important features customers demand in security products. EZ-IP cameras all feature PoE, enabling users to simply plug & play with PoE NVRs.





Smart Decode

EZ-IP NVR supports Smart Decode, with that system can automatically calculate decoding capacity and freely show main/sub stream live view.



Weatherproof Design

Most EZ-IP cameras feature an IP67 weatherproof design, allowing them to be used in outdoor applications.



NETWORK CAMERAS

	Fixed Mini-Bullet			Fixed Turret		
Model	IPC-B1B40	IPC-B1B20	IPC-B1B20-L	IPC-T1B40	IPC-T1B20	IPC-T1B20-L
						
Image Sensor	1/3” 4MP CMOS	1/2.7” 2MP CMOS	1/2.7” 2MP CMOS	1/3” 4MP CMOS	1/2.7” 2MP CMOS	1/2.7” 2MP CMOS
Focal Length	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0
FOV-H	123°/95°	115°/87.5°	115°/87.5°	123°/95°	115°/87.5°	115°/87.5°
Min. Illumination	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Max.IR Distance	30m(98ft)	30m(98ft)	30m(98ft)	30m(98ft)	30m(98ft)	30m(98ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4MP(2688x1520)	1080P(1920x1080)	1080P(1920x1080)	4MP(2688x1520)	1080P(1920x1080)	1080P(1920x1080)
Frame Rate	20fps@4MP	30fps@1080P	20fps@1080P 30fps@1.3MP	20fps@4MP	30fps@1080P	20fps@1080P 30fps@1.3MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°	Pan: 0°~360° Tilt: 0°~90° Rotation: 0°~360°
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G	ONVIF profile S&G	ONVIF profile S&G, API	ONVIF profile S&G	ONVIF profile S&G
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)
Power	DC12V, PoE (802.3af)(Class 0) Max. 4.2W	DC12V, PoE (802.3af)(Class 0) Max. 4.2W	DC12V, PoE (802.3af)(Class 0) Max. 4.2W	DC12V, PoE (802.3af)(Class 0) Max. 4.8W	DC12V, PoE (802.3af)(Class 0) Max. 4.8W	DC12V, PoE (802.3af)(Class 0) Max. 4.8W

NETWORK CAMERAS

	Fixed Mini-Dome			Fixed Mini-Dome		
Model	IPC-D1B40	IPC-D1B20	IPC-D1B20-L	IPC-D2B40	IPC-D2B20	IPC-D2B20-L
						
Image Sensor	1/3” 4MP CMOS	1/2.7” 2MP CMOS	1/2.7” 2MP CMOS	1/3” 4MP CMOS	1/2.7” 2MP CMOS	1/2.7” 2MP CMOS
Focal Length	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0	2.8mm/F2.0 3.6mm/F2.0
FOV-H	123°/95°	115°/87.5°	115°/87.5°	123°/95°	115°/87.5°	115°/87.5°
Min. Illumination	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Max.IR Distance	20m(65ft)	20m(65ft)	20m(65ft)	30m(98ft)	30m(98ft)	30m(98ft)
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Resolution	4MP(2688x1520)	1080P(1920x1080)	1080P(1920x1080)	4MP(2688x1520)	1080P(1920x1080)	1080P(1920x1080)
Frame Rate	20fps@4MP	30fps@1080P	20fps@1080P 30fps@1.3MP	20fps@4MP	30fps@1080P	20fps@1080P 30fps@1.3MP
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Rotation	Pan: 0°~355° Tilt: 0°~70° Rotation: 0°~355°	Pan: 0°~355° Tilt: 0°~70° Rotation: 0°~355°	Pan: 0°~355° Tilt: 0°~70° Rotation: 0°~355°	Pan: 0°~355° Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~355° Tilt: 0°~75° Rotation: 0°~355°	Pan: 0°~355° Tilt: 0°~75° Rotation: 0°~355°
Compatibility	ONVIF profile S&G, API	ONVIF profile S&G	ONVIF profile S&G	ONVIF profile S&G, API	ONVIF profile S&G	ONVIF profile S&G
Ingress Protection	--	--	--	IP67	IP67	IP67
Working Temperature	-20°C~+50°C(-4°F ~ +122°F)	-20°C~+50°C(-4°F ~ +122°F)	-20°C~+50°C(-4°F ~ +122°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)	-30°C~+60°C(-22°F ~ +140°F)
Power	DC12V, PoE (802.3af)(Class 0) Max. 4.2W	DC12V, PoE (802.3af)(Class 0) Max. 4W	DC12V, PoE (802.3af)(Class 0) Max. 4W	DC12V, PoE (802.3af)(Class 0) Max. 4.4W	DC12V, PoE (802.3af)(Class 0) Max. 5.1W	DC12V, PoE (802.3af)(Class 0) Max. 5.1W

NETWORK VIDEO RECORDERS

	2HDD 1U 4K&H.265 NVR	1HDD Compact 1U 4K&H.265 NVR			
Model	NVR2B16	NVR1B08HS	NVR1B04HS	NVR1B08HS-8P	NVR1B04HS-4P
					
Processor	ARM Dual Core CPU	ARM Dual Core CPU	ARM Dual Core CPU	ARM Dual Core CPU	ARM Dual Core CPU
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
IP Video Inputs	16 channel	8 channel	4 channel	8 channel	4 channel
Max Input/Record	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps
Max Decoding	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P
Display	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA
Max HDD	2×6TB	1×6TB	1×6TB	1×6TB	1×6TB
RAID	--	--	--	--	--
eSATA/Mini SAS	--	--	--	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	--	--	--	--	--
Ethernet	1×1000M Port	1×100M Port	1×100M Port	1×1000M Port	1×100M Port
PoE	--	--	--	8 ports (IEEE802.3at/af) 80W	4 ports (IEEE802.3at/af) 50W
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC12V/4A <4W(Without HDD)	DC12V/2A <4W(without HDD)	DC12V/2A <4W(without HDD)	DC48V/2A <6W(without HDD)	DC48V/1.25A <6W(without HDD)
Intelligent Video	--	--	--	--	--
Features	P2P	P2P	P2P	Plug & Play, P2P	Plug & Play, P2P

NETWORK VIDEO RECORDERS

	1HDD Smart 1U 4K&H.265 NVR			1HDD Compact 1U H.265 NVR	
Model	NVR1B08	NVR1B04	NVR1B04-4P	NVR1B08HS/L	NVR1B04HS/L
					
Processor	ARM Dual Core CPU	ARM Dual Core CPU	ARM Dual Core CPU	ARM Dual Core CPU	ARM Dual Core CPU
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265/H.264	H.265/H.264
IP Video Inputs	8 channel	4 channel	4 channel	8 channel	4 channel
Max Input/Record	80Mbps/80Mbps	80Mbps/80Mbps	80Mbps/80Mbps	48Mbps/48Mbps	48Mbps/48Mbps
Max Decoding	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P	1ch@8MP/4ch@1080P	2ch@1080P/4ch@720P	2ch@1080P/4ch@720P
Display	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA
Max HDD	1×6TB	1×6TB	1×6TB	1×6TB	1×6TB
RAID	--	--	--	--	--
eSATA/Mini SAS	--	--	--	--	--
Audio In/Out	1/1, 2-way	1/1, 2-way	1/1, 2-way	--	--
Alarm In/Out	--	--	--	--	--
Ethernet	1×100M Port	1×100M Port	1×100M Port	1×100M Port	1×100M Port
PoE	--	--	4 ports (IEEE802.3at/af) 50W	--	--
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC12V/2A <4W(without HDD)	DC12V/2A <4W(without HDD)	DC48V/1.25A <6W(without HDD)	DC12V/2A <4W(Without HDD)	DC12V/2A <4W(without HDD)
Intelligent Video	--	--	--	--	--
Features	P2P	P2P	Plug & Play,P2P	P2P	P2P

NETWORK VIDEO RECORDERS

	1HDD Compact 1U H.265 NVR	1HDD Smart 1U H.265 NVR		
Model	NVR1B04HS-4P/L	NVR1B08/L	NVR1B04/L	NVR1B04-4P/L
				
Processor	ARM Dual Core CPU	ARM Dual Core CPU	ARM Dual Core CPU	ARM Dual Core CPU
Video Compression	H.265/H.264	H.265/H.264	H.265/H.264	H.265/H.264
IP Video Inputs	4 channel	8 channel	4 channel	4 channel
Max Input/Record	48Mbps/48Mbps	48Mbps/48Mbps	48Mbps/48Mbps	48Mbps/48Mbps
Max Decoding	2ch@1080P/4ch@720P	2ch@1080P/4ch@720P	2ch@1080P/4ch@720P	2ch@1080P/4ch@720P
Display	HDMI, VGA	HDMI, VGA	HDMI, VGA	HDMI, VGA
Max HDD	1×6TB	1×6TB	1×6TB	1×6TB
RAID	--	--	--	--
eSATA/Mini SAS	--	--	--	--
Audio In/Out	--	--	--	--
Alarm In/Out	--	--	--	--
Ethernet	1×100M Port	1×100M Port	1×100M Port	1×100M Port
PoE	4 ports (IEEE802.3at/af) 50W	--	--	4 ports (IEEE802.3at/af) 50W
USB	2 USB2.0	2 USB2.0	2 USB2.0	2 USB2.0
Power	DC48V/1.25A <6W(without HDD)	DC12V/2A <4W(without HDD)	DC12V/2A <4W(without HDD)	DC48V/1.25A <6W(without HDD)
Intelligent Video	--	--	--	--
Features	Plug & Play, P2P	P2P	P2P	Plug & Play, P2P

ENABLING A SAFER SOCIETY AND SMARTER LIVING

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* Design and specifications are subject to change without notice.

EZ-IP products - 01, Apr. 2018

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