

# IP Solution

## HiLook Certification Program

First Choice for Security Professionals

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**Objectives and Overview**

2

**Main Features**

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**Naming Rule**

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**IP Product Lines**



# Objectives

- ❖ **Understand the basic concepts of HiLook IP technology.**
- ❖ **Understand the advantages and benefits that the HiLook IP solution delivers.**
- ❖ **Grasp the basic knowledge about IP HiLook equipment.**
- ❖ **Guidance on how to design a video surveillance system using IP HiLook products.**

# Overview



- With an incredible cost-to-performance ratio, the HiLook Series boasts the most advanced features for the price: the H.265+ high efficiency codec for maximum bandwidth and data storage efficiency, up to 5 MP super high-definition imaging, EXIR 2.0 for higher infrared luminous efficiency, and wide dynamic range to balance color and brightness under harsh lighting conditions.
- HiLook is a whole new look for high-performance, cost-effective video surveillance for small-to-medium sized business applications.

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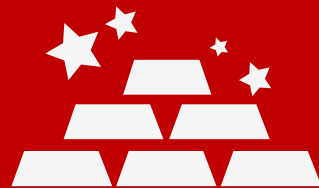
# Main Features



**5MP**



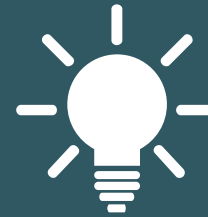
**High Resolution**



**H.265/265+**



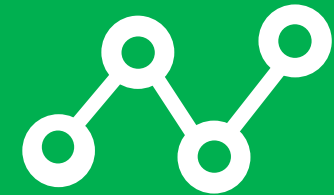
**High  
Compression  
Efficiency**



**EXIR - WDR**



**Higher lighting  
efficiency**

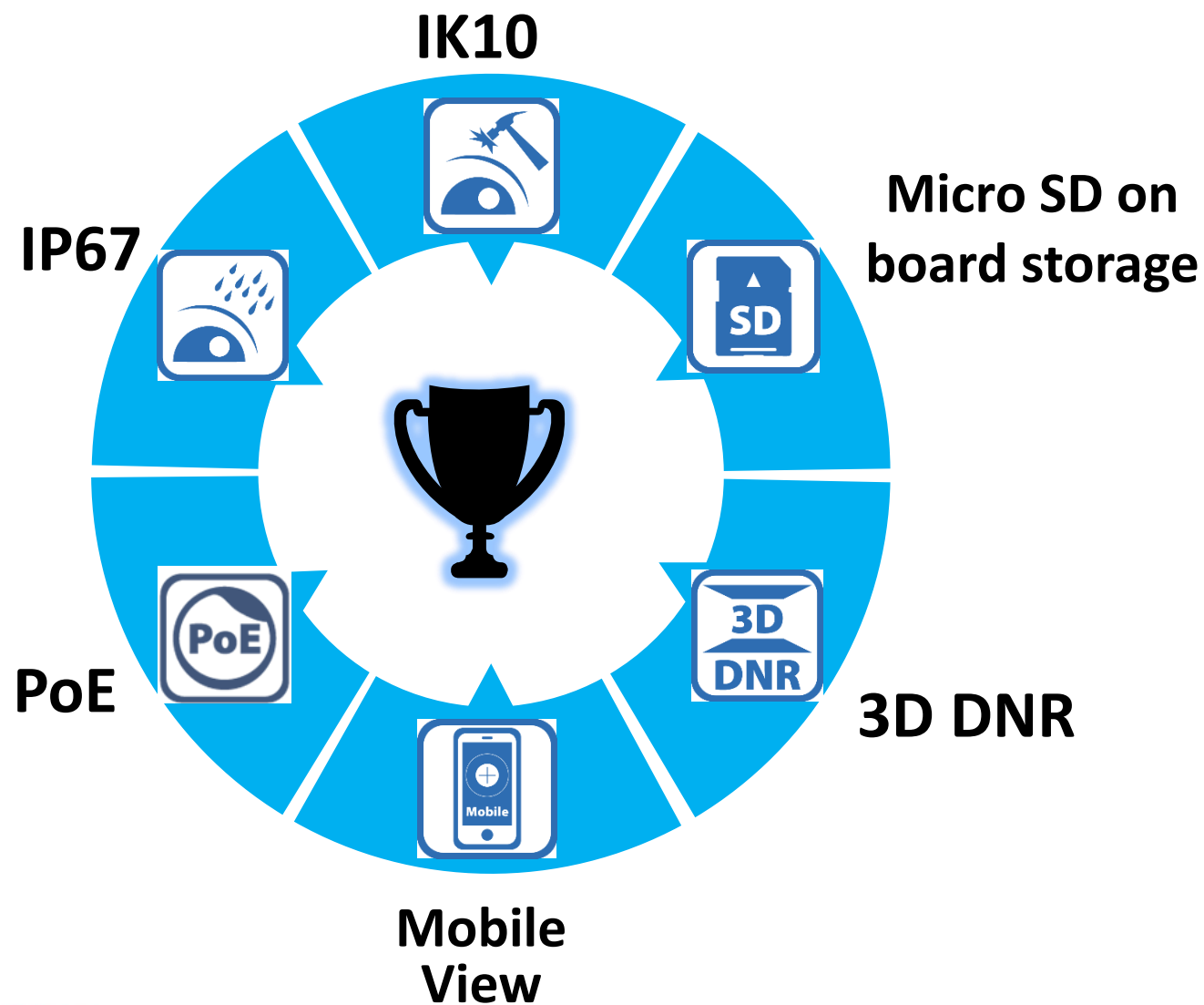


**Discrete output**



**Discrete channel output  
to two monitors**

# HiLook IP Products – Performance



# Higher Resolution-Up to 5MP High Definition

Up to **5MP** super-HD, provide more details when monitoring a large area.



2MP

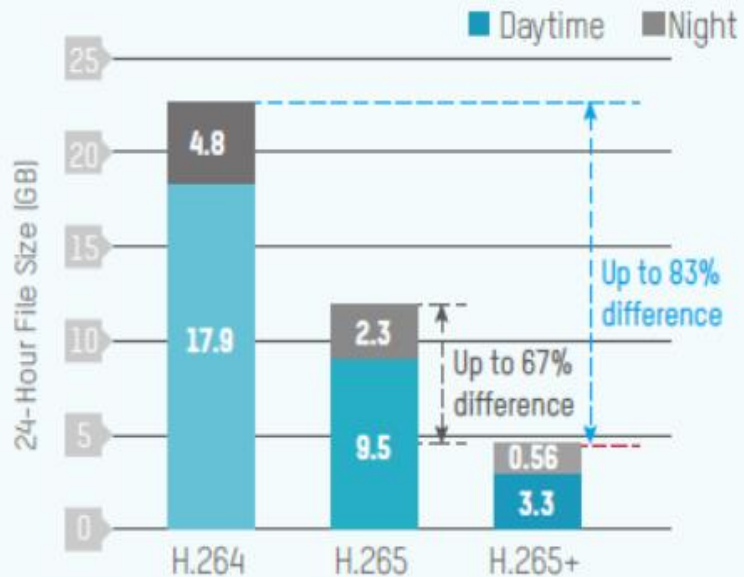


5MP



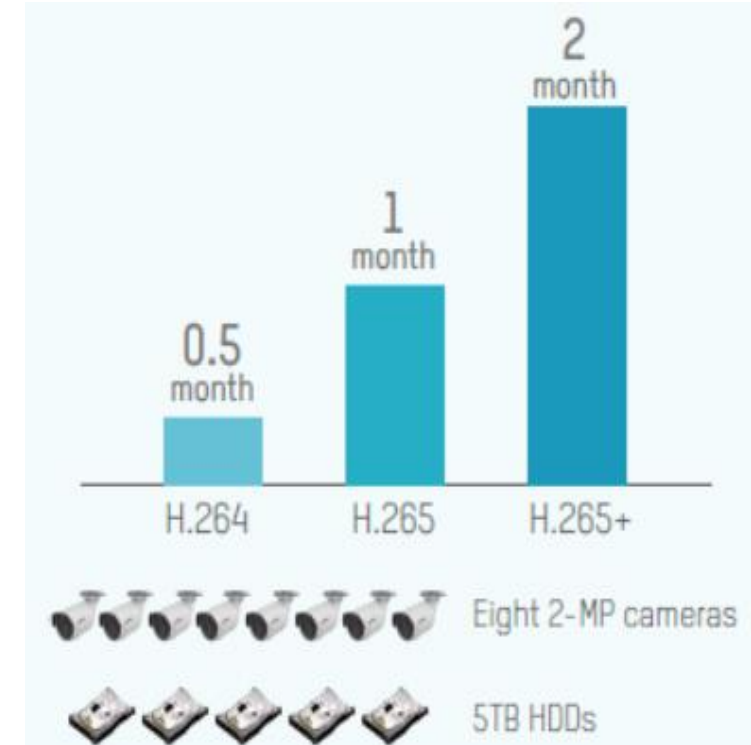
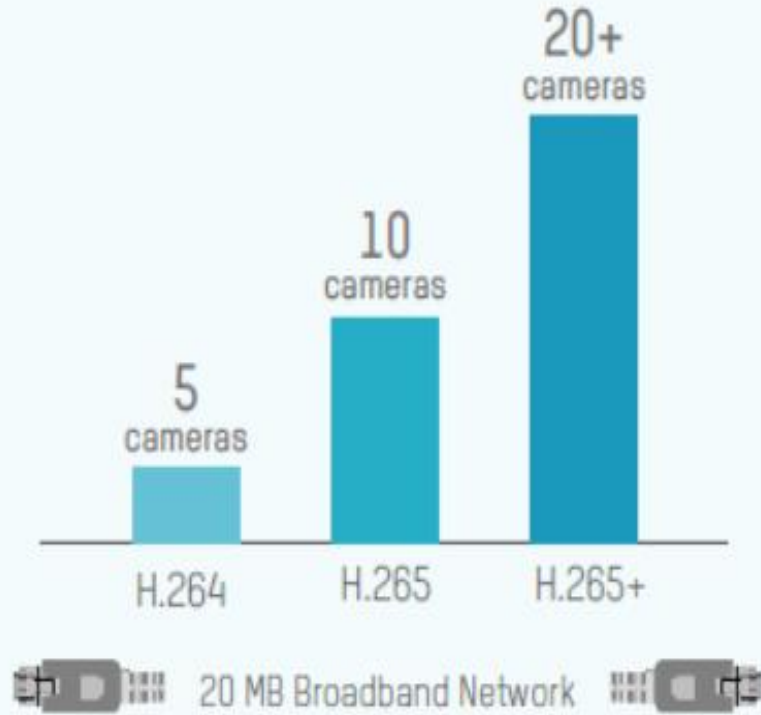
# Compression Efficiency - H.265+

H.265+ high efficient codec, not only saves bandwidth resource but also decrease storage space efficiently.



24-Hour recording file size [GB] comparing H.264, H.265, and H.265+

\*Data was tested in a common scene; for reference only.



# EXIR

**EXIR**, higher luminous efficiency, better image in weak light environment.



First Choice for Security Professionals

# WDR

**WDR performance, keep perfect image fidelity without details' loss when faces against strong light.**



**WDR OFF**



**WDR ON**

# Discrete channel output to two monitors

Separate video channel output to two monitors at the same time through unique interfaces.



Available on 8/16-ch -C platform series NVR. For example: NVR-208MH-C, NVR-216MH-C/16P...

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# Naming Rule

Network HD Camera												
	①		②		③	④	⑤		⑤	⑥		⑦
	<b>IPC</b>	<b>-</b>	<b>B</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>(X)</b>	<b>-</b>	<b>V/Z</b>	<b>(D)</b>	<b>/</b>	<b>XX</b>
	IP Camera		Basic form B: Bullet D: Dome T: Turret C: Cube	Sub form: 0/1/2/3... Different housing for same appearance. Bullet: B1,B2,B3...	Resolution 0- 1MP 1- 1.3MP 2- 2MP 3- 3MP 4-4MP ...	Reserved For different generation and platform	Default or A: H.264 H: H.265		Default: Fixed lens /V: Vari-focal lens /Z: Motorized VF lens	Default: POE model D: 12V DC only		Extension info /W: wifi /SD : SD card
Example	IPC-B100A		1MP IR Bullet Camera									
	IPC-D120A-VD		2MP Motorized VF IR Dome Camera (12VDC only)									
	IPC-T620A-V/WI		2MP VF IR Turret Camera (wifi supported)									

# Naming Rule

PTZ HD Camera													
	①		②	③	④	⑤	⑥		⑦	⑧	⑨	⑩	⑪
	<b>PTZ</b>	<b>-</b>	<b>N</b>	<b>2</b>	<b>2</b>	<b>04</b>	<b>I</b>	<b>-</b>	<b>A/D</b>	<b>E</b>	<b>(3)</b>	<b>XX</b>	<b>(X)</b>
	PTZ Camera		N: Network T: Turbo HD	Sub form: 2/3/4/5... For Different size housing 2: 2.5" 3: 3" 4: 4" 5: 5"	Resolution: 1- 1/1.3MP 2- 2MP 3- 3MP	Zoom: 04: 4X; 15: 15X; 20: 20X; ...	Default: non-IR I: support IR		A : AC24V; D: DC12V;	E: support POE	Default: Outdoor 3: Indoor	Extension info /W: wifi	Reserved For different generation and platform
Example	PTZ-N2204I-DE3		2.5" 2MP 4x IR PTZ indoor network Camera										
	PTZ-N3204-DE		3" 2MP 4x non-IR PTZ TVI Camera (IP66)										
	PTZ-T4215-D3		4" 2MP 15x non-IR indoor PTZ TVI Camera										

# Naming Rule

NVR												
	①		②	③		④	⑤		⑥		⑦	⑧
	<b>NVR</b>	<b>-</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>(M)</b>	<b>(H)</b>	<b>-</b>	<b>A</b>	<b>/</b>	<b>4P</b>	<b>/XX</b>
	NVR Products		1/2/4... Max HDD number	Channel Number 04: 4-ch 08: 8-ch 16: 16-ch		Default: Plastic case M : Metal case	Default: H.264 codec H: H.265 codec		Platform Revision A,B,C,D...		Default: without POE 4P: 4 POE interface 8P: 8 POE interface	Extension info /W: wifi
Example	NVR-104-A			1HDD 4-ch NVR								
	NVR-108-A/8P			1HDD 8-ch NVR (8 PoE)								
	NVR-208M-A/8P			2HDD 8-ch NVR (8 PoE, Metal)								

# Naming Rule

KIT															
			②	③	④	⑤	⑥	⑦		⑧	⑨		⑩	⑪	⑫
	<b>TK</b>	<b>-</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>B</b>	<b>(H)</b>	<b>-</b>	<b>P</b>	<b>M</b>	<b>/</b>	<b>P</b>	<b>/XX</b>	<b>(A)</b>
	TK: Turbo HD Kit IK : Network Kit		4:4 cameras 8:8 cameras ...	HDD 1:1T 2:2T ...	Recorder Channels: 04: 4-ch 08: 8-ch 16: 16-ch	Camera Resolution: 1:1MP 2:2MP ...	B:Bullet D:Dome T:Turret M:Mix (Bullet+Dome, Dome+Turret, Bullet+Turret) ...	Default: H.264 H: H.265		DVR/NVR Material:  P: Plastic M: Metal	Camera Material P: Plastic M: Metal H: Hybrid		Default: without PoE P:PoE	Extension info /W: wifi	Platform Revision A,B....
Example	IK-4142B-MM/W			4x 2MP Bullet IPC, 4-ch H264+ NVR, WIFI Kit with 1TB HDD, NVR Metal,Camera Metal											
	IK-4142MH-MM			2x 2MP Bullet IPC+2x 2MP Dome IPC, 4-ch H265+ NVR Kit with 1TB HDD,NVR Metal,Camera Metal											
	TK-4142T-MM			4x 2MP Turret TVI Camera, 4-ch H264+ DVR Kit with 1TB HDD,DVR Metal,Camera Metal											
	TK-4042T-MM			4x 2MP Turret TVI Camera, 4-ch H264+ DVR Kit without HDD,DVR Metal,Camera Metal											

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# HiLook IP Solution – Camera

## H.265+/H.265 series Network Camera






	B1 series EXIR Mini Bullet	D1 series IR Dome	T2 series EXIR Mini Turret	B6 series VF EXIR Bullet	D6 series VF EXIR Dome	T6 series VF EXIR Turret
<b>HD</b>						
<b>5MP</b>	IPC-B150H(-M)	IPC-D150H(-M)	IPC-T250H	IPC-B650H-V/Z	IPC-D650H-V/Z	IPC-T651H-Z
<b>4MP</b>	IPC-B140H	IPC-D140H	IPC-T240H	IPC-B640H-V/Z	IPC-D640H-V/Z	IPC-T641H-V/Z
<b>2MP</b>	IPC-B120H(H.265+) IPC-B121H(H.265)	IPC-D120H(H.265+) IPC-D121H(H.265)	IPC-T220H(H.265+) IPC-T221H(H.265)	IPC-B620H-V/Z	IPC-D620H-V/Z	IPC-T621H-V/Z

# HiLook IP Solution – Camera

Wi-Fi Mini Network Camera				
	C1 Series IR Mini Cube	C2 Series IR Mini Cube	P1 Series IR Mini Cube	B1 Series IR Bullet
				
<b>2MP</b>	IPC-C120-D/W	IPC-C220-D/W	IPC-P120-D/W	IPC-B120-D/W
<b>1MP</b>	IPC-C100-D/W	IPC-C200-D/W	IPC-P100-D/W	N/A
<b>Features</b>	Built-in microphone and speaker, supports two-way audio; Built-in Wi-Fi			Built-in Wi-Fi

# HiLook IP Solution – PTZ

## H.265+ series Network PTZ Camera

	1-inch EXIR PTZ	2-inch EXIR PTZ	4-inch non-IR PTZ	4-inch EXIR PTZ	PanoVu mini Series EXIR PTZ
Appearance					
2MP	PTZ-N1200I-DE3	PTZ-N2204I-DE3(4x)	PTZ-N4215-DE3(15x)	PTZ-N4215I-DE(15x) PTZ-N4225I-DE(25x)	N/A
4MP	PTZ-N1400I-DE3	PTZ-N2404I-DE3(4x)	N/A	N/A	N/A
3*2MP +1*2MP PTZ	N/A	N/A	N/A	N/A	PTZ-P332ZI-DE3(4x)




# HiLook IP Solution – NVR

## H.265+/Series NVR

	1-HDD @ 4-CH	1-HDD @ 8-CH	1-HDD@ 16-CH	2-HDD@ 8-CH	2-HDD@ 16-CH
Metal					
Non-PoE	NVR-104MH-C	NVR-108MH-C	NVR-116MH-C	NVR-208MH-C	NVR-216MH-C
PoE	NVR-104MH-C/4P	NVR-108MH-C/4P	N/A	NVR-208MH-C/8P	NVR-216MH-C/16P

**Decoding Capability: 1-ch @ 8 MP / 4-ch @ 1080p**

# HiLook IP Solution – NVR

H.265+ Series 4MP NVR				
	1-HDD@ 4-CH	1-HDD @ 8-CH	1-HDD@ 4-CH	1-HDD@ 8-CH
Appearance	Metal		Plastic	
				
Non-PoE	NVR-104MH-D	NVR-108MH-D	NVR-104H-D	NVR-108H-D
PoE	NVR-104MH-D/4P	NVR-108MH-D/8P	NVR-104H-D/4P	NVR-108H-D/8P

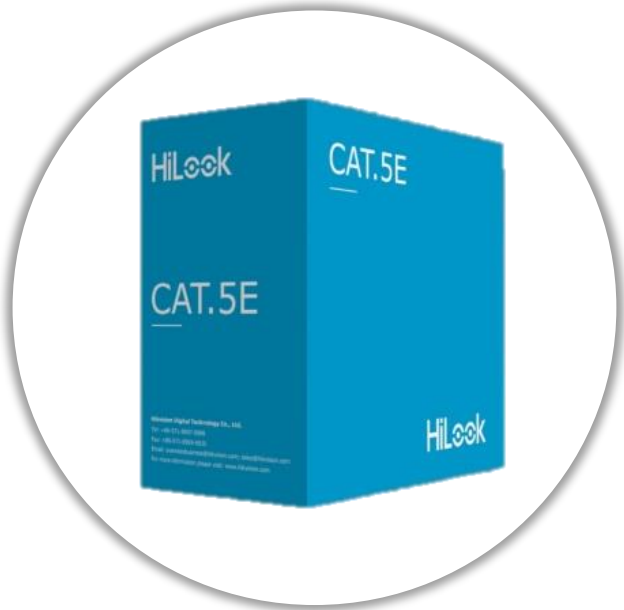
Decoding Capability: 1-ch @ 4 MP / 2-ch @ 1080p



# HiLook IP Solution – KIT

KIT			
Model	IK-4142TH-MH/P	IK-4142BH-MH/P	IK-4142B-MH/ <b>W</b> (New)
			
NVR	NVR-104MH-D/4P	NVR-104MH-D/4P	NVR-104MH-D/ <b>W</b>
IPC	4 * IPC-T220H(2.8mm)	4 * IPC-B120H(2.8mm)	4* IPC-B120-D/ <b>W</b>
HDD	1TB	1TB	1TB

# HiLook Network Cable



**Fluke Test Report**



**85 m recommended  
Transmission Distance**



**CPR Certificate**



**High Performance**



**High Quality**



**High Reliability**



# Review

- 1. What are the main features of HiLook IP solutions?**
- 2. What decoding capability does –C series and –D series NVRs have?**

A person in a dark suit and tie is shown from the chest up, pointing their right index finger towards a glowing shopping cart icon. The icon is a white shopping cart on a dark background, surrounded by a bright orange and yellow glow. In the background, there is a faint world map with several other shopping cart icons scattered across it. The overall color palette is dominated by light blue and white, with the glowing icon providing a warm contrast.

**Thanks**