



# HILOOK WI-FI IP CCTV KIT

## 4CH NVR WITH 4 X 2MP FIXED BULLET WI-FI CAMERAS

HLIK-4142B-MHW



### FEATURES AND FUNCTIONS

#### Video Input and Transmission

- Up to 4 IP cameras (max. incoming bandwidth: 50 Mbps)
- Wireless Range up to 50m. Range may vary depending on walls, construction materials and other interferences on site.
- Live view of the connected camera at up to 4 MP resolution

#### Compression and Recording

- H.264, H.265, H.264+, and H.265+ compression.
- Full channel recording at up to 4 MP resolution

#### Video Output

- HDMI/VGA output with up to 1920 × 1080 resolution

#### Storage and Playback

- 1 SATA interface for HDD with up to 6 TB capacity
- Up to 4-ch synchronous playback
- Smart search for efficient playback

#### Smart Function

- Supports line crossing and intrusion VCA (Video Content Analytics) events for IP cameras

#### Network & Ethernet Access

- HiLookVision for easy network management
- One 100M Ethernet network interface

#### Wi-Fi Features

- Provides Wi-Fi function.
- Up to 16 terminals, including mobile phone and laptop, can access NVR via Wi-Fi
- Dual external antenna design offers more powerful and stable signal.

#### Camera Key Features

- 1/2.8" progressive scan CMOS
- 1920 × 1080@30fps
- Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 Lux @ (F2.0, AGC ON)
- 2.8 mm fixed lens
- 3D DNR
- Up to 30m IR range
- Built-in Wi-Fi
- Mobile monitoring via HiLook Vision app
- IP66

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## SPECIFICATIONS

### Model

**NVR-104MH-D/W**

NVR Specs		
Video/Audio input	IP video input	4-ch
	Incoming/outgoing bandwidth	50/40 Mbps
Video/Audio output	HDMI/VGA output	1-ch, resolution: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
	Audio output	1-ch, RCA (linear, 1 KΩ)
Decoding	Recording resolution	4 M/3 M/1080p/1.3 M/720p
	Synchronous playback	4ch
	Capacity	2-ch@1080p / 1-ch@4 MP
Hard disk	SATA	1 SATA interface
	Capacity	Up to 6 TB capacity for each disk
Wireless parameters	Frequency band	2.4 GHz
	Antenna structure	2 × 2MIMO
	Transmission speed	144 Mbps
	Transmission standard	IEEE 802.11b/g/n
External interface	Network interface	1, RJ45 10/100M Ethernet interface
	USB interface	Rear panel: 2 × USB 2.0
General	Power supply	12 VDC
	Consumption (without HDDs)	≤ 12 W
	Working temperature	-10 °C to +55 °C (14 °F to 131 °F)
	Working humidity	10% to 90%
	Dimensions (W × D × H)	260 × 246 × 48 mm (10.2" × 9.7" × 1.9")
Weight (without HDDs)	≤ 1 kg (2.2 lb)	

### Model

**IPC-B120-D/W**

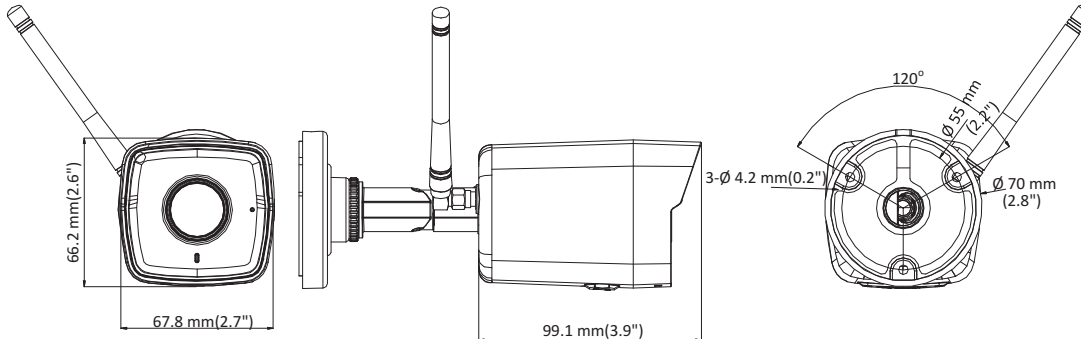
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0.028Lux @ (F2.0, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	DWDR
3-Axis Adjustment	Pan: 0° to 360°, tilt: -90° to 90°, rotate: 0° to 90°
Lens	
Focal length	2.8 mm
Aperture	F2.0
Focus	Fixed
FOV	2.8 mm, horizontal FOV: 114.5°, vertical FOV: 62°, diagonal FOV: 135.5°
Lens Mount	M12
IR	
IR Range	Up to 30 m
Wavelength	850 nm
Compression Standard	
Video Compression	Main stream: H.264, Sub-stream: H.264, MJPEG
H.264 Type	Baseline Profile/Main Profile



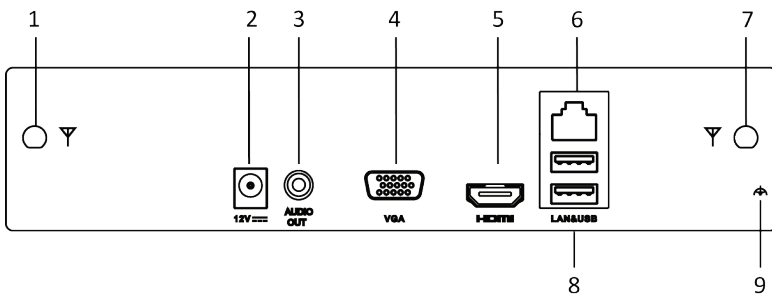
<b>Model</b>	<b>IPC-B120-D/W</b>
H.264+	Main stream supports
H.265 Type	No
H.265+	No
Video Bit Rate	32 Kbps to 8 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32 to 160Kbps(MP2L2)
<b>Image</b>	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 720), 60Hz: 30fps (1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240), 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
Image Enhancement	BLC, 3D DNR
Day/Night Switch	Day, night, auto, scheduled
<b>Network</b>	
Alarm Trigger	Motion detection, video tampering, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, IPv6, UDP, QoS, Bonjour
General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark
Firmware Version	V5.5.71
API	ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users, 3 levels: Administrator, Operator and User
Client	HiLookVision PC Client, HiLookVision App
Web Browser	IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11
<b>Interface</b>	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Audio	1 Built-in mic, mono sound
<b>Interface</b>	
Wireless Standards	IEEE 802.11b/g/n
Frequency Range	2.4 GHz to 2.4835 GHz
Channel Bandwidth	20 MHz/40 MHz
Protocols	802.11b: CCK, DQPSK, DBPSK, 802.11g/n: 64-QAM, 16-QAM, QPSK, BPSK
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Transfer Rates	11b: 11 Mbps, 11g: 54 Mbps, 11n: up to 150 Mbps
Wireless Range	Up to 50 m (The performance varies based on actual environment)
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
<b>General</b>	
Operating Conditions	-30 °C to +60 °C (-22°F to +140 °F), Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, 5.5 mm coaxial power plug
Power Consumption and Current	12 VDC, 0.4 A, max. 5 W
Ingress Protection	IP66
Material	Front cover: metal, back cover: plastic
Dimensions	Camera: 99 mm × 68 mm × 66 mm (3.9" × 2.7" × 2.6") With package: 172 mm × 110 mm × 99 mm (6.8" × 4.3" × 3.9")
Weight	Camera: 272 g (0.6 lb.), With package: 517 g (1.1 lb.)



## DIMENSIONS



## PHYSICAL INTERFACES



No.	Name
1	Wi-Fi antenna
2	Power supply
3	Audio out
4	VGA interface
5	HDMI interface

No.	Name
6	LAN
7	Wi-Fi antenna
8	USB
9	Ground

## DOWNLOAD THE APP



HiLookVision app



## KIT COMPONENTS

- 1 x 4ch NVR with 1TB HDD
- 4 x 2MP Outdoor Bullet Camera
- 5 x Power Supplies
- 1 x HDMI Cable

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