

## NK44W1H-1T(WD) Wi-Fi Kit

Four Camera WiFi kit with 4MP cameras from HIKVision

### Key Feature

- H.265/ H.264 video compression
- Automatic Wi-Fi connection
- 4 × 4 MP IR fixed network bullet camera
- 1 x NVR, full channel recording at up to 4 MP resolution



### Camera

- 1/3" Progressive Scan CMOS
- 2560 × 1440@20 fps
- 2.8 mm fixed lens
- Color: 0.01 Lux @(F1.2; AGC ON), 0.028 Lux @(F2.0; AGC ON)
- 3D Digital Noise Reduction
- Audio I/O: 1 built-in mic, mono sound

### NVR

- Up to 4-ch network camera inputs (up to 4 MP)
- 2-ch@1080p/1-ch@4 MP decoding capability
- Dual external antenna design for Wi-Fi
- HDMI/VGA output with up to 1920 × 1080 resolution
- Hik-Connect for easy network management



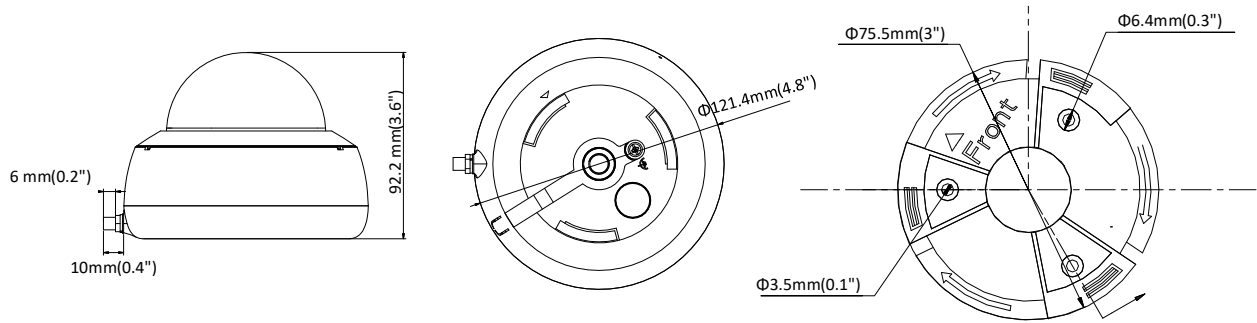
## Specifications

<b>Kit Model</b>	NK44W1H-1T(WD)
<b>Camera Model</b>	4 × DS-2CD2141G1-IDW1
<b>NVR Model</b>	DS-7104NI-K1/W/M
<b>Camera</b>	
<b>Image Sensor</b>	1/3" Progressive Scan CMOS
<b>Min. Illumination</b>	Color: 0.01 Lux @(F1.2; AGC ON), 0.028 Lux @(F2.0; AGC ON)
<b>Shutter Speed</b>	1/3 s to 1/100,000 s
<b>Day &amp; Night</b>	IR cut filter
<b>WDR</b>	DWDR
<b>Angle Adjustment</b>	Pan: 0° to 355°, tilt: 0° to 75°
<b>Protection Level</b>	IP66
<b>Material</b>	Plastic
<b>Lens</b>	
<b>Focal Length</b>	2.8 mm
<b>Aperture</b>	F2.0
<b>Focus</b>	Fixed
<b>FOV</b>	Horizontal FOV: 100°, vertical FOV: 55°, diagonal FOV: 117°
<b>Lens Mount</b>	M12
<b>IR</b>	
<b>IR Range</b>	Up to 30 m
<b>Compression Standard</b>	
<b>Video Compression</b>	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG
<b>H.264 Type</b>	Baseline Profile/Main Profile/High Profile
<b>H.264+</b>	Main stream supports
<b>H.265 Type</b>	Main Profile
<b>H.265+</b>	Main stream supports
<b>Audio Compression</b>	G.711/G.722.1/G.726/MP2L2/PCM
<b>Audio Bit Rate</b>	64 Kbps(G.711)/16 Kbps(G.722.1)/16 Kbps(G.726)/32-192 Kbps(MP2L2)
<b>Video Bit Rate</b>	32 Kbps to 8 Mbps
<b>Audio Sampling Rate</b>	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
<b>Environment Noise Filtering</b>	Yes
<b>Image</b>	
<b>Max. Resolution</b>	2560 × 1440
<b>Main Stream</b>	50 Hz: 20 fps (2560 × 1440), 25fps (2304 × 1296, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30fps (2304 × 1296, 1920 × 1080, 1280 × 720)
<b>Sub-stream</b>	50 Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60 Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)
<b>Image Setting</b>	Saturation, brightness, contrast and sharpness are adjustable via client software and web browser
<b>Day/Night Switch</b>	Auto/Scheduled/Day/Night
<b>Network</b>	
<b>Alarm Trigger</b>	Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD error, HDD full

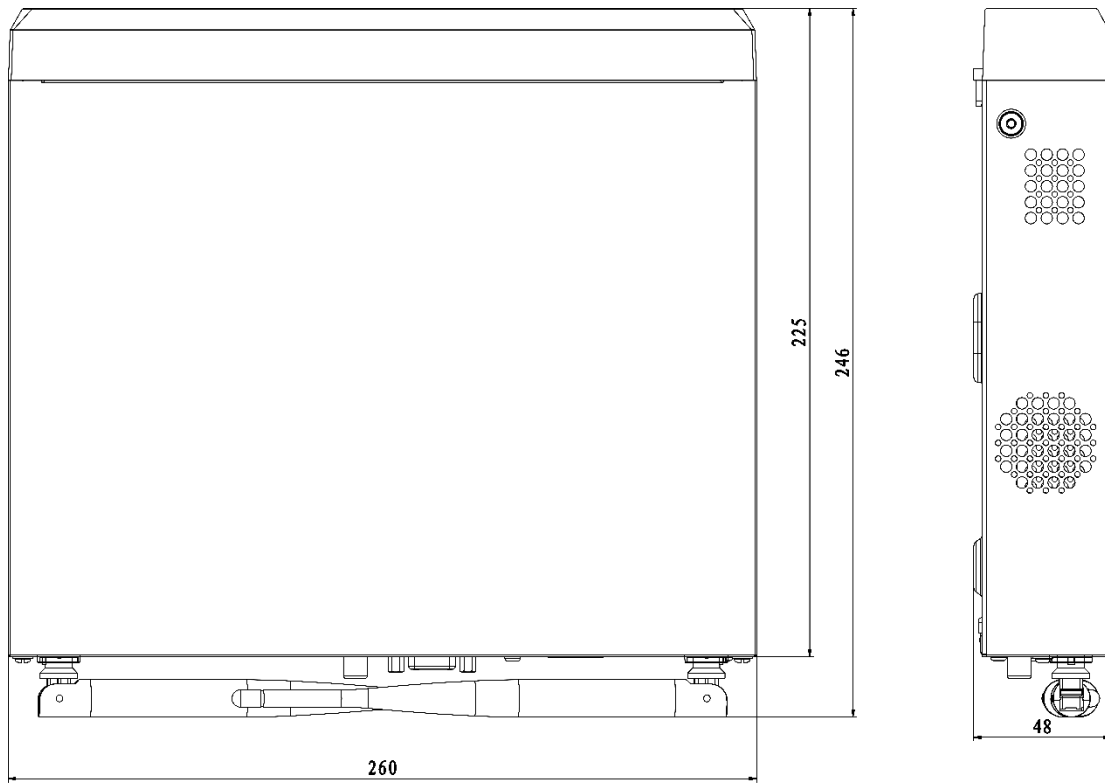
<b>Protocol</b>	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, QoS, IPv6, UDP, Bonjour
<b>General Function</b>	One-key reset, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
<b>Client</b>	iVMS-4200, Hik-Connect, iVMS-5200, iVMS-4500
<b>Interface</b>	
<b>Communication Interface</b>	1 RJ45 10M/100M self-adaptive Ethernet port
<b>On-board Storage</b>	Built-in microSD/SDHC/SDXC slot, up to 128 GB
<b>Audio I/O</b>	1 Built-in mic, mono sound
<b>Video Out</b>	No
<b>Alarm I/O</b>	No
<b>Reset Button</b>	Yes
<b>General</b>	
<b>Power Supply</b>	12 VDC $\pm$ 25%, 0.5 A, $\Phi$ 5.5 mm coaxial plug power
<b>Consumption</b>	$\leq$ 6 W
<b>Working Temperature</b>	-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F)
<b>Working Humidity</b>	95% or less (non-condensing)
<b>Dimension (W <math>\times</math> D <math>\times</math> H)</b>	$\Phi$ 121.4 mm $\times$ 92.2 mm ( $\Phi$ 4.8" $\times$ 3.6")
<b>Weight</b>	467g (1 lb)
<b>NVR</b>	
<b>Video and Audio</b>	
<b>IP Video Input</b>	4-ch
	Up to 4 MP resolution
<b>Incoming/Outgoing Bandwidth</b>	50 Mbps/40 Mbps
<b>HDMI/VGA Output</b>	1-ch, resolution: 1920 $\times$ 1080/60Hz, 1280 $\times$ 1024/60Hz, 1280 $\times$ 720/60Hz, 1024 $\times$ 768/60Hz
<b>Audio Output</b>	1-ch, RCA (linear, 1 K $\Omega$ )
<b>Decoding</b>	
<b>Video Resolution</b>	4 MP/3 MP/1080p/1.3 MP/720p
<b>Synchronous Playback</b>	4-ch
<b>Capability</b>	2-ch@1080p / 1-ch@4 MP
<b>Network</b>	
<b>Network Interface</b>	1, RJ45 10/100M Ethernet interface
<b>Network Protocol</b>	IPv6, UPnP™, NTP, SADP, DHCP
<b>Remote Connection</b>	16
<b>Wi-Fi</b>	
<b>Frequency Band</b>	2.4 GHz
<b>Antenna Structure</b>	2 $\times$ 2MIMO
<b>Transmission Speed</b>	144 Mbps
<b>Transmission Standard</b>	IEEE 802.11b/g/n
<b>Auxiliary interface</b>	
<b>SATA</b>	1 SATA interface
<b>Capacity</b>	Up to 6 TB capacity for each disk
<b>USB Interface</b>	Rear panel: 2 $\times$ USB 2.0

<b>Alarm In/Out</b>	No
<b>General</b>	
<b>Power Supply</b>	12 VDC
<b>Consumption (without HDD)</b>	≤ 12 W
<b>Working Temperature</b>	-10 °C to 55 °C (14 °F to 131 °F)
<b>Working Humidity</b>	10% to 90%
<b>Dimension (W × D × H)</b>	260 mm × 246 mm × 48 mm (10.2" × 9.7" × 1.9")
<b>Weight (without hard disk)</b>	≤ 1 kg (2.2 lb)
<b>Kit</b>	
<b>Accessories</b>	Power: 5 power cables Network cable: 4 × 18.3 m (60 ft) video and power cable HDMI cable: 1 HDMI cable
<b>Hard Drive</b>	Pre-installed 1 TB HDD
<b>Certification</b>	FCC, CE
<b>Weight (with package)</b>	≤ 7 kg (15.4 lb)

## Camera Dimension

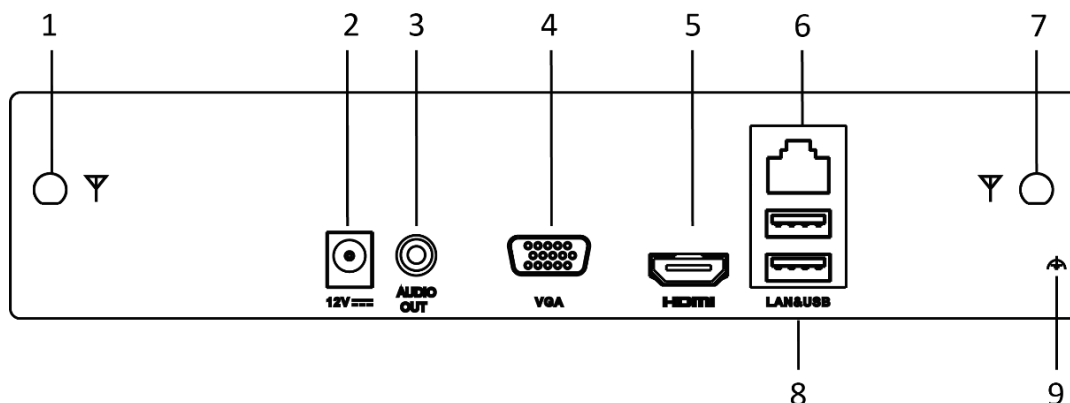


## NVR Dimension



Unit: mm

## Physical Interface



No.	Description	No.	Description
1	Wi-Fi Antenna	6	LAN
2	Power Supply	7	Wi-Fi Antenna
3	Audio Out	8	USB
4	VGA Interface	9	Ground
5	HDMI Interface		

## Available Model

NK44W1H-1T(WD)

0100001090605

NOTE: The wireless signal may not go through some walls. Examples: Thick walls in old houses, walls with metal in them, such as with insulation backing, or more than one wall. This WiFi kit probably won't work well in large houses.

Pro tip: Try and place the Recorder in a central location where it is most likely to get a good signal from all the cameras. Can be very useful for covering garages or sheds within short distances, but must have good line-of-sight.

These cameras still need to be connected to a power socket, the kit comes with four power supplies.