

## IK-4248TH-MH/P PoE Kit

### Key Feature

- One pack contains everything required for small monitoring scenarios
- One 4-channel PoE NVR with decoding up to 4-ch@1080p
- Four 4K fixed turret network cameras with efficient H.265 compression technology
- 5 network cables
- 2 TB pre-installed HDD



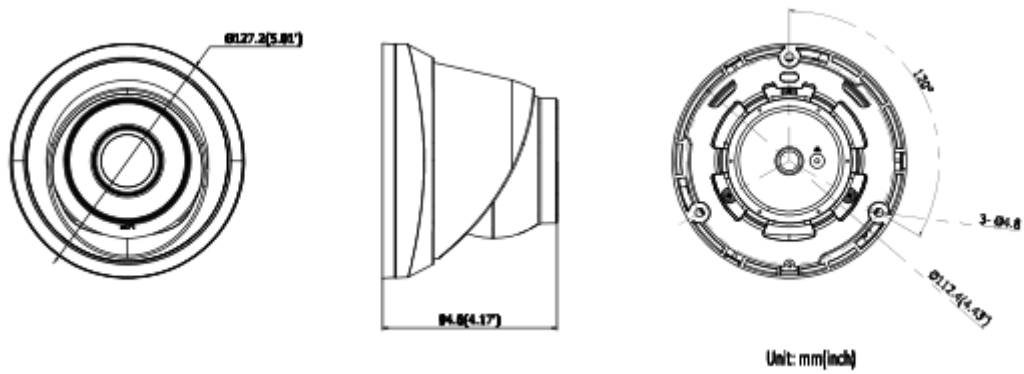
## Specification

<b>Kit Model</b>	IK-4248TH-MH/P
<b>Camera Model</b>	IPC-T280H (2.8mm)
<b>NVR Model</b>	NVR-104MH-C/4P
<b>Camera</b>	
<b>Image Sensor</b>	1/2.8" Progressive Scan CMOS
<b>Max. Resolution</b>	3840 × 2160
<b>Min. Illumination</b>	Color: 0.01 Lux @(F2.0, AGC ON), B/W: 0 Lux with IR
<b>Shutter Time</b>	1/3 s to 1/100,000 s
<b>Day &amp; Night</b>	IR cut filter
<b>Angle Adjustment</b>	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
<b>Lens</b>	
<b>Lens Type</b>	Fixed focal lens, 2.8 and 4 mm optional
<b>Focal Length &amp; FOV</b>	2.8 mm, horizontal FOV 108°, vertical FOV 60°, diagonal FOV 127°
<b>Lens Mount</b>	M12
<b>Iris Type</b>	Fixed
<b>Aperture</b>	F2.0
<b>DORI</b>	
<b>DORI</b>	D: 81 m, O: 32 m, R: 16 m, I: 8 m
<b>Illuminator</b>	
<b>Supplement Light Type</b>	IR
<b>Supplement Light Range</b>	Up to 30 m
<b>Smart Supplement Light</b>	Yes
<b>IR Wavelength</b>	850 nm
<b>Video</b>	
<b>Main Stream</b>	50 Hz: 12.5 fps (3840 × 2160), 20 fps (2592 × 1944), 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 15 fps (3840 × 2160), 20 fps (2592 × 1944), 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
<b>Sub-Stream</b>	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
<b>Video Compression</b>	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG
<b>Video Bit Rate</b>	32 Kbps to 16 Mbps
<b>H.264 Type</b>	Baseline Profile/Main Profile/High Profile
<b>H.265 Type</b>	Main Profile
<b>Bit Rate Control</b>	CBR/VBR
<b>Region of Interest (ROI)</b>	1 fixed region for main stream
<b>Network</b>	
<b>Security</b>	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, security audit log, TLS 1.2, host authentication (MAC address)
<b>Simultaneous Live View</b>	Up to 6 channels

<b>API</b>	Open Network Video Interface (Profile S), ISAPI, SDK
<b>Protocols</b>	TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UDP, QoS, Bonjour, FTP, 802.1x, SMTP
<b>User/Host</b>	Up to 32 users 3 levels: Administrator, Operator and User
<b>Client</b>	iVMS-4200, HiLookVision
<b>Web Browser</b>	Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+
<b>Image</b>	
<b>Wide Dynamic Range (WDR)</b>	120 dB
<b>SNR</b>	≥ 52 dB
<b>Day/Night Switch</b>	Day, Night, Auto, Schedule
<b>Image Enhancement</b>	BLC, HLC, 3D DNR
<b>Image Settings</b>	Mirror, rotate, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
<b>Privacy Mask</b>	4 regions of privacy mask
<b>Interface</b>	
<b>Ethernet Interface</b>	1 RJ45 10 M/100 M self-adaptive Ethernet port
<b>Event</b>	
<b>Basic Event</b>	Motion detection, video tampering alarm, exception
<b>Linkage</b>	Notify surveillance center, trigger capture
<b>General</b>	
<b>Power</b>	12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W
<b>Material</b>	Metal & Plastic
<b>Dimension</b>	Ø110 mm × 95.2 mm (Ø4.3" × 3.8")
<b>Package Dimension</b>	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
<b>Weight</b>	Approx. 320 g (0.7 lb.)
<b>With Package Weight</b>	Approx. 530 g (1.2 lb.)
<b>Storage Conditions</b>	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
<b>Startup and Operating Conditions</b>	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
<b>Language</b>	English, Ukrainian
<b>General Function</b>	Anti-flicker, heartbeat, password protection, password reset via email
<b>Approval</b>	
<b>EMC</b>	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4: 2011+A1: 2014); RCM (AS/NZS CISPR 32: 2015)
<b>Safety</b>	CB (IEC 62368-1:2014+A11); CE-LVD (EN 62368-1:2014/A11:2017)
<b>Environment</b>	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
<b>Protection</b>	IP67 (IEC 60529-2013)





<b>NVR</b>	
<b>Video and Audio</b>	
<b>IP Video Input</b>	4-ch
	Up to 8 MP resolution
<b>Incoming/Outgoing Bandwidth</b>	40 Mbps/80 Mbps
<b>HDMI Output</b>	1-ch, 4K (4096 x 2160)/30 Hz, 4K (3840 x 2160)/30 Hz, 2K (2560 x 1440)/60 Hz, 1920 x 1080/60 Hz, 1600 x 1200/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz
<b>VGA Output</b>	1-ch, 1920 x 1080/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz
<b>Decoding</b>	
<b>Decoding Format</b>	H.265+/H.265/H.264+/H.264
<b>Video Resolution</b>	8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA /4CIF/DCIF/2CIF/CIF/QCIF
<b>Synchronous Playback</b>	4-ch
<b>Capability</b>	2-ch@8 MP (15 fps)/5-ch@1080p (30 fps)
<b>Network</b>	
<b>Remote Connection</b>	16
<b>Network Protocol</b>	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
<b>Network Interface</b>	1, RJ-45 10/100 Mbps self-adaptive Ethernet interface
<b>PoE</b>	
<b>Interface</b>	4, RJ-45 10/100 Mbps self-adaptive Ethernet interface
<b>Power</b>	≤ 50 W
<b>Standard</b>	IEEE 802.3 af/at
<b>Auxiliary interface</b>	
<b>SATA</b>	1 SATA interface
<b>Capacity</b>	Up to 8 TB capacity for each disk
<b>USB Interface</b>	Rear panel: 2 x USB 2.0
<b>General</b>	
<b>Power Supply</b>	48 VDC, 1.35 A
<b>Consumption (without HDD and PoE off)</b>	≤ 10 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 x D x H)</b>	265 x 225 x 48 mm (10.2" x 8.9" x 1.9")
<b>Weight (without hard disk)</b>	≤ 1 kg (2.2 lb)
<b>Kit</b>	
<b>Accessories</b>	Network cable: 4 x 18 m (59.1 ft) video and power cable 1 x 1 m (3.3 ft) video and power cable
<b>Hard Drive</b>	Pre-installed 2 TB HDD
<b>Certification</b>	FCC, CE
<b>Weight (with package)</b>	≤ 6.5 kg (14.3 lb)

## Camera Dimension

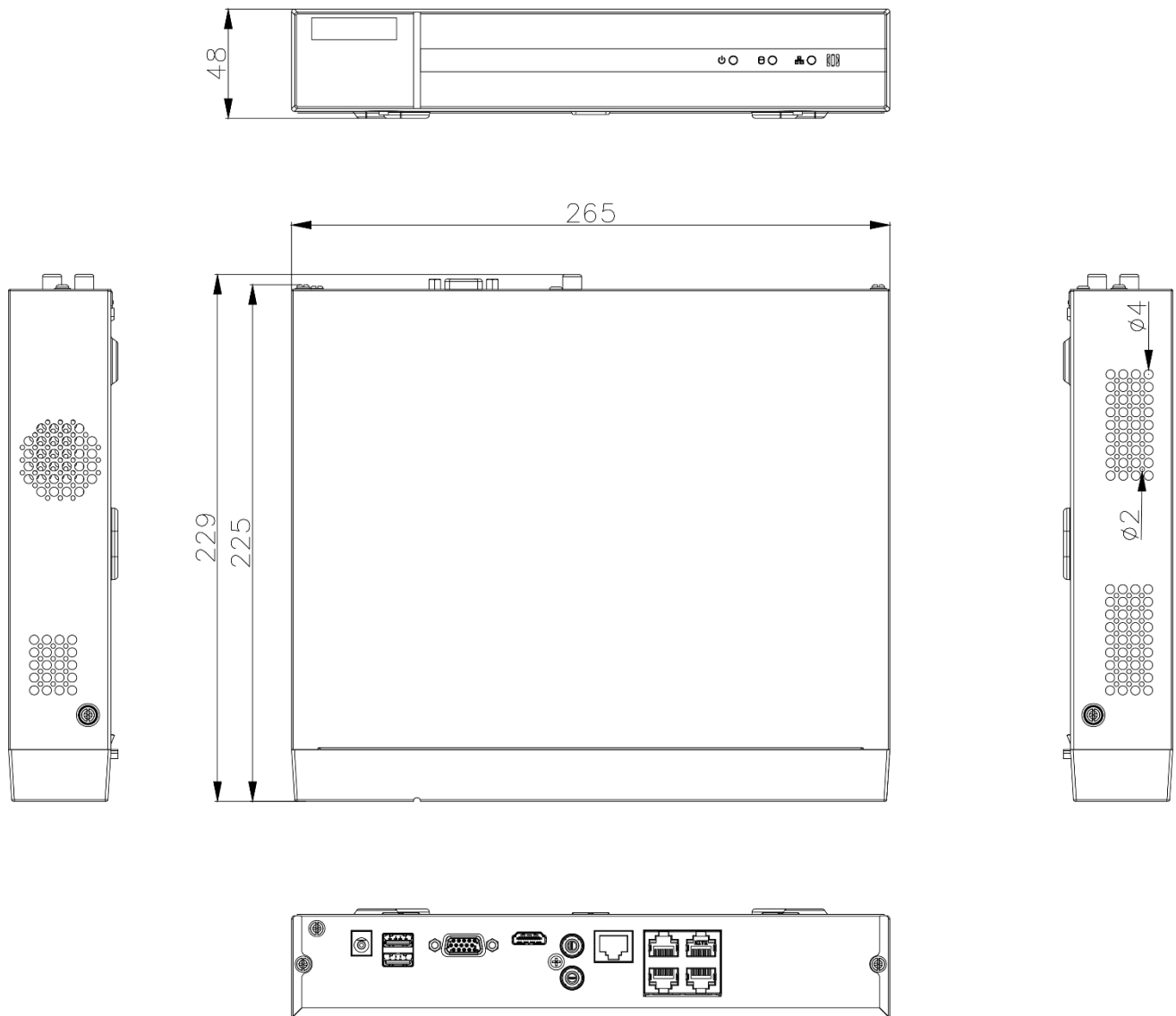


## Accessory

Optional

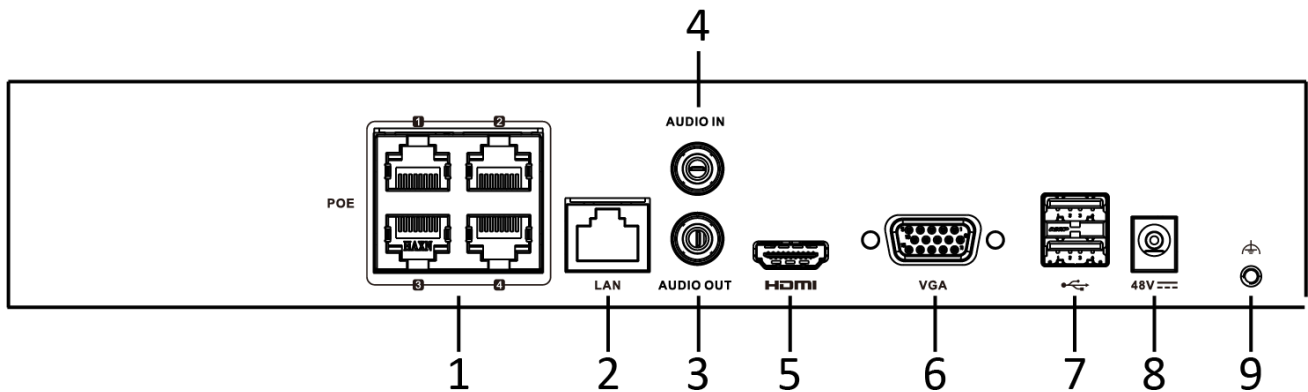
PC130T+WML Wall Mount	CB130T Junction Box	PM Vertical Pole Mount	CM Corner Mount
			

## NVR Dimension



scale/1:1;Unit/mm

## Physical Interface



No.	Description	No.	Description
1	PoE Interfaces	6	VGA Output (DB9 Connector)
2	LAN Interface	7	USB Interfaces
3	AUDIO OUT	8	Power Supply
4	AUDIO IN	9	GND
5	HDMI Interface		

## Available Model

IK-4248TH-MH/P