

I100M Series Surveillance Kits

NVR and Camera Kits

NVR

Video Input and Transmission

- Connectable to the third-party network cameras
- Up to 4 network cameras can be connected

Compression and Recording

- H.264+ compression effectively reduces the storage space and costs by up to 50%
- Full channel recording at up to 4 MP resolution

HD Video Output

- HDMI/VGA output at 1080p resolution

Storage and Playback

- Up to 2-ch synchronous playback at 4 MP resolution or 4-ch at 1080p resolution
- 1 SATA hard disks can be connected with 6TB capacity
- HDD quota and group modes; different capacity can be assigned to different channel

Smart Function

- Supports multiple VCA(Video Content Analytics) events detection
- Smart search for the selected area in the video; and smart playback to improve the playback efficiency
- One-key operation: automatically search, modify and add IP cameras after device is activated

Network & Ethernet Access

- Hik-Connect and DyDDNS for easy network management
- 10/100/1000 Mbps Ethernet network interface
- 4 independent 100 Mbps built-in switch network interfaces

CAMERAS

- 1/3" progressive scan CMOS
- Up to 4.0 megapixel
- 2.8 mm fixed focal lens
- Up to 30 m IR range
- Dual stream
- Digital WDR (Wide Dynamic Range)
- 3D DNR (Digital Noise Reduction)
- PoE (Power over Ethernet)
- IP67
- Mobile monitoring via Hik-Connect or iVMS-4500



IPC-B140



IPC-T140



NVR-100M series

Camera	
Image Sensor	1/3" progressive scan CMOS
Min. Illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s, support slow shutter
Lens	2.8 mm @F2.0, horizontal field of view 105.8°,
Lens Mount	M12
Day & Night	IR cut filter with auto switch
3-Axis Adjustment (Bracket)	Pan: 0° to 360°, tilt: -90° to 90°, rotation: 0° to 360°
DNR (Digital Noise Reduction)	3D DNR
WDR (Wide Dynamic Range)	Digital WDR
Compression Standard	
Video Compression	Main stream: H.264+/H.264 Sub stream: H.264/MJPEG
H.264 Type	Main Profile/High profile
Video Bit Rate	32 Kbps to 16 Mbps
Image	
Max. Resolution	2688 × 1520
Main Stream Max. Frame Rate	50Hz: 20fps @(2688 × 1520), 20fps @(2304 × 1296), 25fps @(1920 × 1080, 1280 × 720) 60Hz: 20fps @(2688 × 1520), 20fps @(2304 × 1296), 30fps @(1920 × 1080, 1280 × 720)
Sub-stream Max. Frame Rate	50Hz: 25fps @(640 × 360, 352 × 288) 60Hz: 30fps @(640 × 360, 352 × 240)
Image Settings	Brightness, saturation, contrast, sharpness are adjustable via web browser or client software
Day/Night Switch	Support auto, scheduled
Others	Mirror, BLC (area configurable), region of interest (support 1 fixed region)
Network	
Network Storage	NAS (NFS, SMB/CIFS)
Detections	Motion detection
Alarms	Video tampering, network disconnected, IP address conflicted
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
General	
Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity: 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, PoE (802.3af)
Power Consumption	Max. 5 W/6.5 W (PoE)
Ingress Protection	IP67
IR Range	Up to 30 m
Dimensions	69.1 mm × 66 mm × 172.7 mm (2.7" × 2.6" × 6.8")
Weight	500 g (1.1 lb.)

Model	NVR-104M-A/4P	
Video/Audio input	IP video input	4-ch
	Two-way audio input	1-ch, RCA (2.0 Vp-p, 1kΩ)
Network	Incoming bandwidth	40 Mbps
	Outgoing bandwidth	80 Mbps
	Remote connection	64
Video/Audio output	Recording resolution	6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2 CIF/CIF/QCIF
	Frame rate	Main stream: 50 fps (P)/60 fps (N)
		Sub-stream: 50 fps (P)/60 fps (N)
	HDMI/VGA output	1-ch, resolution: 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Audio output	1-ch, RCA (Linear, 1kΩ)	
Decoding	Live view/Playback resolution	6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2 CIF/CIF/QCIF
	Capability	4-ch@1080p
Hard disk	SATA	1 SATA interface for 1 HDD
	Capacity	Up to 4TB for each disk
Network management	Network protocols	TCP/IP, DHCP, Hik-Connect, DDNS, NTP, SADP, SMTP, UPnP™
External interface	Network interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
	USB interface	1 × USB 2.0 and 1 × USB 3.0
PoE	Interface	4 independent 100 Mbps PoE network interfaces
	Max. Power	50 W
	Supported standard	AF and AT
General	Power supply	48 VDC
	Consumption (without hard disk and PoE)	≤ 65 W
	Working temperature	-10 °C to +55 °C (14 °F to 131 °F)
	Working humidity	10 % to 90 %
	Dimensions (W × D × H)	315 × 240 × 48 mm (12.4" × 9.4" × 1.9")
	Weight (without hard disk)	≤ 1 kg (2.2 lb)

Each Hiwatch series I100M series Surveillance Kit features a Network Video Recorder (NVR) bundled with bullet or turret network cameras.

Kits are available with four channel (includes four cameras) NVR features 1080p output.

The cameras' 4 MP progressive scan CMOS sensors offer resolutions up to 2688 × 1520. Includes 1 TB HDD.

Available Models:

I104M-A/1T:(1)NVR-104M-A/4P NVR w/1 TB HDD
(4) IPC-B140 mini bullet Cameras
I104M-B/1T:(1)NVR-104M-A/4P NVR w/1 TB HDD
(4) IPC-T140 turret Cameras