

## T100 Series Surveillance Kits

### DVR and Camera Kits

#### DVR

##### Video Input and Transmission

- Connectable to Turbo HD/HDCVI/AHD/CVBS signal input
- Long distance transmission over UTP and coaxial cable

##### Compression and Recording

- One-key enable H.264+ compression to improve encoding efficiency by up to 50% and reduce data storage costs
- Supports 1080p lite and when enabled, the image effect is similar with 1080p

##### Video Output

- Simultaneous HDMI/VGA output at up to 1920 × 1080 resolution

##### Storage and Playback

- One SATA interface (up to 6 TB capacity per HDD)
- 4/8 -ch synchronous playback
- Smart search for efficient playback

##### Smart Function

- VQD (Video Quality Diagnostics)
- Unlock pattern for device login for the *admin* and clear-text password available
- GUID file can be exported for password resetting and imported for finding the forgotten password
- Supports PTZ control via Omnicast VMS of Genetec protocol

##### Network & Ethernet Access

- Hik-Connect for easy network management

### Camera

- 2 megapixel high-performance CMOS
- Analog HD output, up to 1080p resolution
- 2.8 mm fixed focal lens
- Day/Night switch
- DNR
- Smart IR
- Up to 20 m IR distance
- Switchable TVI/AHD/CVI/CVBS
- IP66



THC-B120

THC-T120



DVR-100G series

Model		DVR-104Q-F1	DVR-108Q-F1	
Video/Audio input	Video compression	H.264+/H.264		
	Analog video input	4-ch	8-ch	
		BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection 3 MP, 1080p25, 1080p30, 720p25, 720p30, 720p50, 720p60		
	Turbo HD input	<b>Note:</b> The 3 MP signal input is only available for the first channel of DVR-104Q-F1, the first 2 channels of DVR-108Q-F1		
	AHD input	1080p25, 1080p30, 720p25, 720p30		
	HDCVI input	1080p25, 1080p30, 720p25, 720p30		
	CVBS input	Support		
	Audio compression	G.711u		
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)			
Video/Audio output	HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
	Encoding resolution	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 1080p lite/720p/VGA/WD1/4CIF/CIF		
	Frame rate	Main stream: <b>1080p Lite mode disable:</b> For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@12fps For 1080p stream access: 1080p/720p@12fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) <b>1080p Lite mode enabled:</b> 1080p lite/720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)		
		Sub-stream: CIF/QVGA/QCIF@25fps		
	Video bit rate	32 Kbps to 4 Mbps		
	Audio output	1-ch, RCA (Linear, 1 KΩ)		
	Audio bit rate	64 Kbps		
	Dual stream	Support		
	Stream type	Video, Video & Audio		
	Synchronous playback	4-ch	8-ch	
Network management	Remote connections	128		
	Network protocols	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS		
Hard disk	SATA	1 SATA interface		
	Capacity	Up to 6 TB capacity for each disk		
External interface	Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface		
	USB interface	Rear panel: 2 × USB 2.0		
General	Power supply	12 VDC		
	Consumption (without HDD)	≤ 8 W	≤ 12 W	
	Working temperature	-10 °C to +55 °C (14 °F to 131 °F)		
	Working humidity	10% to 90%		
	Dimensions (W × D × H)	200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)		
	Weight (without HDD)	≤ 0.8 kg (1.8 lb)		

<b>Camera</b>	
Image Sensor	2 MP CMOS image sensor
Signal System	PAL/NTSC
Effective Pixels	1920 (H) × 1080 (V)
Min. illumination	0.01 Lux@(F1.2, AGC ON), 0 Lux with IR
Shutter Time	1/25 (1/30) s to 1/50,000 s
Lens	2.8 mm
	Field of view : 92° (2.8 mm)
Lens Mount	M12
Day & Night	ICR
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 180°, Rotation: 0° to 360°
Synchronization	Internal synchronization
Video Frame Rate	1080p@25fps/1080p@30fps
HD Video Output	1 analog HD output
S/N Ratio	> 62 dB
<b>General</b>	
Operating Conditions	-40 °C ~60 °C (-40 °F ~140 °F), Humidity: 90% or less (non-condensation)
Power Supply	12 V DC±15%
Power Consumption	Max. 4 W
Material	Metal
IR Range	Up to 20 m
Dimensions	∅ 85.4 mm × 76.12 mm (∅ 3.38" × 2.67")
Weight	130 g (0.29 lb.)

Each Hiwatch series T100 series Surveillance Kit features a Digital Video Recorder (DVR) bundled with bullet or turret network cameras.

Kits are available with four channel (includes four cameras) or eight channel (includes six cameras) DVRs.

Each DVR features 1080p output.

The cameras' 2 MP progressive scan CMOS sensors offer resolutions up to 1920 x 1080. Includes 1 TB or 2 TB HDD.

Available Models:

T104Q-A/1T: (1) DVR-104-G-F1 DVR w/1 TB HDD  
(4) THC-B120 mini bullet Cameras

T104Q-B/1T: (1) DVR-104-G-F1 NVR w/1 TB HDD  
(4) THC-T120 turret Cameras

T108Q-A/2T: (1) DVR-108-G-F1 NVR w/2 TB HDD  
(6) THC-B120 mini bullet Cameras

T108Q-B/2T: (1) DVR-108-G-F1 NVR w/2 TB HDD  
(6) THC-T120 turret Cameras