HIKVISION®
HiWatch Series

HWD-5100M SERIES
TURBO HD DVR

Key Features

- H.264+/H.264 video compression
- HDTVI/AHD/CVI/CVBS/IP video input
- Audio via coaxial cable
- Up to 5-ch IP camera input for HWD-5104M (up to 1080p); Up to 10/18-ch IP camera input for HWD-5108/5116M (up to 5 MP)
- Max. 1200 m for 720p HDTVI signal transmission

Compression and Recording

- H.264 + video compression improves encoding efficiency and reduces data storage costs
- Support 1080p lite of all channels. When 1080p lite is on, the image effect is similar with 1080p

Storage and Playback

- 1 SATA interface (up to 6 TB capacity per HDD)
- Smart search for efficient playback

Smart Function

- Support multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

Network & Ethernet Access

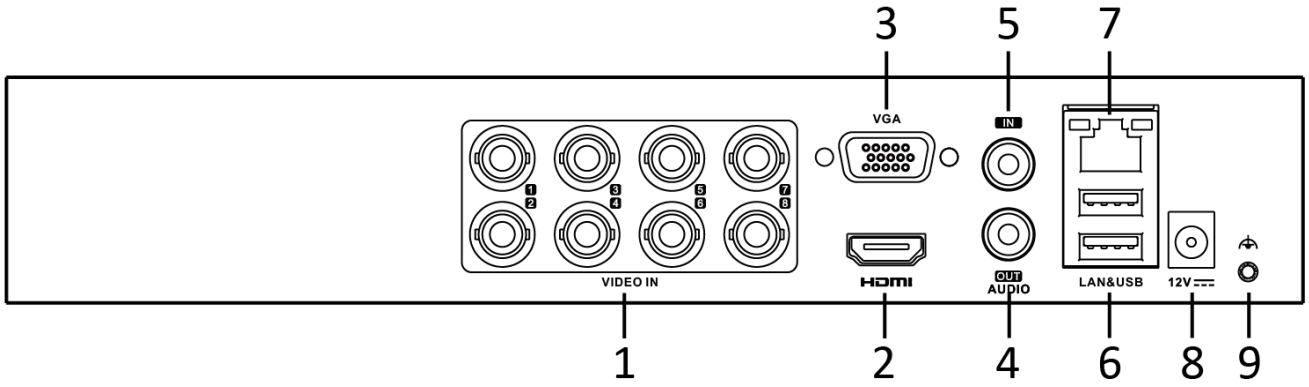
- Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management
- 64/72 Mbps total bandwidth

Specifications

Model	HWD-5104M	HWD-5108M
Recording		
Video compression	H.264+/H.264	
Encoding resolution	When 1080p lite mode not enabled: 720p/WD1/4CIF/VGA/CIF When 1080p lite mode enabled: 1080p lite/HD 720p lite/WD1/4CIF/VGA/CIF	
Frame rate	Main stream: When 1080p lite mode enabled: 1080p lite/HD 720p lite/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) When 1080p lite mode not enabled: For 720p stream access: 720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) For SD stream access: WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)	Main stream: When 1080p lite mode enabled: 1080p lite/HD 720p lite/WD1/4CIF/VGA@12fps; CIF@25fps (P)/30fps (N) When 1080p lite mode not enabled: For 720p stream access: 720p/WD1/4CIF/VGA@12fps; CIF@25fps (P)/30fps (N) For SD stream access: WD1/4CIF/VGA/CIF@25fps (P)/30fps (N)
	Sub-stream: 2CIF@6fps; CIF/QVGA/QCIF@ 25fps (P)/30fps (N)	Sub-stream: CIF/QVGA/QCIF@12fps
Video bit rate	32 Kbps to 4 Mbps	
Dual stream	Support	
Stream type	Video, Video & Audio	
Audio compression	G.711u	
Audio bit rate	64 Kbps	
Video and Audio		
IP video input	1-ch (up to 5-ch)	2-ch (up to 10-ch)
	Up to 1080p resolution	Up to 5 MP resolution
	Support H.264+/H.264 IP cameras	
Analog video input	4-ch	8-ch
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	
Turbo HD input	1080p25, 1080p30, 720p25, 720p30	
AHD input	1080p25, 1080p30, 720p25, 720p30	
HDCVI input	1080p25, 1080p30, 720p25, 720p30	
CVBS input	Support	
HDMI/VGA output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)	
	4-ch via coaxial cable	8-ch via coaxial cable
Audio output	1-ch, RCA (Linear, 1 KΩ)	
Two-way audio	Reuse the first audio input	
Synchronous playback	4-ch	8-ch
Network		
Remote connections	32	64
Network protocols	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP™, HTTPS, ONVIF	
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface	

Auxiliary interface		
SATA	1 SATA interface	
Capacity	Up to 6 TB capacity for each disk	
Alarm in/out	N/A	
USB interface	Rear panel: 2 × USB 2.0	
General		
Power supply	12 VDC, 1.5 A	
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)	260 × 222 × 45 mm (10.2 × 8.7 × 1.8 inch)	
Weight (without HDD)	≤ 0.8 kg (1.8 lb)	

Physical Interface



***: The rear panel of HWD-5104M provides 4 video input interfaces.**

No.	Description	No.	Description
1	Video and Audio in	**6**	USB Interfaces
2	HDMI Interface	**7**	LAN Network Interface
3	VGA Interface	**8**	12 VDC Power Input
4	AUDIO OUT, RCA Connector	**9**	GND
5	AUDIO IN, RCA Connector		

Available Model

HWD-5104M, HWD-5108M

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