

LTD8304M-ET & LTD8308M-ETC

PLATINUM TURBO SMART DVR

Key Features

- Deep learning-based motion detection 2.0 for all analog channels
- Deep learning-based perimeter protection
- Video compressions range from H.264 up to H.265 Pro+
- HDTV / AHD / CVI / CVBS / IP video inputs
- Audio via coaxial cable
- 6 or 12 channels of IP camera inputs (up to 6 MP)
- Up to 10 TB data storage capacity per HDD



Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency and reduces data storage costs
- All channel recording at up to 1080p resolution

Storage and Playback

- Smart search for efficient playback

Smart Functions

- Deep learning-based motion detection and perimeter protection (line crossing and intrusion detection)
- Support for multiple VCA (Video Content Analytics) events for both analog and smart IP cameras

Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- LTS Connect & DDNS (Dynamic Domain Name System) for easy network management
- Output bandwidth limit is configurable

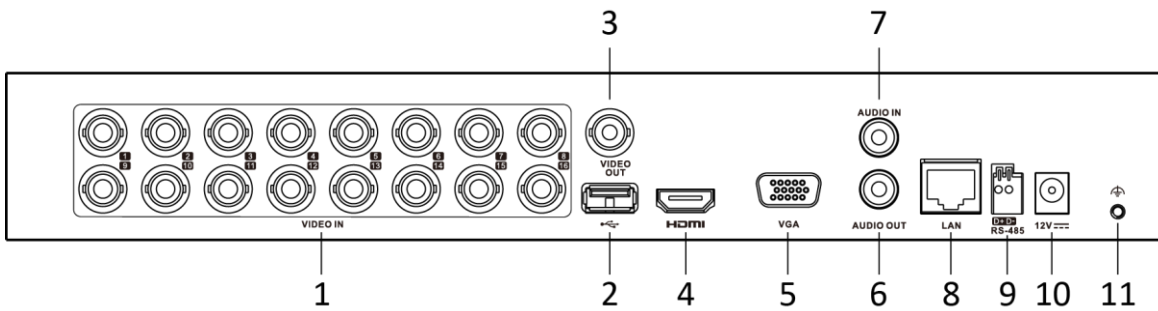
Specifications

Model	LTD8304M-ET	LTD8308M-ETC
Motion Detection 2.0¹		
Human / vehicle analysis	Deep learning-based motion detection 2.0 is enabled by default for all analog channels. It can distinguish humans and vehicles, and radically reduce false alarms caused by objects like leaves, animals, and light changes. Quick search by object or event type is supported.	
Perimeter Protection¹		
Human / vehicle analysis	Up to 2 channels	Up to 4 channels
Recording		
Video compression	H.264 / H.264+ / H.265 / H.265 Pro / H.265 Pro+	
Encoding resolutions	Main stream, with 1080p Lite mode <i>disabled</i> : <ul style="list-style-type: none"> 4 MP stream access: 4 MP lite @ 15 fps; 1080p lite / 720p / WD1 / 4CIF / VGA / CIF @ 25 fps (P) / 30 fps (N) 3 MP stream access: 3 MP / 1080p / 720p / VGA / WD1 / 4CIF / CIF @ 15 fps 1080p stream access: 1080p / 720p @ 15 fps; VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N) 720p stream access: 720p / VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N) 	
	With 1080p Lite mode <i>enabled</i> : 4 MP Lite / 3 MP @ 15 fps; 1080p Lite / 720p Lite / VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N)	
	Sub-stream: WD1 / 4CIF @ 12 fps; CIF @ 25 fps (P) / 30 fps (N)	
Video bitrate	32 Kbps to 6 Mbps	
Dual stream	Supported	
Stream type	Video, Video & Audio	
Audio compression	G.711 u	
Audio bitrate	64 Kbps	
Video and Audio		
IP video input²	1 channel (up to 5)	2 channels (up to 10)
	Enhanced IP mode on: 2 ch (up to 6), each up to 4 Mbps	Enhanced IP mode on: 4 ch (up to 12), each up to 4 Mbps
	Up to 6 MP resolution	
	Support for H.264 / H.264+ / H.265 / H.265+ IP cameras	
Total bandwidth	72 Mbps	96 Mbps
Analog video input	4 channels	8 channels
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection	

HDTVI input	3 & 4 MP, 1080p @ 30 fps, 1080p @ 25 fps, 720p @ 60 fps, 720p @ 50 fps, 720p @ 30 fps, 720p @ 25 fps *The 3 MP signal input is only available for channel 1 of LTD8304M-ET, for channel 1/2 of LTD8308M-ETC	
AHD input	4 MP, 1080p @ 25 fps, 1080p @ 30 fps, 720p @ 25 fps, 720p @ 30 fps	
HDCVI input	4 MP, 1080p @ 25 fps, 1080p @ 30 fps, 720p @ 25 fps, 720p @ 30 fps	
CVBS input	PAL / NTSC	
CVBS output	1 ch, BNC (1.0 Vp-p, 75 Ω) Resolutions: PAL: 704 × 576, NTSC: 704 × 480	
HDMI/VGA output	1 ch, 1920 × 1080 @ 60Hz, 1280 × 1024 @ 60 Hz, 1280 × 720 @ 60 Hz, 1024 × 768 @ 60 Hz; HDMI / VGA simultaneous output	
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	1 ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)	
Synchronous playback	4 ch	8 ch
Network		
Remote connections	32	64
Network protocols	TCP/IP, PPPoE, DHCP, LTS-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF	
Network interface	1 x RJ45 10/100 Mbps self-adaptive Ethernet interface	
Wi-Fi	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface	
Auxiliary interface		
SATA	1 x SATA interface, up to 10 TB storage for each disk drive	
Serial interface	RS-485 (half-duplex)	
USB interface	Front panel: 1 × USB 2.0	
	Rear panel: 1 × USB 2.0	
Alarm in/out	N/A	
General		
Power supply	12 VDC, 1.5 A	
Consumption (without HDD)	≤ 18 W	
Operating temperature	14° to 131° F (-10° to 55° C)	
Operating humidity	10% to 90%	
Dimensions (W × D × H)	12.4 × 9.5 × 1.8 in. (315 × 242 × 45 mm)	
Weight (without HDD)	≤ 2.6 lbs (1.16 kg)	≤ 3.9 lbs (1.78 kg)

Notes:

- 1: Motion detection 2.0 and perimeter protection cannot be enabled at the same time. Enabling one function will make the other unavailable.
- 2: Enhanced IP mode might conflict with smart events (motion detection 2.0 and perimeter protection) or other functions. Please refer to the user manual for details.



*The rear panel of LTD8304M-ET provides 4 video input interfaces.
The rear panel of LTD8308M-ETC provides 8 video input interfaces.

Physical Interface

No.	Description	No.	Description
1	Video In	7	Audio In, RCA connector
2	USB interface	8	LAN network interface
3	Video Out	9	RS-485 serial interface
4	HDMI interface	10	12 VDC power input
5	VGA interface	11	GND
6	AudioOut, RCA connector		