

LTD8508M-ST

Platinum Turbo Smart DVR

Key Features

- Deep learning-based motion detection 2.0 for all analog channels
- Deep learning-based perimeter protection
- Video compressions from H.264 to H.265 Pro+
- Multiple video inputs
- Audio via coaxial cable
- Up to 16 channels of IP camera inputs (up to 8 MP)
- Up to 10 TB storage capacity per HDD



Compression and Recording

- H.265 Pro+ video compression improves encoding efficiency and reduces data storage costs
- DVR records at up to 8 MP resolution

Storage and Playback

- Two SATA interfaces
- Smart search for efficient playback

Smart Function

- 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 configurable

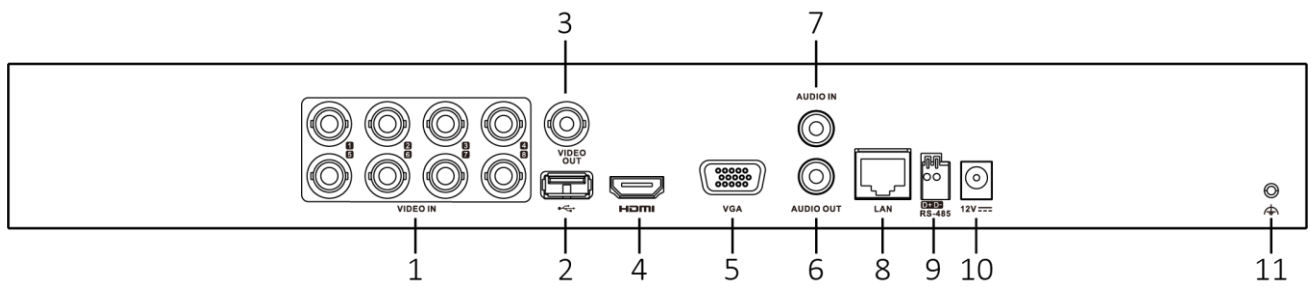
Specifications

Model	LTD8508M-ST
Motion Detection 2.0¹	
Human / vehicle analysis	Deep learning-based motion detection 2.0 is enabled by default for all analog channels. It can classify human and vehicle targets and vastly 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 4 channels
Recording	
Video compression	H.264, H.264+, H.265, H.265 Pro, H.265 Pro+
Encoding resolution	Main stream: 8 MP @ 8 fps / 5 MP @ 12 fps / 4 MP @ 15 fps / 3 MP @ 18 fps 1080p / 720p / WD1 / 4CIF / VGA / CIF @ 25 fps (P) / 30 fps (N)
	Sub-stream: WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N)
Video bit rate	32 Kbps to 10 Mbps
Dual stream	Supported
Stream type	Video, Video & Audio
Audio compression	G.711 u
Audio bit rate	64 Kbps
Video and Audio	
IP video input²	4 channels (up to 12)
	Enhanced IP mode on: 8 channels (up to 16), each up to 4 Mbps
	Up to 8 MP resolution
	Supports H.264 / H.264+ / H.265 / H.265+ IP cameras
Analog video input	8 channels
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTVI input	8 5, 4, and 3 MP; 1080p @ 30 fps or 25 fps; 720p @ 60, 50, 30 or 25 fps
AHD input	5 & 4 MP; 1080p @ 25 or 30 fps; 720p @ 25 or 30 fps
HDCVI input	4 MP; 1080p @ 25 or 30 fps; 720p @ 25 or 30 fps
CVBS input	PAL/NTSC
CVBS output	1 channel, BNC (1.0 Vp-p, 75 Ω)
	Resolution: PAL: 704 × 576, NTSC: 704 × 480
VGA output	1 channel, 1920 × 1080 @ 60 Hz
	1280 × 1024 @ 60 Hz
	1280 × 720 @ 60 Hz
	1024 × 768 @ 60 Hz
	HDMI/VGA simultaneous output

HDMI output	1-channel, 4K (3840 × 2160) @ 30 Hz 2K (2560 × 1440) @ 60 Hz 1920 × 1080 @ 60 Hz 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) 8 channels 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 audio input)
Synchronous playback	8 channels
Network	
Remote connections	64
Network protocols	TCP/IP, PPPoE, DHCP, LTS-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
Network interface	1 x RJ45 10/100/1000 Mbps self-adaptive Ethernet interface
Wi-Fi	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface
Auxiliary interface	
SATA	2 x SATA interfaces
Capacity	Up to 10 TB storage capacity for each HDD
Serial interface	RS-485 (half-duplex)
USB interface	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0
Alarm in/out	N/A
General	
Power supply	12 VDC, 2.8 A
Consumption (without HDD)	≤ 15 W
Operating temperature	14° to 131° F (-10° to 55° C)
Operating humidity	10% to 90%
Dimensions (W × D × H)	15.0 × 12.6 × 1.9 in. (380 × 320 × 48 mm)
Weight (without HDD)	≤ 13.9 lbs (78 kg)

Note:

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



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	Audio Out, RCA connector		