

## LTD8316M-ET 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 up to H.265 Pro +
- Multiple video input types
- Audio via coaxial cable
- Up to 24 channels of IP camera inputs (up to 6 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
- Full channel recording at up to 1080p resolution

### Storage and Playback

- Two SATA interfaces
- 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 configurable

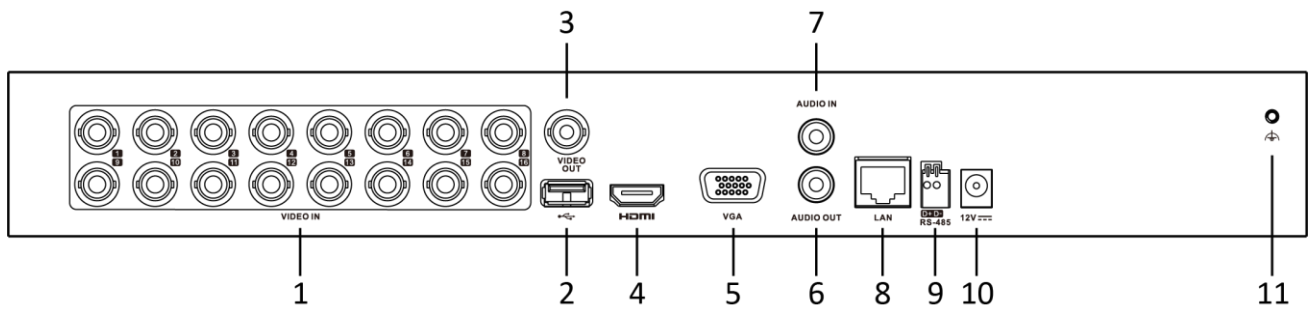
## Specifications

<b>Model</b>	<b>LTD8316M-ET</b>
<b>Motion Detection 2.0<sup>1</sup></b>	
<b>Human / vehicle analysis</b>	<p>Deep learning-based motion detection 2.0 is enabled by default for all analog channels. It can classify human and vehicle, and vastly reduce false alarms caused by objects like leaves, animals, and lights.</p> <p>Quick search by object or event type is supported.</p>
<b>Perimeter Protection<sup>1</sup></b>	
<b>Human / vehicle analysis</b>	Up to 4 channels
<b>Recording</b>	
<b>Video compressions</b>	H.265 Pro+ / H.265 Pro / H.265 / H.264+ / H.264
<b>Encoding resolution</b>	<p>Main stream with 1080p Lite mode <i>disabled</i>:</p> <ul style="list-style-type: none"> <li>• 4 MP stream access: 4 MP Lite @ 15 fps; 1080p Lite / 720p / WD1 / 4CIF / VGA / CIF @ 25 fps (P) / 30 fps (N)</li> <li>• 3 MP stream access: 3 MP / 1080p / 720p / VGA / WD1 / 4CIF / CIF @ 15 fps</li> <li>• For 1080p stream access: 1080p / 720p @ 15 fps; VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N)</li> <li>• 720p stream access: 720p / VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N)</li> </ul> <p>When 1080p Lite mode <i>enabled</i>:</p> <ul style="list-style-type: none"> <li>• 4 MP Lite / 3 MP @ 15 fps</li> <li>• 1080p Lite / 720p Lite / VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N)</li> </ul>
	Sub-stream: WD1 / 4CIF @ 12 fps; CIF @ 25 fps (P) / 30 fps (N)
<b>Video bitrate</b>	32 Kbps to 6 Mbps
<b>Dual stream</b>	Supported
<b>Stream type</b>	Video, Video & Audio
<b>Audio compression</b>	G.711 u
<b>Audio bitrate</b>	64 Kbps
<b>Video and Audio</b>	
<b>IP video input<sup>2</sup></b>	2 channels (up to 18)
	Enhanced IP mode on:
	8 channels (up to 24), each up to 4 Mbps
	Up to 6 MP resolution
	Supports H.265+ / H.265 / H.264+ / H.264 IP cameras
<b>Total bandwidth</b>	128 Mbps
<b>Analog video input</b>	16 channels
	BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection

<b>HDTVI input</b>	3 & 4 MP, 1080p @ 30 fps, 1080p @ 25 fps, 720p @ 60 fps, 720p @ 50 fps, 720p @ 30 fps, 720p @ 25 fps <b>*The 3 MP signal input is only available for channels 1/2/3/4 of LTD8316M-ET.</b>
<b>AHD input</b>	4 MP, 1080p @ 25 fps, 1080p @ 30 fps, 720p @ 25 fps, 720p @ 30 fps
<b>HDCVI input</b>	4 MP, 1080p @ 25 fps, 1080p @ 30 fps, 720p @ 25 fps, 720p @ 30 fps
<b>CVBS input</b>	PAL/NTSC
<b>CVBS output</b>	1 channel, BNC (1.0 Vp-p, 75 Ω) Resolution: PAL: 704 × 576, NTSC: 704 × 480
<b>HDMI/VGA output</b>	1 channel, 1920 × 1080 @ 60 Hz, 1280 × 1024 @ 60 Hz, 1280 × 720 @ 60 Hz, 1024 × 768 @ 60 Hz; HDMI/VGA simultaneous output
<b>Audio input</b>	1 ch, RCA (2.0 Vp-p, 1 KΩ) 16 ch via coaxial cable
<b>Audio output</b>	1 ch, RCA (Linear, 1 KΩ)
<b>Two-way audio</b>	1 ch, RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)
<b>Synchronous playback</b>	16 ch
<b>Network</b>	
<b>Remote connections</b>	128
<b>Network protocols</b>	TCP/IP, PPPoE, DHCP, LTS-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF
<b>Network interface</b>	1 × RJ45 10/100/1000 Mbps self-adaptive Ethernet interface
<b>Wi-Fi</b>	Connectable to Wi-Fi network by Wi-Fi dongle through USB interface
<b>Auxiliary interface</b>	
<b>SATA</b>	2 × SATA interfaces, up to 10 TB storage capacity for each disk
<b>Serial interface</b>	RS-485 (half-duplex)
<b>USB interface</b>	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 3.0
<b>Alarm in/out</b>	N/A
<b>General</b>	
<b>Power supply</b>	12 VDC, 3.3 A
<b>Consumption (without HDD)</b>	≤ 40 W
<b>Operating temperature</b>	14° to 131° F (-10° to 55° C)
<b>Operating humidity</b>	10% to 90%
<b>Dimensions (W × D × H)</b>	15.0 × 12.6 × 1.9 in. (380 × 320 × 48 mm)
<b>Weight (without HDD)</b>	≤ 4.4 lbs (2 kg)

**Note:**

- 1: Motion detection 2.0 & 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.



## 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		