

## LTD8308D-ETC

### Platinum Plus 8 Channel DVR with Direct Search & MD 2.0



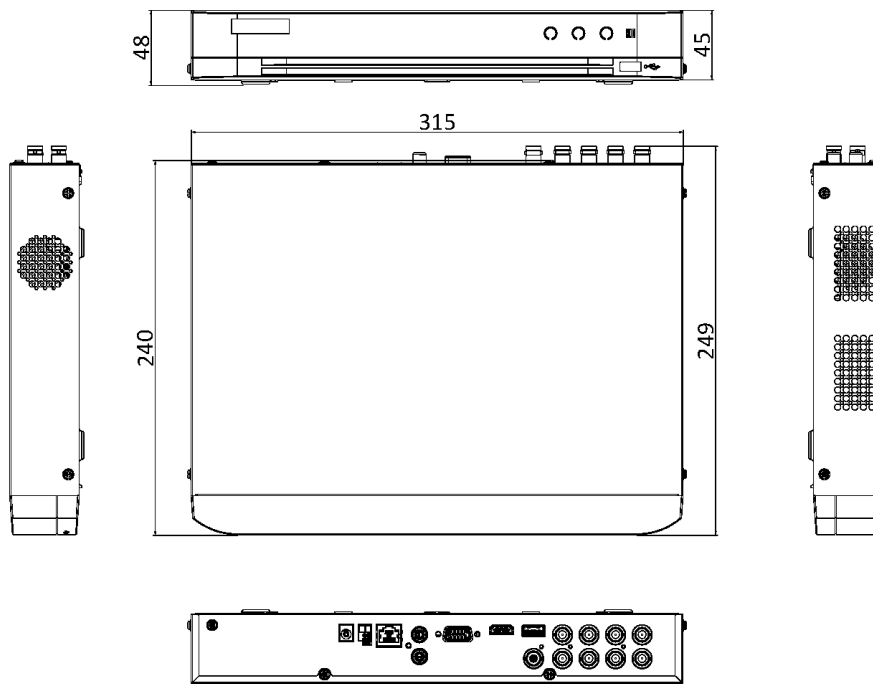
- 8 channels, single HDD, 1U, MD 2.0 DVR
- Supports 2 channels of Facial Recognition or 4 channels of advanced VCA based on Deep Learning algorithm
- Supports 4 channels of Direct Search Technology
- Efficient H.265 Pro+ compression technology
- Encoding ability up to 3K / 5 MP Lite @ 12 fps
- 5 signals input adaptively (HD-TVI / AHD / CVI / CVBS / IP)
- Up to 12 channels of network cameras can be connected
- Supports Motion Detection Technology on all channels
- Supports HD-TVI Two-Way Audio Technology on all channels

## Specifications

| Facial Recognition                              |                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Face Image Library                              | Up to 16 face image libraries                                                                                                                                                                                                                                                                                                                                                                              |
| Face Image Comparison<br>(Captured from camera) | Face image comparison, face image search (2 channels face image comparison alarm for HD analog camera)                                                                                                                                                                                                                                                                                                     |
| Motion Detection 2.0                            |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Human / Vehicle Analysis                        | Deep learning-based Motion Detection 2.0 is enabled by default for all analog channels; it can classify human and vehicle, and extremely reduce false alarms caused by objects like leaves and lights.<br>Quick search by object or event type is supported.                                                                                                                                               |
| VCA                                             |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Human / Vehicle Analysis                        | Up to 4 channels<br>Note: Face image comparison, motion detection 2.0 and VCA cannot be enabled at the same time. Enabling one function will make the other two unavailable.                                                                                                                                                                                                                               |
| Video and Audio                                 |                                                                                                                                                                                                                                                                                                                                                                                                            |
| IP Video Inputs                                 | 2 channels (up to 10 channels)<br>Enhanced IP mode on:<br>4 channels (up to 12 channels), Up to 6 MP resolution<br>Note: Enhanced IP mode might be conflicted with smart events (face image comparison, motion detection 2.0 and VCA) or other functions; please refer to the user manual for details.                                                                                                     |
| Analog Video Inputs                             | 8 channels<br>BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection                                                                                                                                                                                                                                                                                                                              |
| HD-TVI Inputs                                   | 3K (2960 x 1665) @ 25 / 20 fps, 3K (3328 x 1504) @ 20 fps, 5 MP (2560 x 1944) @ 20 fps, 4 MP (2560 x 1440) @ 25 / 30 fps, 1080p @ 25 / 30 fps, 720p @ 25 / 30 fps                                                                                                                                                                                                                                          |
| AHD Inputs                                      | 5 MP (2560 x 1944) @ 20 fps, 4 MP (2560 x 1440) @ 25 / 30 fps, 1080p @ 25 / 30 fps, 720p @ 25 / 30 fps                                                                                                                                                                                                                                                                                                     |
| HD-CVI Inputs                                   | 3K (2880 x 1620) @ 25 / 20 fps, 5MP (2592 x 1944) @ 20 fps, 4 MP (2560 x 1440) @ 25 / 30 fps, 1080p @ 25 / 30 fps, 720p @ 25 / 30 fps                                                                                                                                                                                                                                                                      |
| CVBS Inputs                                     | PAL/NTSC                                                                                                                                                                                                                                                                                                                                                                                                   |
| HDMI Output                                     | 1 ch, 1920 x 1080 / 60 Hz, 1280 x 1024 / 60 Hz, 1280 x 720 / 60 Hz, HDMI / VGA simultaneous output                                                                                                                                                                                                                                                                                                         |
| VGA Output                                      | 1 ch, 1920 x 1080 / 60 Hz, 1280 x 1024 / 60 Hz, 1280 x 720 / 60 Hz, HDMI / VGA simultaneous output                                                                                                                                                                                                                                                                                                         |
| CVBS Output                                     | 1 ch, BNC (1.0 Vp-p, 75 Ω),<br>Resolution: PAL: 704 x 576, NTSC: 704 x 480                                                                                                                                                                                                                                                                                                                                 |
| Audio Inputs                                    | 1 ch (up to 8 chs is optional), RCA (2.0 Vp-p, 1 KΩ)<br>8 chs via coaxial cable<br>Note: The number of audio inputs and alarm in/out can be optional. The tag on the package will describe audio input and alarm in/out parameters. For example, "4A+8/4ALM" means your device has 4 audio inputs, 8 alarm inputs and 4 alarm outputs. If your device only has 1 audio input, the tag may not describe it. |
| 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                            | 8 chs                                                                                                                                                                                                                                                                                                                                                                                                      |

| <b>Recording</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression          | H.264 / H.264+ / H.265 / H.265 Pro / H.265 Pro+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Encoding Resolutions       | <p>When 1080p Lite mode is not enabled:<br/>3K lite / 5 MP lite / 4 MP lite / 1080p / 720p / VGA / WD1 / 4CIF / CIF</p> <p>When 1080p Lite mode is enabled:<br/>3K lite / 5 MP lite / 4 MP lite / 1080p lite / 720p lite / VGA / WD1 / 4CIF / CIF</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Frame Rates                | <p>Main stream:<br/>When 1080p Lite mode not enabled:<br/>- For 3K stream access: 3K lite @ 12 fps; 4 MP lite / 1080p @ 15 fps; 720p / WD1 / 4CIF / VGA / CIF @ 20 fps<br/>- For 5 MP stream access: 5 MP lite @ 12 fps; 4 MP lite / 1080p @ 15 fps; 720p / WD1 / 4CIF / VGA / CIF @ 20 fps<br/>- For 4 MP stream access: 4 MP lite / 1080p @ 15 fps; 720p / WD1 / 4CIF / VGA / CIF @ 25 fps (P) / 30 fps (N)<br/>- For 1080p stream access: 1080p / 720p @ 15 fps; VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N)<br/>- For 720p stream access: 720p / VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N)<br/>When 1080p Lite mode enabled:<br/>- 3K lite / 5 MP lite @ 12 fps; 4 MP lite @ 15 fps; 1080p lite / 720p lite / VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N)<br/>Sub-stream:<br/>- WD1 / 4CIF @ 12 fps; CIF @ 25 fps (P) / 30 fps (N)</p> |
| Video Bitrates             | 32 Kbps to 6 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Dual-stream                | Supports main stream or sub stream                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Stream Type                | Video, Video & Audio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Audio Compression          | G.711u                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Audio Bitrate              | 64 Kbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Network</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Remote Connection          | 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Total Bandwidth            | 96 Mbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Network Protocol           | TCP/IP, PPPoE, DHCP, LTS Connect, DNS, DDNS, NTP, 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Auxiliary Interface</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Serial Interface           | RS-485 (half-duplex)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SATA                       | 1 Sx ATA interface, up to 10 TB capacity for each disk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Alarm In/Out               | N/A (optional to Supports)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| USB Interface              | <p>Front panel: 1 × USB 2.0</p> <p>Rear panel: 1 × USB 2.0</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>General</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Power Supply               | 12 V DC, 1.5 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Consumption                | ≤ 18 W (without HDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Operating Temperature      | 14° to 131° F (-10° to 55° C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Operating Humidity         | 10% to 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dimensions (W × D × H)     | 12.6 × 9.3 × 1.9 inch (319 × 236 × 48 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Weight                     | ≤ 3.9 lb (1.78 kg) (without HDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Dimensions



scale/1:1;Unit/mm

