LTD8316D-ET

16-Channel DVR with 1080p, H.265, MD 2.0, & Direct Search





- 16 channels, 2 HDD, 1U, MD 2.0
- Supports 4 chs. Facial Recognition or 8-ch advanced VCA functionality based on Deep Learning algorithm
- Supports HD-TVI Two-Way Audio technology
- Efficient H.265 pro+ compression technology
- Encoding ability up to 3K / 5 MP Lite @ 12 fps
- Up to 24 channels IP camera inputs, each channel up to 6MP
- Up to 24 x 1080p @ 30 fps decoding ability
- 5 input signal options (HD-TVI / AHD / CVI / CVBS / IP) (self-adaptive)
- Supports Motion Detection technology on all channels

Functions

Compression and Recording

- H.265 Pro+ can be enabled to improve encoding efficiency and reduce data storage costs
- Recording at up to 3K /5 MP Lite resolution

Smart Functions

- Up to 16 channels (analog) Motion Detection 2.0
- Up to 8 channels (advanced model, analog channel) VCA
- Up to 4 channels (advanced model, analog channel) of human face recognition
- Supports smart playback to enhance playback efficiency

Network & Ethernet Access

- Supports LTS Connect & DDNS (Dynamic Domain Name System)
- Output bandwidth limit configurable

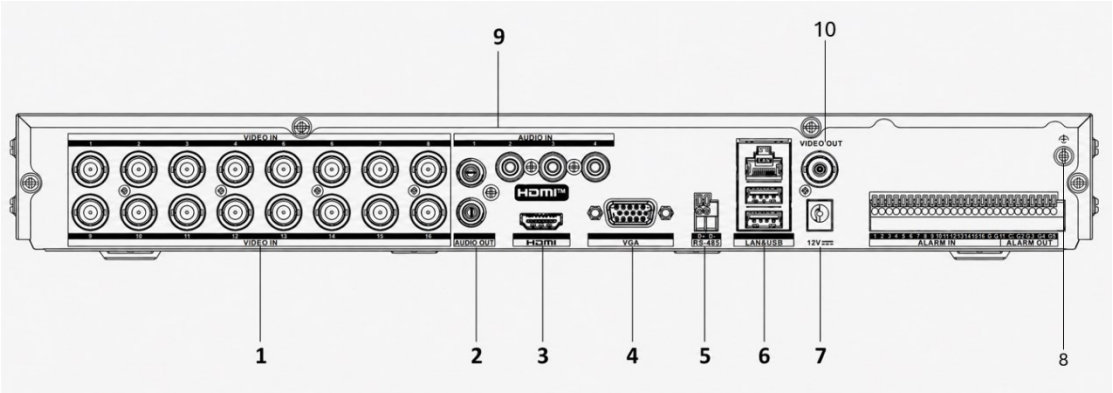
Specifications

Facial Recognition	
Face Image Library	Up to 16 face image libraries HDD damage will not cause data loss in the face image library because the library has been backed up by both HDD and flash memory
Face Image Comparison	4 chs. face image comparison alarm (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 Direct search by object or event type is supported
VCA	
Human / Vehicle Analysis	Up to 8 chs. (advanced model)
Facial Detection	
Facial Detection and Capture	Face image detection, face image search 4 chs. face image capture
Recording	
Video Compression	H.265 Pro+ / H.265 Pro / H.265 / H.264 + /H.264
Encoding Resolution	When 1080p Lite mode is not enabled: 3K lite / 5 MP lite / 4 MP lite / 1080p / 720p / VGA / WD1 / 4CIF / CIF When 1080p Lite mode is enabled: 3K lite / 5 MP lite / 4 MP lite / 1080p lite / 720p lite / VGA / WD1 / 4CIF / CIF
Frame Rate	Main stream: When 1080p Lite mode not enabled: For 3K stream access: 3K lite @ 12 fps; 4 MP lite @ 15 fps / 1080p Lite @ 20 fps; 720p / WD1 / 4CIF / VGA / CIF @ 20 fps For 5 MP stream access: 5 MP lite @ 12 fps; 4 MP lite @ 15 fps / 1080p Lite @ 20 fps; 720p / WD1 / 4CIF / VGA / CIF @ 20 fps For 4 MP stream access: 4 MP lite @ 15 fps / 1080p Lite @ 25 fps (P) / 30 fps (N); 720p / WD1 / 4CIF / VGA / CIF @ 25 fps (P) / 30 fps (N) For 1080p stream access: 1080p / 720p @ 15 fps; VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N) For 720p stream access: 720p / VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N) When 1080p Lite mode enabled: 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) Sub-stream: WD1 / 4CIF @ 12 fps; CIF @ 25 fps (P) / 30 fps (N)
Video Bitrate	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
Video and Audio	
IP Video Input	8 chs. (up to 24 chs.), each up to 6MP Support H.265+ / H.265 / H.264+ / H.264 IP cameras

Analog Video Input	16 chs. BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDMI Output	1 chs., 4K (3840 × 2160) / 30 Hz, 2K (2560 × 1440) /60Hz, 1920 × 1080 / 60Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz
CVBS Input	PAL / NTSC
CVBS Output	1 ch, BNC (1.0 Vp-p, 75 Ω), Resolution: PAL: 704 × 576, NTSC: 704 × 480
Synchronous Playback	16 chs.
HD-TVI Input	3K(2960 x 1665)@25/20fps, 3K(3328x1504)@20fps,2K(2304x1296)@20fps,5 MP(2560 × 1944)@20 fps, 4 MP(2560 × 1440)@25/30fps,1080P@25/30 fps, 720P@25/30fps
VGA Output	1 ch, 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz
AHD Input	5 MP (2560 × 1944) @ 20 fps, 4 MP (2560 × 1440) @ 30 fps, 4 MP (2560 × 1440) @ 25 fps, 1080p @ 30 fps, 1080p @ 25 fps, 720p @ 30 fps, 720p @ 25 fps
HDCVI Input	3K(2880×1620)@20/25 fps, 5MP(2592 × 1944)@20 fps, 4MP(2560 × 1440)@25/30 fps,1080P@25/30 fps, 720P@25/30 fps
Video Output Mode	HDMI/VGA simultaneous output
Audio Output	1 ch., RCA (Linear, 1 KΩ)
Audio Input	4 ch., RCA (2.0 Vp-p, 1 KΩ), 16-ch via coaxial cable
Two-Way Audio	1 ch., RCA (2.0 Vp-p, 1 KΩ) (using the first audio input)
Decoding	
Decoding Capability	up to 24-ch 1080p @ 30 fps
Network	
Total Bandwidth	256 Mbps
Network Protocol	TCP/IP, PPPoE, DHCP, LTS Connect, DNS, DDNS, NTP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, ISUP
Remote Connection	128
Network Interface	1 x RJ45 10/100/1000 Mbps self-adaptive Ethernet interface
Auxiliary Interface	
HDD Connections	2 x SATA interface, up to 12 TB capacity for each disk
Serial Interface	RS-485 (half-duplex)
USB Interface	Front panel: 1 × USB 2.0; Rear panel: 2 × USB 3.0
Alarm In / Out	16 / 4
General	
Power Supply	12 VDC, 3.3 A
Consumption	≤ 40 W
Operating Temperature	14° to 131° F (-10° to 55° C)
Operating Humidity	10% to 90%
Dimension (W × D × H)	15.2 × 12.4 × 2.0 inches (385 × 315 × 52 mm)
Weight	≤ 4.4 lb (2 kg)

Physical Interface

No.	Description	No.	Description
1	Video in	6	LAN network interface and USB interface
2	Audio out	7	12 VDC power input
3	HDMI interface	8	GND
4	VGA interface	9	Audio in
5	RS-485 interface	10	Video out



Dimensions

