

LTD8304D-ET

Platinum Plus 4-Channel 1080p DVR with Direct Search & MD 2.0



- 4 channels, single HDD 1U MD 2.0 DVR
- 1 channel of facial recognition or 2 chs. of advanced VCAs based on Deep Learning algorithm
- Supports 2 chs. of Direct Search Technology
- Efficient H.265 Pro+ compression technology
- Encoding capability up to 3K / 5MP Lite @ 12 fps
- 5 signal options for input (HD-TVI / AHD / CVI / CVBS / IP)(self-adaptive)
- Up to 6 channels of network cameras can be connected
- Supports Motion Detection Technology on all channels
- Supports HD-TVI Two-Way Audio Technology on all channels

Functions

Smart Functions

- Deep learning based human and vehicle target classification -- Motion Detection 2.0
- Deep learning-based VCAs

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

Storage and Playback

- 1 x SATA interface (up to 10 TB capacity)
- Smart search for efficient playback

Network & Ethernet Access

- Compatible with major Wi-Fi dongle products in the market
- LTS Connect & DDNS for easy network management

Specifications

Facial Recognition	
Face Image Comparison	Face image comparison, face image search (1 ch of face picture comparison alarm for HD analog cameras)
Face Image Library	Up to 16 face image libraries
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 humans and vehicles, and vastly reduce false alarms caused by objects like leaves and lights. Quick search by object or event type is supported;
VCAs	
Human / Vehicle Analysis	Up to 2 ch
Audio and Video	
IP Video Inputs	1 ch (up to 5 chs) With Enhanced IP Mode on: 2 chs (up to 6 chs), Up to 6 MP resolution
Analog Video Inputs	4 chs BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HD-TVI Inputs	3K (2960 × 1665) @ 25/20 fps, 3K (3328 × 1504) @ 20 fps, 5 MP (2560 × 1944) @ 20 fps, 4 MP (2560 × 1440) @ 25/30 fps, 1080p @ 25/30 fps, 720p @ 25/30 fps
AHD Inputs	5 MP (2560 × 1944) @ 20 fps, 4 MP (2560 × 1440) @ 25/30 fps, 1080p @ 25/30 fps, 720p @ 25/30 fps
HDCVI Inputs	3K (2880 × 1620) @ 25/20 fps, 5 MP (2592 × 1944) @ 20 fps, 4 MP (2560 × 1440) @ 25/30 fps, 1080p @ 25/30 fps, 720p @ 25/30 fps
CVBS Inputs	PAL / NTSC
CVBS Output	1 ch, BNC (1.0 Vp-p, 75 Ω), Resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI Output	1 ch, 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, HDMI / VGA simultaneous output
VGA Output	1 ch, 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, HDMI / VGA simultaneous output
Audio Inputs	1 ch (up to 4 chs is optional), RCA (2.0 Vp-p, 1 KΩ) 4 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 chs
Recording	
Video Compression	H.264 / H.264+ / H.265 / H.265 Pro / H.265 Pro+
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 Rates	Main stream: When 1080p Lite mode not enabled: For 3K stream access: 3K lite @ 12 fps; 4 MP lite / 1080p @ 15 fps; 720p / WD1 / 4CIF / VGA / CIF @ 20 fps For 5 MP stream access: 5 MP lite @ 12 fps; 4 MP lite / 1080p @ 15 fps; 720p / WD1 / 4CIF / VGA / CIF @ 20 fps For 4 MP stream access: 4 MP lite / 1080p @ 15 fps; 720p / WD1 / 4CIF / VGA / CIF @ 25 fps (P) / 30fps (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
Network	
Remote Connection	32
Total Bandwidth	72 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
Auxiliary Interface	
SATA	1 x SATA interface, up to 10 TB capacity for each disk
Serial Interface	RS-485 (half-duplex)
USB Interface	Front panel: 1 x USB 2.0 Rear panel: 1 x USB 2.0
Alarm In / Out	N/A (optional to support)
General	
Power Supply	12 V DC, 1.5 A
Consumption	≤ 18 W
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	≤ 2.6 lb (1.16 kg)

Dimensions



