



HD Analog 16 Channel DVR BD16DVR1U



- 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

Feature	Details
Motion Detection 2.0	
Human/Vehicle Analysis	<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>
Perimeter Protection	
Human/Vehicle Analysis	Up to 4 channels
Recording	
Video Compressions	H.265 Pro+ / H.265 Pro / H.265 / H.264+ / H.264
Encoding Resolution	<p>Main stream with 1080p Lite mode disabled:</p> <ul style="list-style-type: none"> - 4 MP stream access: 4 MP Lite @ 15 fps; 1080p Lite / 720p / WD1 / 4CIF / VGA / CIF @ 25 fps (P) / 30 fps (N) - 3 MP stream access: 3 MP / 1080p / 720p / VGA / WD1 / 4CIF / CIF @ 15 fps - For 1080p stream access: 1080p / 720p @ 15 fps; VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N) - 720p stream access: 720p / VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N) <p>When 1080p Lite mode enabled:</p> <ul style="list-style-type: none"> - 4 MP Lite / 3 MP @ 15 fps - 1080p Lite / 720p Lite / VGA / WD1 / 4CIF / CIF @ 25 fps (P) / 30 fps (N) <p>Sub-stream: WD1 / 4CIF @ 12 fps; CIF @ 25 fps (P) / 30 fps (N)</p>
Video Bitrate	32 Kbps to 6 Mbps
Dual Stream	Supported
Stream Type	Video, Video & Audio
Audio Compression	G.711 u
Audio Bitrate	64 Kbps

Video and Audio	
IP Video Input	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 Total bandwidth: 128 Mbps
Analog Video Input	16 channels BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection
HDTV Input	3 & 4 MP, 1080p @ 30 fps, 1080p @ 25 fps, 720p @ 60 fps, 720p @ 50 fps, 720p @ 30 fps, 720p @ 25 fps *The 3 MP signal input is only available for channels 1/2/3/4 of LTD8316M-ET.
AHD Input	4 MP, 1080p @ 25 fps, 1080p @ 30 fps, 720p @ 25 fps, 720p @ 30 fps
HDCVI Input	4 MP, 1080p @ 25 fps, 1080p @ 30 fps, 720p @ 25 fps, 720p @ 30 fps
CVBS Input	PAL/NTSC
CVBS Output	1 channel, BNC (1.0 Vp-p, 75 Ω) Resolution: PAL: 704 × 576, NTSC: 704 × 480
HDMI/VGA Output	1 channel, 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) 16 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	16 ch
Network	
Remote Connections	128
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, up to 10 TB storage capacity for each disk
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, 3.3 A
Consumption (without HDD)	≤ 40 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)	≤ 4.4 lbs (2 kg)
Notes	<p>1. Motion detection 2.0 & perimeter protection cannot be enabled at the same time. Enabling one function will make the other unavailable.</p> <p>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.</p>

Physical Interface	
1	Video In
2	USB Interface
3	Video Out
4	HDMI Interface
5	VGA Interface
6	Audio Out, RCA Connector
7	Audio In, RCA Connector
8	LAN Network Interface
9	RS-485 Serial Interface
10	12 VDC Power Input
11	GND

