

# All in One 4 CH 4K DVR + 2 All in One Dome + 2 All in One Bullet 8MPX Cameras



## MODEL: LX448EN



## Features and Functions

### Video Input and Transmission

Self-adaptive HDTV/HDCVI/AHD/CVBS signal input  
Up to 2-ch 8 MP IP cameras input  
8 MP HDTV video input and live view  
Defogging function enabled for the supported analog cameras  
Long distance transmission over UTP and coaxial cable: max. 800m for 1080p and 1200m for 720p HDTV signal

### Compression and Recording

H.265+/H.265/H.264+/H.264 encoding for the main stream, and H.265/H.264 for the sub-stream of analog cameras  
Connectable to H.265+/H.265/H.264+/H.264 IP cameras  
H.265+ can be enabled to improve encoding efficiency and reduce data storage costs  
Full channel recording at up to 8 MP resolution

### Video Output

Simultaneous HDMI/VGA output  
HDMI output at up to 4K (3840 × 2160) resolution  
Separate CVBS output

## Storage and Playback

1 SATA interface (up to 8 TB capacity per HDD)  
4-ch synchronous playback  
Smart search for efficient playback  
Supports the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

### Smart Function

Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras  
Supports line crossing detection and intrusion detection of all channels, and 2-ch sudden scene change detection  
VCA information overlay in live view and smart playback

### Network & Ethernet Access

Free app & DDNS (Dynamic Domain Name System) for easy network management  
1 RJ45 10M/100M/1000M self-adaptive Ethernet interface  
Output bandwidth limit configurable

## Specifications

### Video/Audio input

Video compression	H.265+/H.265/H.264+/H.264
Analog video input	4-ch, BNC (supports coaxitron connection)
HDTVI input	8 MP, 5 MP, 4 MP, 3 MP, 1080p30, 720p60
AHD input	1080p30, 720p30
HDCVI input	1080p30, 720p30
CVBS input	PAL/NTSC
IP video input	2-ch, Up to 8 MP resolution
Audio input	4-ch, RCA

### Video/Audio output

CVBS output	1-ch BNC, PAL: 704 × 576, NTSC: 704 × 480
HDMI/VGA output	HDMI: 1-ch, Up to 4K (3840 × 2160) VGA: 1-ch, Up to 1920 × 1080/60Hz
Encoding resolution	8 MP/5 MP/4 MP/3 MP/1080p/720p/WD1/4CIF/VGA/CIF
Frame rate	Main stream: 8 MP@10fps, 5 MP@20fps, 4 MP@18fps, 3 MP@1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) Sub-stream: WD1/4CIF/CIF@25fps (PAL)/30fps (NTSC)
Video bit rate	32 Kbps to 16 Mbps
Audio output	1-ch, RCA
Audio bit rate	64 Kbps
Dual stream	Support
Stream type	Video, Video & Audio
Synchronous playback	4-ch

### Network management

Remote connections	128
Network protocols	TCP/IP, PPPoE, DHCP, Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF

### Hard disk

SATA	1 SATA interface
Capacity	Up to 8 TB capacity for each disk

### External interface

Two-way audio input	1-ch, RCA
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
USB interface	Front panel: 1 × USB 2.0 // Rear panel: 1 × USB 3.0
Serial interface	RS-485 (half-duplex)
Alarm in/out	4/1
Power Consumption	12V DC // 1,25 Amp (without HDD)

## Specifications

### Camera Dome

Image Sensor	8.29 megapixel progressive scan CMOS
Signal System	PAL/NTSC
TVI	8MP@15fps, 5MP@20fps, 4MP@30fps, 2MP@30fps
CVI	8MP@15fps
AHD	5MP@20fps
CVBS	960H P/N
Resolution	3840 (H) × 2160 (V)
Lens	2.8 mm fixed lens
Horizontal Field of View	102.2° (2.8 mm)
Day & Night	IR cut filter (Range up to 30 m)

### Menu

AGC, BLC, White Balance	Yes
Language	English
Functions	Brightness, Sharpness, DNR, Mirror, Smart IR

### Interface

Video Output	1 HD analog output
Switch Button	TVI/AHD/CVI/CVBS

### General

Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F), humidity: 90% or less (non-condensation)
Power Consumption	12V DC Max. 0.5 A
Protection Level	IP67
Material	Metal
Communication	Up the coax (UTC control)

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**FREE APP**  
**GUARDING VISION**  
REMOTE VIEW

