

# LSX8CH-4K

## 8 Channel Penta-brid 4K 1U Digital Video Recorder

### System Overview

LSX8CH-4K is the next generation XVR offering HD analog camera resolution abilities up to 5MP. The XVR supports penta-brid access technology so cameras with formats like HDCVI, AHD, TVI, CVBS and IP can easily integrate with this XVR. To add even more value the 8 channel XVR will allow for 4 additional channels to be used for IP cameras. So, 12 channels total 8 coaxial input and 4 that can be added from existing network.

Great cost effective design is perfect for applications like residential and light commercial applications.

### Features

- H.265+/H.265/H.264+/H.264
- Support HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 12 channels IP camera inputs, each channel up to 8MP (Note max bandwidth)
- Max 48Mbps Incoming Bandwidth
- Smart Search and Intelligent Video System



### Functions

Smart Codec, H.265+ can reduce up to 90% bit rate and storage requirements without having to invest in new cameras.

The XVR can auto recognize the signal of a camera without any setting. So, HD analog formats like CVI/AHD/TVI/CVBS can be added automatically.

The XVR will support up to 8MP HD resolution (3840x2160) IPC input for recording and live viewing.

With built-in intelligent video analytics, the XVR has the ability to detect and analyze moving objects for improved video surveillance. The XVR provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed.

Face detection is a type of technology that allows a variety of applications to search or identify individuals.

Smart Search feature helps you get more motion detect video during a short time through drawing a region when playback.

The HDCVI system supports long distance transmission. Up to 700meters for 4K/4MP, up to 800meters for 1080p. Supports coax audio.

# Specifications

## System

Main Processor	Embedded processor
Operating System	Embedded LINUX

## Display

Interface	1 HDMI, 1 VGA
Resolution	HDMI: 3840x2160, 2560x1440, 1920x1080, 1280x1024, 1280x720 VGA: 1920x1080, 1280x1024, 1280x720
Multi-screen Display	When IP extension mode not enabled: 1/4/8/9 When IP extension mode enabled: 1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

## Video Detection and Alarm

Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones:396 (22x18), Video Loss and Tampering and Diagnosis
Alarm Input	N/A
Relay Output	N/A

## Playback and Backup

Playback	1/4/9
Search Mode	Time/Date, Alarm, MD and exact Search (accurate to second), Smart search
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

## Storage

Internal HDD	1 SATA Port, Up to 10TB capacity
eSATA	N/A

## Auxiliary Interface

USB	2 USB Ports (1 USB 2.0, 1 USB 3.0)
RS232	N/A
RS485	1 Port, for PTZ Control

## Audio and Video

Analog Camera Input	8 Channel , BNC
HDCVI Camera	4K, 6MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
AHD Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
TVI Camera	5MP, 4MP, 3MP, 1080P@25/30, 720P@25/30fps
CVBS Camera	PAL/NTSC
IP Camera Input	8+4 Channel, each channel up to 8MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuse audio in/out, RCA

## Recording

Compression	H.265+/H.265/H.264+/H.264
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Resolution	4K, 6MP, 5MP, 4MP, 3MP, 4M-N, 1080P, 720P, 960H, D1, CIF
Record Rate	Main stream: 4K(1~7fps); 6MP(1~10fps); 5MP(1~12fps); 4MP/3MP(1~15fps); 4M-N/1080P/720P/960H/D1/CIF(1~25/30fps) Sub stream:960H(1~15fps); D1/CIF(1~25/30fps)
Bit Rate	32Kbps ~ 6144Kbps Per Channel
Record Mode	Manual, Schedule, (General, Continuous), MD (Video Detection, Motion Detection, Tampering, Video Loss), Alarm, Stop
Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record 10~ 300 sec
Audio Compression	AAC (only for the 1st channel), G.711A, G.711U, PCM
Audio Sample Rate	8KHz, 16 bit Per Channel
Audio Bit Rate	64Kbps Per Channel

## Network

Interface	1 RJ-45 Port (1000M)
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, P2P, IP Search
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 16.12, CGI Conformant

## Electrical

Power Supply	DC12V/2A
Power Consumption	<10W (Without HDD)

## Environmental

Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 10~90% RH
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

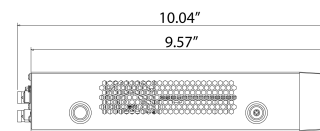
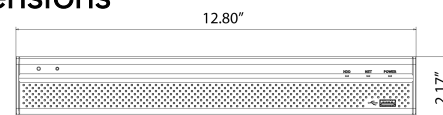
## Construction

Dimensions	Compact 1U, 325mm x 255mm x 55mm (12.8" x 10.04" x 2.17")
Net Weight	1.2kg (2.65 lb.) (without HDD)
Gross Weight	1.9kg (4.18 lb.)

## Certifications/Drivers

Certifications	CE, FCC, UL
Drivers/Profiles	

## Dimensions



ZM072418 Design and specifications are subject to change without notice