

LSX16CH

16 Channel Penta-brid 1080p 1U Digital Video Recorder

System Overview

LSX16CH is a perfect solution for upgrading existing systems or flexibility with new installations. 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 16 channel XVR will allow for 8 additional channels to be used for IP cameras. So, 24 channels total 16 coaxial input and 8 that can be added from existing network.

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

Features

- H.264+/H.264 dual-stream video compression
- Support HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 24ch. IP camera inputs, each channel up to 5MP
- Max 96Mbps Incoming Bandwidth
- Smart Search and Intelligent Video System



Functions

Smart Codec, H.264+ can reduce up to 70% 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 5MP HD resolution (2560x1920) IPC input for recording and live viewing.

Spot Output is made for a secondary monitor. This allows you to view one special monitor that is assigned to select cameras that are higher priority viewing areas.

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.

Specifications

System

Main Processor	Embedded processor
Operating System	Embedded LINUX

Display

Interface	1 HDMI, 1 VGA SPOT (configurable)
Resolution	1920x1080, 1280x1024, 1280x720, 1024x768
Multi-screen Display	16CH: 1/4/8/9/16/25
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	16ch: 1/4/9/16
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	2 SATA Port, Up to 8TB capacity each disk
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

HD Camera Input	16 Channel
IP Camera Input	16+8, each channel up to 5MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuse audio in/out, RCA

Recording

Compression	H.264+/H.264
Resolution	1080P/1080N/720p/960H,D1,HD1,BCIF,CIF, QCIF
Record Rate	Main stream: 1080P(1~15fps) 1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF (1~25/30fps) Sub stream:D1/CIF/QCIF(1~15fps)
Bit Rate	1Kbps ~ 6144Kbps Per Channel
Record Mode	Manual, Schedule, (Regular, Continuous), MD (Video Detection, Motion Detection, Tampering, Video Loss), Stop
Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record 10~ 300 sec

Network

Interface	1 RJ-45 Port (1G)
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, IP Search (Support ZUUM IP camera, DVR, NVS, etc.), Easy4ip
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.42, CGI Conformant

Electrical

Power Supply	DC12V/4A
Power Consumption	<15W (Without HDD)

Environmental

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

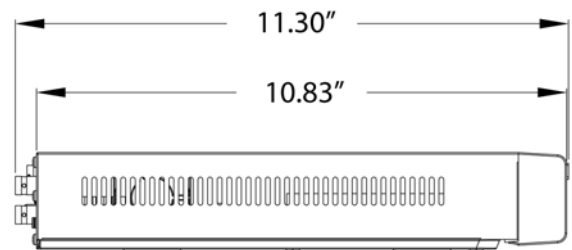
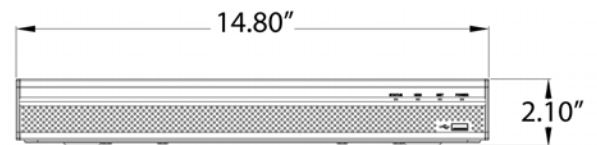
Construction

Dimensions	1U, 375mm x 287mm x 53mm (14.8" x 11.3" x 2.1")
Net Weight	2.35kg (5.2 lb.) (without HDD)
Gross Weight	3.2kg (7.05 lb.) (without HDD)

Certifications/Drivers

Certifications	CE, FCC, UL
Drivers/Profiles	

Dimensions



ZM061818 Design and specifications are subject to change without notice