NVR5832

32 CH 4K 2U 19"Rackmount Standalone Network Video Recorder

Linux embedded

Event respond

Onvif S

4K Ultra HD

- ▸ 32 Channel H.264 network camera Input
- ▸ Up to 4K H.264 network camera support
- ▸ Up to 1080P 120 FPS network camera support
- ▸ Ethernet failure redundancy or sharing supported
- ▸ Up to 8TB HDD supported
- ▸ External e-SATA storage supported
- ▸ HDMI 2.0 (4K 60P) / VGA 1080P output
- ▸ HDMI / VGA main or spot monitor switch
- ▸ Mobile phone (iOS, Android) solutions provided
- ▸ Network input through up to 300Mbps
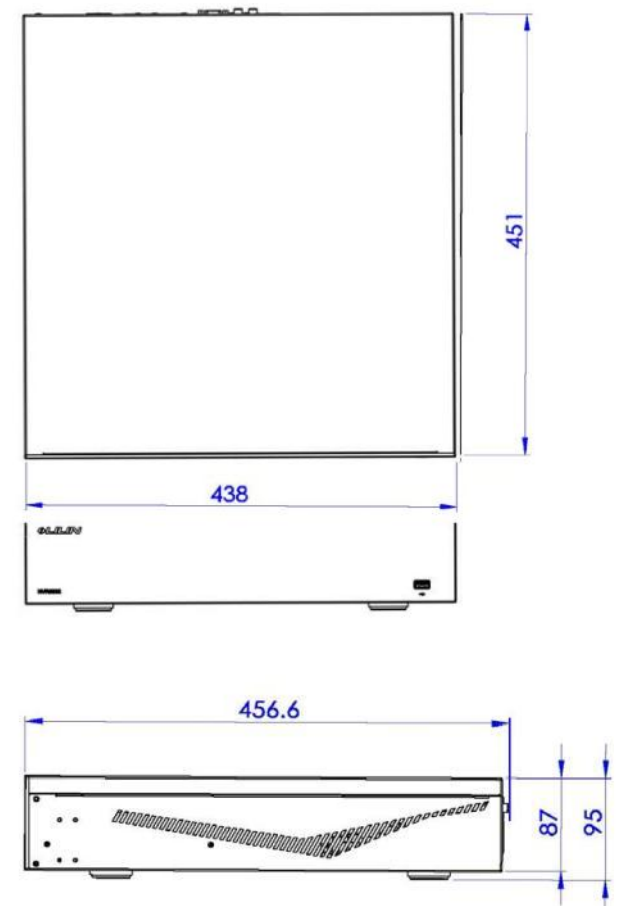- ▸ Chrome, Edge, Firefox, IE, Opera, Safari supported

The NVR5832 standalone NVR is new generation of LILIN professional NVR series. The NVR5832 supports Ultra HD (4K) video recording of up to 32 channels. The Ultra High Definition (4K or 8Megapixels) is four times clearer then 1080p, the additional pixel allows you to see more details that cared, NVR5832 supports network redundancy, able to prevent losing videos in case of a switch failure. Along with its low power consumption and all-in-one sleek design, the NVR5832 provides users a simple, affordable yet professional solution for megapixel surveillance in the mainstream markets such as SMBs, retail, hospitality, and intelligent buildings.

LILIN NVR5832 is a 32-Channel IP standalone Network Video Recorder offering 32TB external storage for recording. Mouse, LILIN twist zoom keyboard or IR remote control, easy to navigate menus are provided. Motion detection, weighted and scheduled recording. Audio recording and playback, WS discovery for easy network discovery. NVR5832 supports USB, network backup, and HDMI output. Full NAV support, web-based remote viewing and configuration and iOS / Android support. The NVR5832 is unique, uniform user interface (local and web) takes advantage of short learning curve, and hierarchical based menus, avoid seeking needed menu.

Dimensions: (unit: mm)

Adapted to ONVIF-compliant IP cameras

NVR5832 is an easy-to-install Linux based standalone HD solution can record ONVIF compatible cameras

Plug-n-play Device

An automated installation wizard, *IPScan* and *WS Discovery*, locates all the cameras on the network and imports a preview picture of each channel to help with identification

Instant Notifications

When an event occurs and the alarm recording is enabled, an alarm icon will be shown instantly on the monitoring display unit and front panel OLED display.

Monitoring Modes

NVR5832 supports various monitoring modes – to display 1, 4, 8, 9, 13, 16, 25 and 32 channels on a single screen

PTZ (Pan-Tilt-Zoom) Control

You can adjust the PTZ (Pan-Tilt-Zoom) functions of supported cameras directly on the NVR User Interface which greatly enhancing the convenience in remote monitoring

User-friendly NVR Security System

You can effortlessly monitor and manage multiple IP cameras on a real-time basis, and also attain the very first-hand status of desired monitored cameras such as entrances, exits, car park, building gates to safeguard your property

Timeline-based Search

Operators may easily distinguish regular and alarm recording on the intuitive time line playback bar

Motion Detection

Motion detection allows NVR5832 to start recording only when any motion is detected in the defined area of a camera. Motion in the selected area will instigate an alert

Intuitive User Interfaces

LILIN NVR5832 supports wireless mouse and joystick keyboard PIH-931D for easy and intuitive user experience

High Performing

NVR5832 security system is high performing, high quality and reliable with features designed for easy operation and installation as well as superb image quality

Email Notification

LILIN NVR can send email notification with snapshot as an attachment in JPEG to one or multiple recipients in case of any event

Easily Identify Events

Search can be done from the available recorded videos on the basis of channel number, recording type and timeline of the event

32 CH 4K 2U 19"Rackmount Standalone Network Video Recorder

IP Video Input

Model	NVR5832
Supports	Network camera / ONVIF Profile S / DVR / NVR / Video encoder / Navigator
Input	32 CH
Resolution	CIF / VGA / D1 / 960H / 1M / 1.3M / 1080P / 3M / 5M / 4K
Maximum frame rate	960 FPS

Video output

Output	HDMI 2.0 (4K 60P) / VGA 1080P
Spot monitor	HDMI or VGA selectable (Spot or sync.)
Split screen	1 / 4 / 8 / 9 / 13 / 16 / 25 / 32 split division, sequence mode, freeze
Digital zoom	Up to 64X on live and playback

Recording

Network video Format	H.264
Maximum Network Throughput	300 Mbps
Recording Resolution	CIF- 4K
Frame Rates	Single channel up to 1080P 120 FPS
Recording Mode	Manual, schedule (continue, event, none)
Recording schedule	Each channel 7day × 24 hours time table, recording mode configurable
Alarm event actions	Motion grid (20×12, multi-level sensitivities) / network camera event / DI
Alarm Notification	Alarm notification iOS、android / E-Mail / FTP / buzzer / DO / OLED display

Playback

Playback Search	Alarm event / Operation event / System event / Meta data event / Time search
Playback Display	32CH synchronous playback
Playback Resolution	CIF - 4K
Max. frame rate	Up to 1080P 120 FPS
Playback Speed	Fast rewind 2×~64× / Fast forward 2×~64× / Step Forward / Slow motion 1/2 ~ 1/16

Storage

Model#	NVR5832
Internal HDD	MAX. 8 × 3.5" HDD (Up to 8TB supported)
eSATA	eSATA connector × 2 (Up to 32TB external storage supported, each 16TB)

Back up

USB Flash Disk	Up to 32 GB supported
Network Backup	Via HTTP / FTP / Network Places
DVD DVD/RW	External USB DVD/RW

Audio

Audio input	32 CH (network camera), G.711 8K
Mic. input	RCA × 1
Audio Output	RCA × 1
Network Camera Two Way Audio	Yes

Network

Network ports	RJ-45 Gigabit Ethernet × 2 (Ethernet failure redundancy or sharing supported)
Protocols	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP/ Onvif Profile S
Web	Direct internet browser access / Multiple users access
P2P	APP scan QR Code / UID connection
RTSP service	RTP UDP / RTSP TCP supported
Mobile phone	iOS and Android supported
IPScan / WS-Discovery	WS-Discovery and IP Scan, automatically quick IP address setup for network cameras

Software

VMS	Navigator
Backup / Playback	Remote Playback Manager / Backupman, multiple NVRs file download and multi-channel playback

Alarm

Ports	DI × 16 and DO × 4 (With programmable condition)

System

Reports	Alarm event, operation, configuration and system execution log full reports exporting over HTTP or USB
Authentication	User authentication with feature configurable and IP address blocking
Languages	Arabic, Chinese(Traditional), Chinese(Simplified), English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish
HDD inspection	S.M.A.R.T monitoring / File system de-fragmentation/ IO read write error
Recording day	Automatic recording day calculator
Time	Daylight saving / NTP / External USB GPS time sync / Keyboard

Accessories

PTZ protocol	HTTP / ONVIF
USB to RS-232	Record external metadata via USB to RS-232 cable, display at live and playback
Microphone	USB Mic. support (Need additional option)
Remote control	Remote controller addressable up to 255 NVRs
Mouse	Mouse click, drag and scroll
Keyboard	PIH-931D keyboard input (Connector box required)
Wi-Fi Dongle	WiFi and 4G external USB dongle supported (Certified brand only)

Others

CPU	ARM Cortex A17 Quad Core
OS	Embedded Linux Kernel 3.10
WDT	Hardware watchdog timer

Power and Working Environment

Power Supply	AC 100~240V 60~50HZ 6.3A
Operating temperature	0℃ -45℃
Operating humidity	5%-80%
Dimensions	438 × 450 × 88 mm
Weight	≈7.5 KG (Without hard drive)

Back Light Compensation

IP based PoE

Easy to install

▶ Microdome IP camera

▶ One-way audio supported

▶ 1080p resolution

▶ Audio / Motion detection alarm function

▶ Built-in highly sensitive microphone

Onvif S

Full HD 1080

Dimensions: (unit: mm)
Ø 105 x 39

Ø 105

39

Diagram of mounting holes: unit in mm

124°

R 2.5

R 45.7

20°
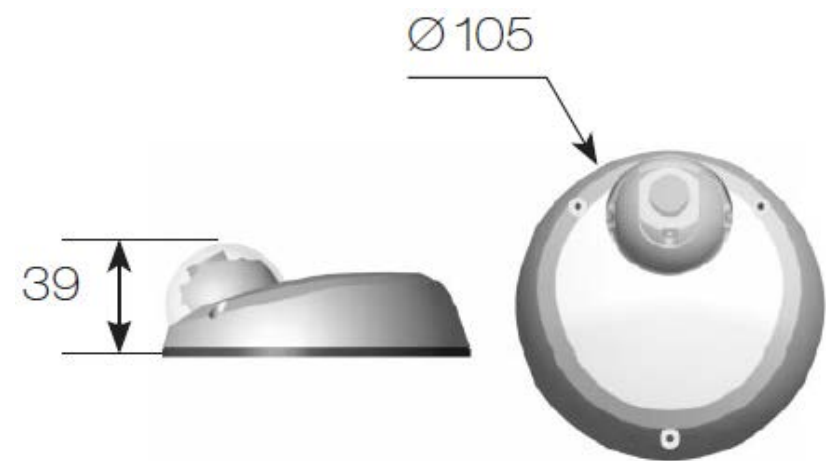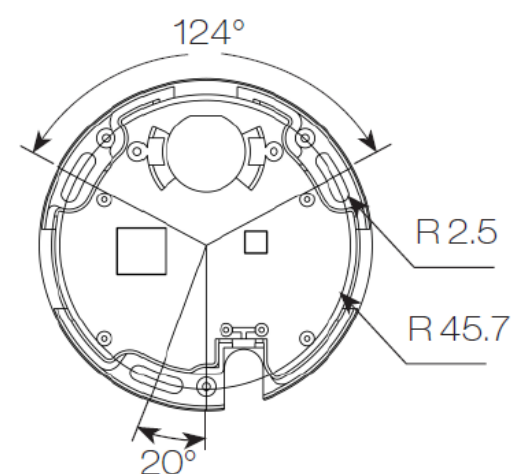
Fixed dome LD2222 in the L series is featuring built-in Sense up+ technology to deliver stunning video in low-light conditions. Utilizing intelligent image signal processing, 2D WDR function, AGC control, and 3D Noise Reduction, the combination successfully delivers the ultimate low-light image without motion blur. Support with PoE, privacy mask, White balance, and minimum illumination 0.6 Lux at F1.6 Low Light Mode or 0.8 Lux at F1.8 Low Light Mode.

Video Security App

Available on Android and iOS – **LILINViewer** app provides security alarm push notification, real-time live viewing, and remote video playback

ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. LD2222 camera is ONVIF Profile S conformant

Privacy Masking

Privacy Masking is a feature used to protect personal privacy by concealing private areas in the camera's field of view. Doorways and house windows for example are not subject to surveillance

Sense Up+

Deliver outstanding video outputs in poor light conditions without experiencing motion blur. You can see video clearly even during nighttime without sufficient lighting support

Back Light Compensation

Back Light Compensation (BLC) adjusts the exposure of the entire image to properly expose the subject in the foreground. No matter if the main object is moving toward left, right, upper, lower, or any location in the screen, BLC provides perfect exposure for an object in front of strong back light
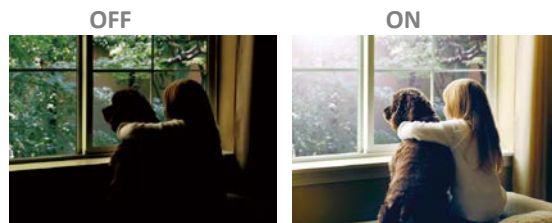
Motion Detection

Detect motion and capture the event. Motion in the selected area will provoke an alert.
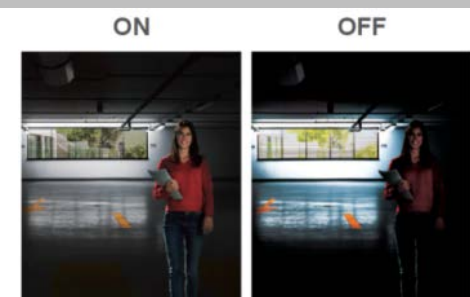
3D Noise Reduction

Remove noise from a signal. Suppressing noise in an image in low light conditions and able to retain quality videos at the same time

Wide Dynamic Range (WDR)

Wide Dynamic Range (WDR) displays details of both the brightest and darkest areas. WDR can extend image visibility under high contrast lighting scenes and improve image quality

1080P HD Microdome IP Camera

Video performance

Model#	LD2222E2	LD2222E4
Low Light Mode (Color)	0.8 Lux at F1.8	0.6 Lux at F1.6
2D WDR	Off / Auto / x2 / x3 / x4	

Power

Power consumption	DC12V, 4.5W / PoE, 5W
PoE	IEEE 802.3af
Power supply	DC12V ±10%
	Power over Ethernet (IEEE 802.3af compliant)

Sensor

Sensor type	1/2.7" CMOS image sensor
Total sensor pixels	1920 (H) x 1080 (V) = 2,073,600 pixels

Lens

Model#	LD2222E2	LD2222E4
Focal length	2.8mm	4mm
Iris	F1.8	F1.6
Angle of View	H	114°	84.8°
	V	64°	45.2°
	D	134°	100.6°

Environmental

Operating temperature	-25°C - +50°C (-13°F -122°F)

PC requirement

CPU	Intel Pentium 4 1.8GHz or above
OS	Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8
RAM	1GB or above, Independent Display Card

Mechanical

Dimensions	Ø 105 x 39mm
Weight	250g approx.

Certifications

CE	**Emission** EN 55022:2010 Class A IEC 61000-3-2:2014 IEC 61000-3-3:2013
FCC	**Emission** FCC Part 15: Subpart B (10-1-10 Edition) Class A CISPR 22: 2008 Class A

Video streaming

Video compression	H.264 , Motion JPEG
Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast Multiple configurable streams in H.264 and M-JPEG, configurable frame rate and bandwidth
Bitrate	128Kbps - 8Mbps Frame rate and bitrate controllable on-the-fly VBR / CBR / GOP supported
IP address filter	Yes
RTSP Authentication	On / Off

Video resolution (H x V)

1080p HD	1920 x 1080
720p HD	1280 x 720
D1	720 x 480
CIF	352 x 240
Maximum frame rate	H.264 : up to 15 fps @ 1920 x 1080 , 30fps @ 1280 x 720 , 30fps @ 720 x 480 Motion JPEG : up to 15 fps @ 1920 x 1080 , 30 fps @ 720 x 480 , 30 fps @ 352 x 240

Video functions

Scanning system	Progressive scan
Chip size	5.856mm (H) x 3.276mm (V)
Adjustable picture setting	Contrast, Brightness, Saturation
White balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Shutter	1/30(1/25)s to 1/8000s
Back light compensation	On / Off
3D noise reduction	Off / 1 to 32 selectable
Privacy masking	Four independent areas
Sense Up	Off / 1 frame / 2 frames / 3 frames / 7 frames
Sense Up+	Yes
Auto gain control	36 dB variable gain
Other functions	Sharpness, Image flip, Image mirror, Hue
D/N quality setting	Yes

Integration

Mobile application	Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support
Video management	ONVIF Profile S LILIN NAV 1.0 Third party VMS through LILIN HTTP API
Web browser	Microsoft® Internet Explorer® 6.0 and later
Firmware	Firmware upgrade via HTTP
Alarm event triggers	Motion /audio detection triggering recording into SD card Image upload over FTP and E-mail by audio / motion detection
Alarm event actions	FTP, SMTP, HTTP post, SD card, SAMBA
Alarm weighted mode	Yes

Network

Ethernet	10Mbps / 100Mbps Base-T, RJ-45
Connectivity	ONVIF Profile S
Users	8 simultaneous users
Digital zoom	Yes
OSD	Text overlay for date, time and camera name
CPU, Memory	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory
Video display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 2.6.32
Protocols	IP, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour
Multi IP address	Yes

Network security

User accounts	10 user accounts available
Access	Multiple user access levels with password protection
Encryption	Base 64 HTTP encryption

FD2452 / FD2452V

Day & Night 360° Panorama Dome HD IP Camera

SD card recording

IP54 │ IK8

Easy to install

2-way audio

Day / Night

IP based
PoE

▸ Panoramic IP camera

▸ 360° / 180° view

▸ ePTZ – digital pan, tilt, and zoom

▸ No software required to view image

▸ De-wrapping hardware technology so you clearly see the entire original scene

▸ HD resolution with 5MP CMOS sensor

▸ Cover a large area

▸ IR cut filter for day/night operations

▸ 1080p HD resolution

Full HD 1080

Onvif S
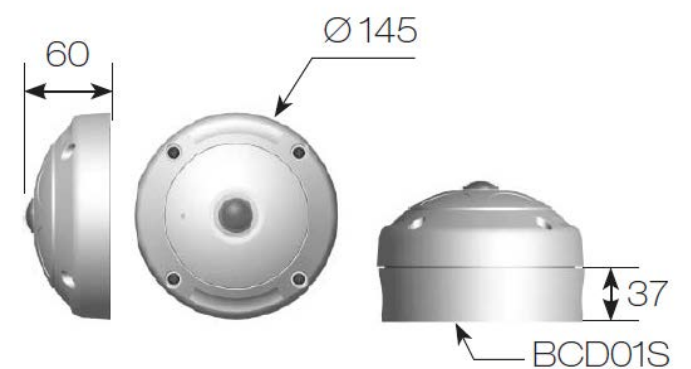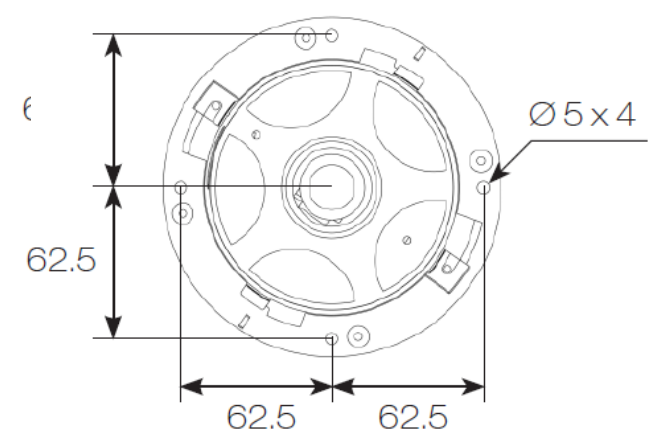
Dimensions: Ø 145mm x 60mm

60 Ø 145

37
BCD01S

155 254

Ø 135

Seeing everything in a scene – More efficiently than with multiple cameras

LILIN FD2452 is a fixed dome IP security camera featuring a fisheye lens for 360° panoramic wide angle view without any blind spots. The fisheye lens with high resolution provides 360° wide view surveillance, and the panorama function with quad view enables 4 different angle images to display for recording and monitoring at the same time. This latest fisheye fixed dome network camera introduced by LILIN, featuring a detailed 5-Megapixel resolution CMOS sensor with superb image quality. With flexible design of FD2452 allows it to be applied in various IP surveillance environments. LILIN FD2452 delivers clear images via multi-streaming H.264 and Motion JPEG video up to 1,920 x 1,080 pixels, and also offers electronically pan, tilt, and zoom function that allows can give users access different video modes including: 180° double table/broad view or 360° source image view.

4 cameras in 1

Four cameras in one to view four images on the same screen. It is a perfect solution to cover a large area such as entrances, exits, and lobbies

Wide Dynamic Range

Wide Dynamic Range (WDR) displays details of both the brightest and darkest areas. WDR can extend image visibility under high contrast lighting scenes and improve image quality

Video Security App

Available on Android and iOS – **LILINViewer** app provides security alarm push notification, real-time live viewing, and remote video playback

Day and Night Operations via Removal of the IR-cut filter

FD2452/V camera was designed using a mechanical IR cut filter for increased IR sensitivity resulting in improved night time images. The removable IR-cut filter allows day and night operations even in the low lux condition providing outstanding vision

ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. FD2452/V camera is ONVIF Profile S conformant

Motion Detection

Detect motion and capture the event. Motion in the selected area will provoke an alert

Privacy Masking

Privacy Masking is a feature used to protect personal privacy by concealing private areas in the camera's field of view. Doorways and house windows for example are not subject to surveillance

Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders

SD Cards in Sync with NAV Software

FD2452/V camera with built-in Micro SD/SDHC card slots can provide redundant video viewing and recording. You can synchronise an SD card with LILIN VMS (Video Management Software) – Navigator (NAV)

Noise Reduction

Remove noise from a signal. Suppressing noise in an image in low light conditions and able to retain quality videos at the same time

Wind and Rain Standards

Meet international IP54 standards for dust and moisture resistant allowing you to install cameras in environments subject to wind and rain

Impact Resistant

IK8-certified housing designed to protect the camera from destructive behaviour