

# NCS1440E

## NCS 144CH Control Server

**NCS**  
SERIES

LILIN NCS1440E Central Management System, supports all series of LILIN product such as LILIN IP cameras, PTZ ,IP cameras, DVRs and NVRs. This recorder can support up to 144 channels of 1080P/3MP/4MP/5MP/8MP/12MP resolution for live display.

It can support up to 3 of 3.5 inch Hard disks(Non-RAID) and the failover feature is supported with dual streaming. dual monitor can support up to 144 division view at the same time. The multichannel playback is also supported. The dual network interface cards are built-in with 2.5GbE.

NCC Viewer Manager is able to create and add permission to the groups. It supports LDAP/AD user management and works with multiple external alarm systems. It is compatible with ONVIF Profile S for the third party cameras. The corridor mode in the live image is supported which increases the monitoring area in vertical narrow and long environment.

NCC Viewer Manager can manage LILIN Navigator Corporate servers, NVRs, and DVRs. NCC Viewer Manager include remote live monitoring, remote video playback, remote video backup, remove device status report, PTZ control, and user authentication.

**144CH**



- H.265/H.264/MJPEG Video format
- Dual streaming decoding mode supported
- Up to 144CH Display (Dual-screen 480P 15fps)
- Support multi-layer tree structure management system, up to 64 layers.
- Both Google Maps and Baidu Maps are supported.
- Support Control Central Chart&Counter
- Support failover up to 36 channel per server
- Support AI IP camera
- Support multi-channels synchronized playback (remote or local)
- Support Fisheye camera dewarping
- Built-in dual port 2.5GbE RJ-45 × 2
- Built-in 500W Power Supply
- 2U dimension for rackmount cabine



Basic Spec	
Network video support	LILIN IP camera, LILIN IP camera over HTTPS, LILIN Fisheye camera, LILIN IP speed dome, LILIN DVR/ NVR, LILIN DHD recorder, NAV live streaming, P2P live streaming, ONVIF camera, manual RTSP, screen capture, USB video input, picture capture
Chassis	2U Chassis
Network video input	Up to 144 channels 1080P / 3M / 4M / 5M / 8M /12M
Paired with AI IPCAM	64 channels
Network video format	H.264 / H.265 / MJPEG
Maximum network throughput	Upload: up to 1250Mbps Download: up to 1250Mbps
Internal HDD / Swap Drive Bay	built-in 1 × 256GB SSD (OS) Support up to 3 × 3.5 Inch SATA HDD (recording)
Video input	
Support quantity	Max. 144 channels
Camera name	20 characters
Channel editing	Mouse drag-n-drop
Fisheye Dewarp Mode	Ceiling and ground mounted, 1 R One Region, 3 R1O Three Regions One Fisheye, 4 R Four Regions, 2 R1P Two Regions One Panoramic 360, 2 P Two Panoramics 180, 8 R1O Eight Regions One Fisheye, Wall mounted, 1 R One Region, 3 R1O Three Regions One Fisheye, 4 R Four Regions, 2 R1P Two Regions One Panoramic 180, 1 WP One Wall Panoramic 180, 8 R1O Eight Regions One Fisheye
Digital zoom	Yes, ePTZ supported
Privacy Mask	Supported
Remote monitoring	Yes, web and NAV Client
Video output	
HDMI output	1 × HDMI Port 2.0, (4096 × 2160@60Hz)
DVI output	No support
VGA output	No support
DisplayPort output	1 × DisplayPort 1.4, (4096 × 2160@60Hz)
Split screen	4, 9, 16, 25, 36
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P / 3M / 4M / 5M / 8M / 12M resolution
Multi-screen	2 monitors support up to 36 channels in total (480P 15fps)
Recording mode	
Recording mode	Alarm, motion, schedule, and manual
Recording schedule	7 days × 24 hrs time table, recording mode configurable
Recording resolution & framerate	Max 12MP@20fps, 8MP@30fps, 5MP@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps, and ROI recording supported
Motion recording	36ch
Alarm recording	Remote digital input, remote IVS detection, remote face detection, remote tamper detection, remote audio detection, external IO, motion detection, NAV CGI Triggering, video loss detection, speed measurement detection, ANPR detection, facial recognition, remote LPR detection, QR code detection, aida behavior detection
Audio recording	Yes
Circular recording	Yes / size customizable
Limited recording	Yes / days customizable
Failover	Supported
Video archiving	Supported
Low bitrate recording	Yes
Remote network NAS	Support NAS (SMB/CIFS), iSCSI
Playback	
Playback search	Date, time, Smart search, Alarm search, POS, ANPR search, Face search, Face trace search (in FR server only), Tagging search
Playback resolution and framerate	Max 12MP@20fps, 8MP@30fps, 5MP@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps
Playback speed	Fast Rewind: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X FastForward: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X
Backup / Video input	Max. 36 channels, AVI & MP4 file format supported
Remote video	NAV Server / Navigator Client / DVR / NVR / IP camera SD card supported up to 36 channels

Alarm / event	
Alarm management	Play audio file, send email notification, PTZ preset, digital output triggering, full screen, post alarm record, pre-alarm record, advanced alarm digital output, send customizable HTTP POST CGI URL to third party device, alarm ACK, alarm snapshot, text overlay, App cloud push notification, NCC TV wall ACK, NCC eMap Center Alarm, NCC play sound, NCC global alarm setting, all these action can be automatic or scheduled
Alarm recording	Pre-alarm: 1 ~ 10 seconds and Post-alarm: 1 sec ~ 59 minutes
Alarm Scheduling	Up to four alarm tables with AND logic
Alarm event actions	Various alarm log including video loss, stop recording, schedule, logon, operation log
Digital output	Controllable via IP cameras
Video archiving	
Video archiving & sync	Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server / NVR / DVR / IP camera SD card.
Accessories	
Keyboard	PIH-931D keyboard controllable via rs-485 to usb converter for PTZ, ePTZ, and ROI features
Audio	PCM/G.711/AAC, two-way audio, audio recording
POS	Third party TCP/IP/ RS-232 / Bluetooth supported / HID USB Barcode scanner
Protocols	ARP / TCP/IP / RTSP / ONVIF / HTTP / HTTPS / SMTP / DNS / PPPoE / SDDP
Mobile support	LILIN Pro&Home, iPhone and Android
IP Scan	IP Scan
VMS support	Support NAV Client software
eMap	Supported
Hardware	
CPU	Intel® Core™ i5-10500E
RAM	32GB (1 × DDR4 32GB)
Chipset	Intel® H610
Display card	Intel® UHD Graphics 770
Ethernet Ports	1 × Intel® I225V with 2.5GbE 1 × Intel® I225V with 2.5GbE
Audio	2 × Audio jack(s)
Rear panel USB port	2 × USB 3.2 2 × USB 2.0
Front panel USB port	1 × USB 3.0
System fan	2 × 60mm rear exhaust fans
Hot spare	No support
RAID Control	No support
RAID Mode	No support
SSD / HDD	built-in 1 × 256GB SSD (OS) Support up to 3 × 3.5 Inch SATA HDD (recording)
Other	
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese, Polish
OS	Windows 11 IoT Enterprise 22H2 GAC
DST	DST Daylight saving time by Windows OS
Power and environment	
Power consumption	500W
Power supply	110V ~ 240V Redundant Power Supply
Operating Temperature	0° C ~ 50° C (32° F ~ 122° F)
Storage Temperature	-20° C ~ 70° C (-4° F ~ 158° F)
Relative Humidity	10% ~ 90% (non-condensing)
Dimension (mm)	88 (H) × 438 (W) × 452 (D) mm
Weight	20.94 lbs (9.50kg) - Net
Warranty	
Warranty	3 years