

NCS3600 NAV Control Server

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HDMI



DisplayPort



USB 3.0



H.265



FCC Certified



CE Certified

- ▶ ONVIF Profile S, LILIN IP cameras, PTZ domes, and DVRs/NVRs & NAV are supported
- ▶ Up to 36 channels 1080P/3M/4M/5M/8M network streaming, recording, and display
- ▶ built-in 1 × 500GB 2.5 SATA SSD(OS)
- ▶ Support up to 3 x 3.5 SATA HDD(recording)
- ▶ Dual streaming decoding mode supported
- ▶ Support multi-channels synchronized playback (remote or local)
- ▶ Support image archiving mechanisms
- ▶ Built-in dual port Gigabit Ethernet, RJ-45 × 2
- ▶ Built-in 500W Power Supply
- ▶ 2U dimension for rackmount cabinet

Introduction

LILIN NCS3600 36 channels Recorder supports LILIN IP cameras, PTZ dome IP cameras, DVRs, and NVRs. The recorder features up to 36 channels 1080P/3M/4M/5M/8M network streaming, recording, and display

It is built-in dual port Gigabit Ethernet, and dual monitors. It also supports multi-channels playback for remote or local NAV

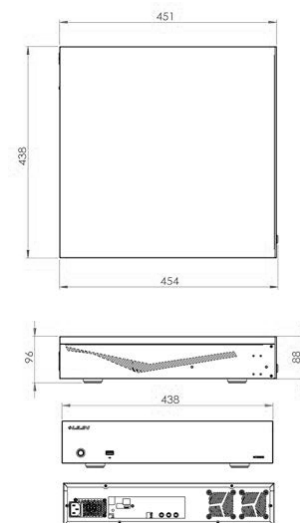
NCS3600 is capable of supporting continuous and schedule recordings.

NCC Viewer Manager 3.0 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.

Dimensions

88 (H) × 438 (W) × 451 (D) mm



NAV Control Server

Basic Spec

Model	NCS3600
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.
Chassis	2U Chassis
Network video input	Up to 36 channels 1080P / 3M / 4M / 5M / 8M
Network video format	H.264 / H.265 / MJPEG
Maximum network throughput	Upload: up to 500Mbps, Download: up to 500Mbps
Internal HDD / Swap Drive Bay	built-in 1 × 500GB 2.5 SATA SSD(OS) Support up to 3 × 3.5 SATA HDD (recording)

Video input

Support quantity	Max. 36 channels
Camera name	20 characters
Channel editing	Mouse drag-n-drop
Fisheye Dewarp Mode	1R, 1O3R, 4R, 1x 360 Panoramic+ 2R, 2x 180 Panoramic, 1O8R
Digital zoom	Yes, ePTZ supported
Privacy Mask	Supported
Grouping	User grouping authentication assignable for eMap and Navigator
Remote monitoring	Yes, web and NAV Client

Video output

HDMI output	1 × HDMI port 1.4b (4096 × 2160@24Hz)
DisplayPort output	1 × DisplayPort 1.2 (4096 × 2304@60Hz)
NAV TV Wall	1 monitor support up to 36 channels in total (480P 15fps)
Split screen	4, 9, 16, 25, 36
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P / 3M / 4M / 5M / 8M resolution
Multi-screen	1 monitor 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 speed	Max 8MP@30fps, 5MP@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps, and ROI recording supported
Recording resolution	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240
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
Video archiving	Yes
Low bitrate recording	Yes
Remote network NAS	Yes

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	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240
Video speed	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps
Playback speed	FR: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X 32X FF: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X
Backup / Video input	Max. 36 channels, AVI file format supported
Remote video	NAV Server / Navigator Client / DVR / NVR / IP camera SD card, maximum can support up to 36 channels playback and backup

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.
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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
Protocols	ARP / TCP/IP / RTSP / ONVIF / HTTP / HTTPS / SMTP / DNS / PPPoE
Mobile support	LILINViewer, iPhone and Android
IP Scan	Supported, easy-to-setup for IP address
VMS support	Support NAV Client software
eMap	Supported
eMap Live Monitoring	Each map can see 64 live video at the same time
Auto Switch to the Map of Alarm Event	Supported
eMap Alarm Snapshot	Motion detection / external alarm / audio detection alarm / face detection
Alarm Event Actions	Digital output controllable, snapshots, and alarm popup
(eMap)Central Management	Centralized monitoring channels from multiple server
(eMap)Online Maps	Google map and Baidu map up to 128 eMap, GPS devices supported
Number of Mark for Online Map	Each online map can support 5000 camera mark
Number of Mark for Offline Map	Each offline map can support 500 camera mark

Hardware

CPU	Intel® Core™ i5-8500
RAM	16GB (2 × DDR4 8GB)
Chipset	Intel® H370 Chipset
Display card	Intel® UHD Graphics 630
Ethernet Ports	RJ-45 Gigabit Ethernet × 2
Audio	5 × Audio jack(s), 1 × S/PDIF
Rear panel USB port	5 × USB 3.1 , 1 × USB Type-C
Front panel USB port	1 × USB 3.0
System fan	2 × 60mm rear exhaust fans
SSD / HDD	built-in 1 × 500GB 2.5 SATA SSD(OS) Support up to 3 × 3.5 SATA HDD (recording) Note: Do not use WD Purple HDDs for NAV HDD installation.Please use 7200 RPM WD Red Pro for non - RAID installation, WD(Gold) Enterprise HDDs for RAID installation, or other Enterprise HDDs

Other

Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese
OS	Windows 10 embedded LTSP
DST	Daylight saving time by Windows OS

Power and environment

Power consumption	500W Power Supply
Power supply	110V ~ 240V
Operating Temperature	10°C ~ 40°C(50°F ~ 104°F)
Storage Temperature	0°C ~ 70°C(32°F ~ 158°F)
Relative Humidity	10% ~ 90% (non-condensing)
Dimension (mm)	88 (H) × 438 (W) × 451 (D) mm
Color	Black
Weight	20.94 lbs (9.50kg)