

NAV2400AI Aida Server

www.meritlilin.com

HDMI



DisplayPort



H.265 / H.264



SSD



1080P HD



- ▶ Support 4 channels for AIDA recognition
- ▶ Include one M.2 interface VPU Core (model number PMH-XM2280)
- ▶ Number plate recognition (optional)
- ▶ Car mark recognition (optional)
- ▶ Up to 4 channels 1080P network streaming, recording, and display
- ▶ built-in 1 × 500GB 2.5 Inch SATA SSD (OS)
- ▶ built-in 1 × 1TB 3.5 Inch SATA HDD (recording)
- ▶ Support up to 2 × 3.5 Inch SATA HDD
- ▶ Dual streaming decoding mode supported
- ▶ 1 monitor supported, up to 4 channels video display
- ▶ Built-in dual port Gigabit Ethernet, RJ-45 × 2
- ▶ Built-in 500W Power Supply
- ▶ 2U dimension for rackmount cabinet
- ▶ Possible to combine different engine in same server
- ▶ 3 Aida power per server

Introduction

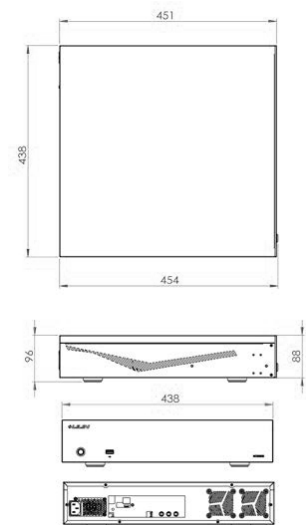
LILIN NAV2400AI Aida Server is a 4 channels 2U server that can support up to 2 AI engine at the same time.

It provides 3 AIDA Processing Power that can be allocate by user according to its purpose.

Through our Navigator software user will be able to search the video by category, doing playback and also do backup.

Dimensions

88 (H) × 438 (W) × 451 (D) mm



Aida Server	
Basic Spec	
Model	NAV2400AI
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 4 channels 1080P
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 Inch SATA SSD (OS) built-in 1 × 1TB 3.5 Inch SATA HDD (recording) Support up to 2 x 3.5 Inch SATA HDD

Video input	
Support quantity	Max. 4 channels
Camera name	20 characters
Channel editing	Mouse drag-n-drop
Digital zoom	Yes, ePTZ supported
Privacy Mask	Supported
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)
Split screen	4
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P

Recording mode	
Recording mode	Alarm, motion, schedule, and manual
Recording schedule	7 days × 24 hrs time table, recording mode configurable
Recording resolution & framerate	Max 1080p@30 fps, and ROI recording supported
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	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 1080p@30 fps
Playback speed	Fast Rewind: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X Fast Forward: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X
Backup / Video input	Max. 4 channels, AVI & MP4 file format supported

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

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, iPhone and Android
IP Scan	Supported, easy-to-setup for IP address
VMS support	Support NAV Client software
eMap	Supported

Hardware	
CPU	Intel® Core™ i7-10700
RAM	32GB (2 × DDR4 16GB)
Chipset	Intel® H410
Display card	Intel® UHD Graphics 630
Ethernet Ports	2 × RJ-45 1GbE
AI VPU Core	PMH-XM2280 × 1
Audio	5 × Audio jack(s), 1 × S/PDIF
Rear panel USB port	3 x USB 3.1 Gen 1, 1 x USB 3.1 Gen 1 (blue) USB Type-CTM, 2 x USB 3.1 Gen 2
Front panel USB port	2 × USB 2.0
System fan	2 × 60mm rear exhaust fans
SSD / HDD	built-in 1 × 500GB 2.5 Inch SATA SSD (OS) built-in 1 × 1TB 3.5 Inch SATA HDD (recording) Support up to 2 x 3.5 Inch SATA HDD

Other	
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese
OS	Windows 11 Enterprise SAC
DST	Daylight saving time by Windows OS

Power and environment	
Power consumption	500W
Power supply	110V ~ 240V
Operating Temperature	10°C ~ 40°C(32°F ~ 104°F)
Storage Temperature	0°C ~ 70°C(-4°F ~ 176°F)
Relative Humidity	10% ~ 90% (non-condensing)
Dimension (mm)	88 (H) × 438 (W) × 451 (D) mm
Color	Black
Weight	21.00 lbs (9.52kg)

AIDA Recognition Specifications	
Navigator Corporate Channel number	4 channels
Number of Aida recognition channel supported	4 channels
Number of AI engines allowed	2 engines
Aida computing power capacity	3 Aida power per server