ZNR-222P

Deep Learning AI 16-Channel 2-Bay 1U Rackmount Standalone NVR with 16-port PoE Connectors



- 16 channels, 16 Free Licenses
- 2 Storage Bay(s)
- Rack Space: 1U, Rackmount Standalone NVR
- Embedded Linux
- 16-Port PoE
- ARM-based embedded SoC
- Audio, Digital Input/Output, HDMI x 1, VGA x 1
- Built-in Core Analytics, Deep Learning AI
- Forensic Search, Smart Search
- Object Visual Tracking

Specifications

Product Profile

Product Type	Standalone NVR
Maximum Resolution	12MP
Maximum Number of Video Devices	16
Maximum Number of Clients	Local: 1, Remote: 128
Supported Screen Resolution	HDMI: 3840x2160 (30Hz), 1920x1080 (60Hz/50Hz), 1600x1200 (60Hz), 1280x1024 (60Hz), 1280x720 (60Hz), 1024x768 (60Hz) VGA: 1920x1080 (60Hz/50Hz), 1600x1200 (60Hz), 1280x1024 (60Hz), 1280x720 (60Hz), 1024x768 (60Hz)

Hardware

System Architecture	Embedded SoC-based (ARM platform)
CPU	ARM-based embedded SoC

License

License required	No
Free License	16

Live View

Display Layout Mode	1, 4, 6, 8, 9, 16
Fisheye Dewarping	Yes (Live View, Playback)

Local Live View performance	[Smart IVA Off] 2ch (up to 30 fps at 12MP) 2ch (up to 30 fps at 4K 3840 x 2160) 4ch (up to 30 fps at 4MP) 10ch (up to 30 fps at 3MP) 16ch (up to 30 fps at 720p) [Smart IVA On] 2ch (up to 30 fps at 4K 3840 x 2160) 4ch (up to 30 fps at 4MP) 8ch (up to 30 fps at 2MP 1920 x 1080) 16ch (up to 30 fps at 720p)
Digital Zoom	Yes
Event Status	Display event status upon alarm or upon connection loss or recovery between server and client

PTZ

PTZ Control	PTZ Control, Speed Control

Video

Compression	H.265, H.264
Text Overlay	Yes

Analytics

NVR Built-in Analytics	Smart Intrusion Protection (detect people, vehicles entering/ exiting area or crossing the line), Smart Motion Detection (detect when the people, vehicles or other objects move in the predefined area), Face Comparison, Face Detection
NVR Analytics Maximum Channels	Smart Intrusion Protection: 2 channels
Deep Learning AI	2.0
Object Recognition Database	Vehicle Picture Capacity: 25,000
Analytics from Camera	Receive analytics based events from the cameras and respond to the events: Face Detection; Smart Motion Detection (People Detection, Vehicle Detection); Smart Intrusion Protection (Intrusion Detection, Line Crossing Detection, Enter Area Detection, Exit Area Detection); People Counting (People Line Counting, People Area Counting, People Flow Counting, Crowd Detection); Object Recognition; Traffic Monitoring

Audio

Audio Type	2-way, Line-in, Line-out

Network

Ethernet Port	Total ports: 17 port(s) Non-PoE: 1 port(s), Ethernet (10/100/1000 Base-T), RJ-45 connector PoE: 16 port(s), Ethernet (10/100 Base-T), RJ-45 connector
Maximum Outgoing Throughput	128 Mbps

Recording

Maximum Recording Throughput	160 Mbps

Search & Playback

Synchronized Playback	16 channels
Smart Search	Set ROI and look for the people and vehicles appearing in the ROI in the past recordings (requires cameras with Smart Motion Detection feature)
Forensic Search	Select target object (people, vehicle) and search for the similar object through all the channels
Object Visual Tracking	Support, View thumbnails generated by Forensic Search and playback by time sequence

System

Server Operating System	Embedded Linux
USB	1-Port USB 2.0, 1-Port USB 3.0

Integration

ONVIF Compliant	Yes, Profile S, Profile G, Profile T

Storage

Storage Bay	SATA, Max. 2 Disk(s) (without storage disks)
HDD Size	3.5"
Maximum Recording Capacity	24TB x2
RAID Level	No

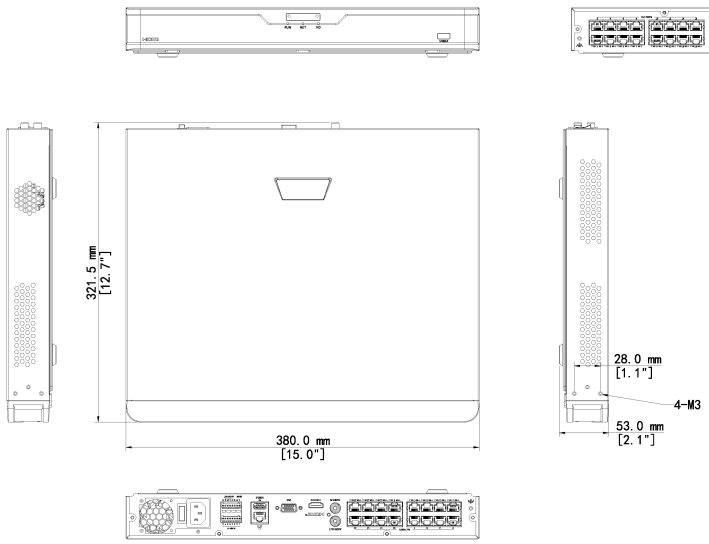
Interface

Serial Port	1 x RS-485
Audio Interface	1/1, RCA Jack
Digital Input/Output	8/2
Local Display Interface	HDMI x 1, VGA x 1

General

PoE Output	Maximum 30 Watts per port
PoE Power Budget	Maximum 240 W
Power Source	AC 100-240V
Dimensions	(W x H x D): 380mm x 53mm x 322mm (15.0" x 2.09" x 12.7") Rack Space: 1U
Bundled Accessories	USB Mouse
Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F)
Operating Humidity	10% - 90% RH, non-condensing
Approvals	UL Listed, BSMI
Color	Black
Warranty	2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

Dimension Diagram



Unit: mm [inch]

Related Products

Network & Storage Peripherals - Hard Disk

PHDD-2G00		WD Ultrastar 18TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache
PHDD-2M00		WD Ultrastar 24TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache