

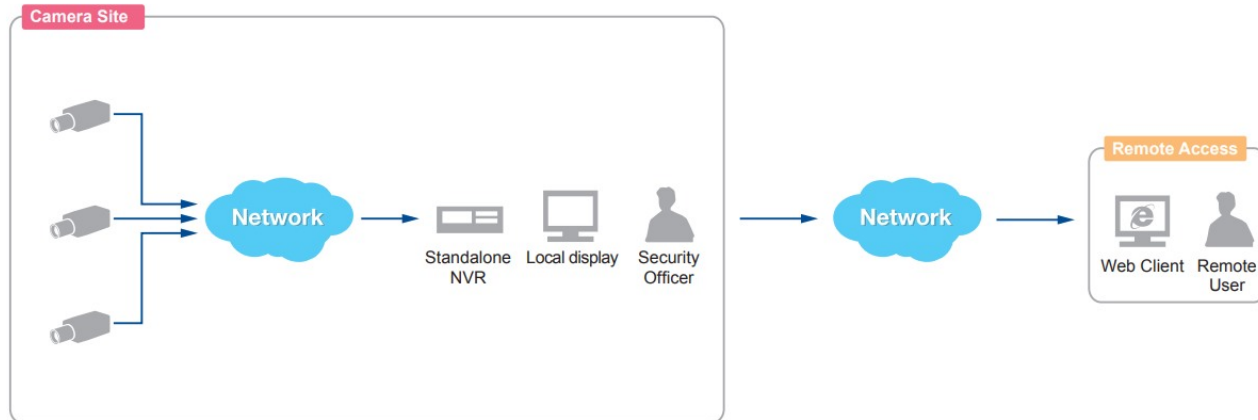
ENR-222

16-Channel Desktop Standalone NVR



- 2-bay Desktop Standalone NVR
- RAID 0, 1, 5 (external storage enclosure required)
- Maximum Number of Video Devices: 16
- Free License: 16
- Event trigger, response and notification
- Web Client, Mobile Client
- Video export formats: RAW, AVI
- Location-based management with e-Map
- Hi3536 (Quad-core, 1.4GHz), 4GB

► Solution Diagram



Remote User: Administrator / Supervisor / Manager / Security Officer

► Specifications

Device

Product Type	Standalone NVR
Maximum Resolution	Local: up to 12MP; Remote: up to 12MP
Maximum Number of Video Devices	16

Maximum Number of POS devices	16
Maximum Number of Access Control and Network I/O devices	16
Maximum Number of Clients	Local: 1, Remote: 2
Supported Screen Resolution	HDMI: 1080p, 4K2K (Output 4k2k to TV monitor will be supported through future firmware upgrade.)
Key Features	<ul style="list-style-type: none"> • Event response for trigger a specific PTZ device to go to a preset point and enlarge the channel video when receiving the event triggered by camera • Customized on-screen display (OSD) with camera name and date in Traditional Chinese. The OSD should be reserved in video snapshots and exported video files (.avi) • View patrol function to switch automatically between different views or devices • Schedule Recording with user-defined schedule, and time segment is configurable from one hour increment up to 24 hours / 7 days • Speed-up recording to keep recording all the way without losing any single moment; I-frame only for non-event recording and full frame rate for event recording. • Event recording includes pre-event and post-event buffers • Event management supports trigger types (video motion detection, digital input, network status and intelligent events) and response types (focus channel in live view, digital output, audio alert, Email notification, trigger other camera actions, execute URL commands) • Accept any preset camera models (at least 2 models) can support intelligent events (line crossing, enter area, missing object, unattended object and tampering detections) through intelligent servers • Push Notification message to mobile device via Cloud service • Auto firmware upgrade through cloud download center and Manual Firmware upgrade through USB mass storage or remote web client. • Backup/Restore data and settings via USB • Backup/Restore data and settings via USB • Support H.265/H.264 compression, HDMI output and 1.4GHz quad-core processor

Hardware

CPU	Hi3536 (Quad-core, 1.4GHz)
RAM	4GB

License

License required	No
Free License	16

Live View

Display Layout Mode	Custom dynamic layouts by grid merging, 1, 2, 4, 6, 8, 9, 10, 12, 13, 16, 1+5, 1+7, 1+12, 2+4, 2+8, Custom
Fisheye Dewarping	Yes
Local Live View performance	Please check "Standalone NVR Performance Validator" (http://www.acti.com/SANVRPerformance)
Digital Zoom	Yes
Event Status	Display event status upon alarm or upon connection loss or recovery between server and client
Instant Playback	Instant Playback in live view window

Map

e-Map	Yes*
Google Map	Yes*

PTZ

PTZ Control	PTZ Control, Speed Control, 32 preset points
Pan, Tilt or Zoom protocol	ACTi URL command

Video

Compression	H.265, H.264, MJPEG
Text Overlay	Yes

Audio

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

Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP (Server/Client), PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, SMTP, ICMP, ARP, UPnP, iSCSi, Samba, NFS, SNMP
Ethernet Port	Total ports: 2 port(s) Non-PoE: 2 port(s), Ethernet (1000 Base-T), RJ-45 connector

Recording

Scheduled Recording	Yes
Event Recording	Yes
Manual Recording	Yes
Event Speed-up Recording	Yes
Dual Stream Management	Yes
Maximum Recording Frame Rate	Maximum total 480fps; Maximum 30fps per camera
Maximum Recording Throughput	300 Mbps

Search & Playback

Playback Control	Continuous forward and backward playback with speeds 0.125x/0.25x/0.5x/1x/2x/4x/8x/16x, pause, stop
Synchronized Playback	16 channels
Recording Search	Search video recordings by time, events, channels and bookmarks*
Video Export	RAW, AVI

Event

Event Trigger	[NVR]: Disk full, System booted successfully, Expiration of user accounts, Expiration of specific event schedule, Event action failed, S.M.A.R.T test failed, External device through digital input [Video Device]: Video motion detection, External device through digital input, Sound detection, Video loss, Video Recovery, Network loss and recovery, Intelligent event detection (ACTi IVS Cameras, including Line Crossing Detection, Enter Area Detection, Missing Object Detection, Unattended Object Detection or Tampering Detection). [Extended Device]: Point-of-sale (POS) status, Network I/O status, Access Control status
Event Response	Play alert sound, Activate external device through digital output, E-mail notification with snapshots, Go to PTZ preset point or preset tour, Command other devices, Push notification, Pop-up window with live video

System

Permission control	Unlimited number of users, Active Directory*, Customizable permissions for user groups*, Account lockout*, Automatic logout after idle*
--------------------	---

Client PC Operating System	Windows 10, Windows 8.1, Windows 7 SP1
Server Operating System	Embedded Linux
Mobile Client Program	Mobile device application (ACTi Mobile Client) supports Live View, PTZ Control, Event/time based search and playback, Supported device(s) iOS, Android device
USB	2-Port USB 2.0, 1-Port USB 3.0
Language	Multi-Language, Traditional Chinese, Simplified Chinese, English

Integration

Unified Solution	Fully compatible with ACTi Cameras, Video Encoders, Central Management System*, TV Wall Server*, Intelligent video surveillance software
ONVIF Compliant	Yes, Profile S
Web Browser	IE 11 (Please verify that your computer meets the minimum system requirements for Internet Explorer from Microsoft website.)
Auto Firmware Upgrade	Yes
Third-party Integration	Point of Sale (POS), Parking Management Station (PMS), Access Control, Network I/O

Storage

Storage Bay	SATA, Max. 2 Disk(s) (without storage disks)
HDD Size	3.5"
Maximum Recording Capacity	14TB x2
RAID Level	RAID 0, 1, 5 (external storage enclosure required)
Supported Storage	Video Recording: SATA disk, iSCSI Export*: USB, iSCSI Samba NFS

Interface

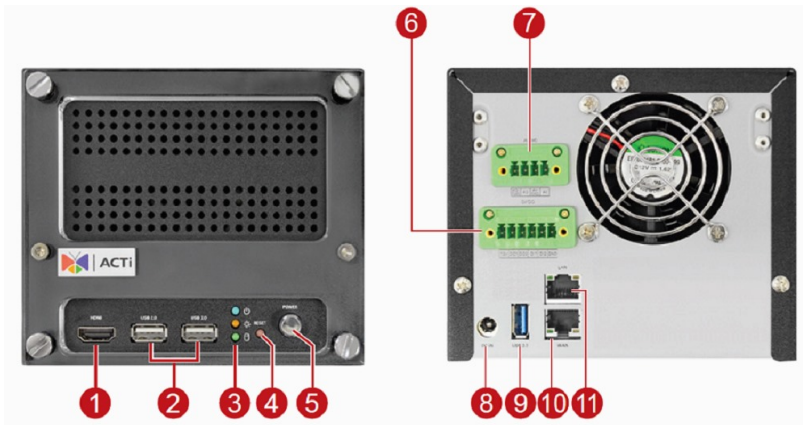
Digital Input/Output	2/2
External Storage Interface	iSCSI
Local Access	USB keyboard & mouse
Local Display Interface	HDMI x 1,

General

Power Source	DC 48V
Weight	1579g (3.481lb)
Bundled Accessories	Power Adapter
Fan	Yes
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Remote Access	Web Client, Mobile Client
Approvals	CE, FCC, UL (for built-in power adapter)
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

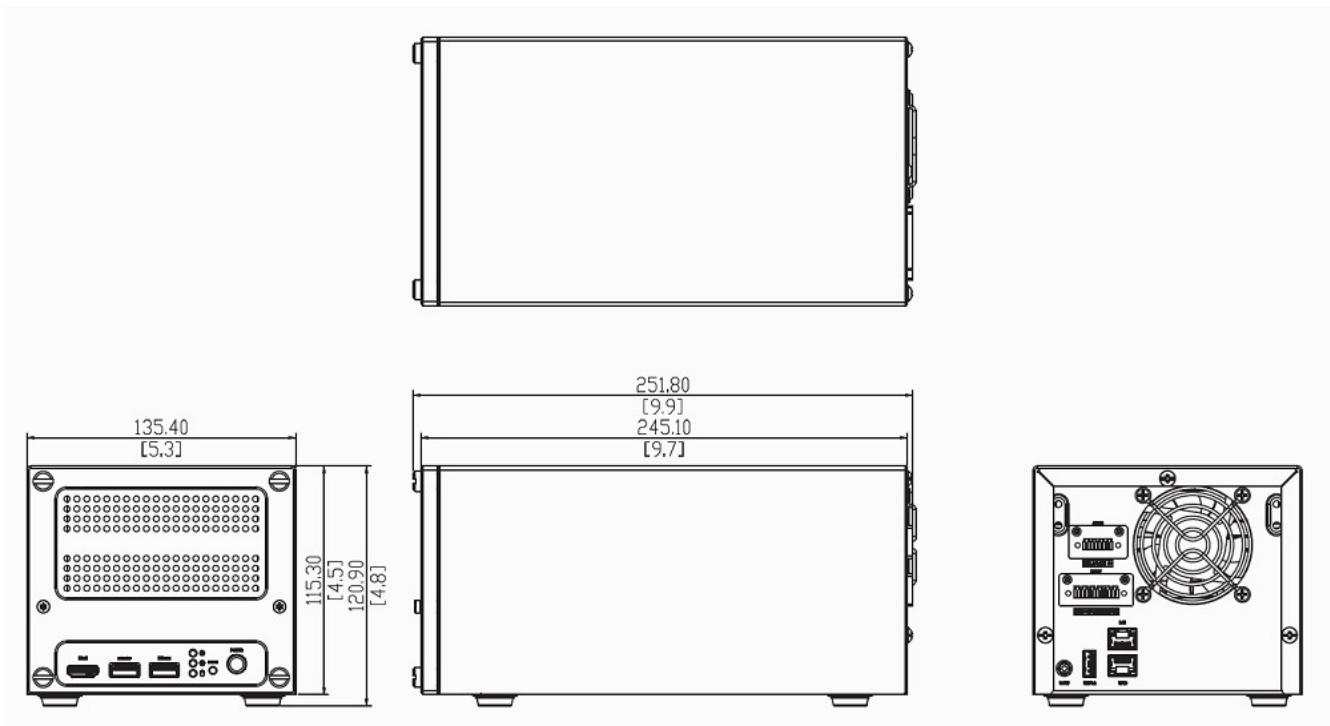
* To be available through future firmware upgrade

► Photo Indication



- 1 HDMI Port
- 2 USB 2.0 Ports
- 3 LED Indicators
- 4 Reset Button
- 5 Power Button
- 6 Digital Input/Output
- 7 Audio Input / Output
- 8 DC 48V Power Input
- 9 USB 3.0 Port
- 10 WAN Port
- 11 LAN Ports

► Dimension Diagram











Unit: mm [inch]

► Ordering Information


LEXD1000	The license is for access control reader and network I/O device to work on ACS-100, Access Control Standard Server. The number of add-on device supported: 1-300 (ACS-100), No Limit (Access Control Standard Server). Price listed is for single device add-on license.
LPOS1000	The license is for POS register to work on . Price listed is for single device add-on license.

► Related Products


Network & Storage Peripherals - Hard Disk

PHDD-2200		WD WD1005FBYZ 1TB 3.5" Hard Disk Drive, 7200 RPM 128 MB Cache (for ENR-0x0P, ENR-110, ENR-120, ENR-130, ENR-22x, ENR-22xP, GNR-310, GNR-320, INR-100, INR-340, INR-430, INR-440, INR-450, INR-460)
PHDD-2301		HGST ULTRASTAR 7K6000 2TB 3.5" Hard Disk Drive, 7200 RPM 128MB Cache (for ENR-1xx, ENR- 0x0P, ENR-22x, ENR-22xP)
PHDD-2501		HGST ULTRASTAR 7K6000 4TB 3.5" Hard Disk Drive, 7200 RPM 128MB Cache (for ENR-1xx, ENR-0x0P, ENR-22x, ENR-22xP)
PHDD-2702		HGST ULTRASTAR 7K6000 6TB 3.5" Hard Disk Drive, 7200 RPM 128MB Cache (for ENR-1xx, ENR-0x0P, ENR-22x, ENR-22xP)
PHDD-2900		WD WD8002FRYZ 8 TB 3.5" Hard Disk Drive, 7200 RPM 128 MB Cache (for GNR-310, GNR-320, INR-100, INR-340, INR-410, INR-430, INR-440, INR-450, INR-460)
PHDD-2A00		WD WD101KRYZ 10TB 3.5" Hard Disk Drive, 7200 RPM 256MB Cache (for ENR-xxx, ENR-xxxP, GNR-330, GNR-410, INR-100, INR-340, INR-410, INR-430, INR-440, INR-450, INR-460, INR-470)
PHDD-2B01		HGST ULTRASTAR 7K6000 12TB 3.5" Hard Disk Drive, 7200 RPM 256MB Cache
PHDD-2E01		HGST ULTRASTAR 7K6000 14TB 3.5" Hard Disk Drive, 7200 RPM 512MB Cache


Network & Storage Peripherals - Extended Storage Device

PSTR-0400		PROWARE EN-2126JS6T-SQX 2U 12-Bay NAS RAID Storage Device (for GNR-3000, MNR-320P, MNR-330P, and all GNR and INR Series)
-----------	---	--

Network & Storage Peripherals - Network IO Module

PIOB-0100		Advantech ADAM-6060 6 Digital Input and 6 Digital Output Network I/O Module
-----------	---	---

Controllers - Joystick

PJSK-0100		Apem 100-550-BLK-RF Joystick for PTZ Control (for all ENR, INR, and MNR Series)
-----------	---	---

Audio Devices - Microphone

PMIC-0101



YLD-122 Active Microphone (for ENR)