

ENTERPRISE CLASS NVR Built-in RAID 0/1/5/10



ENX-128HD



128 Channel
HD 4K Network Video Recorder

Features:

- Intel Quad core CPU, Embedded LINUX
 - RAID 0/1/5/10, Supports Hot-swap
 - Max 384Mbps Incoming Bandwidth
 - 2x Gigabit Optical Fiber Interface
 - Up to 12MP Resolution for Preview and Playback
 - Utilizes Intel processor technology
 - Quad Gigabit Ethernet ports for load balancing
 - SCSI or SAS (Serial Attached SCSI) host bus adapter (HBA) for external storage connectivity
 - 2 HDMI (up to 3840 x 2160, Different Source), 1 VGA
 - USB Device/Network/eSATA Device
 - 4 USB ports (2 USB2.0 on front-panel, 2 USB3.0 on rear panel)
 - Fully integrated with WatchNET MPIX line of cameras
 - Easy Local GUI & WEB GUI with mouse control
 - Smart Phone and Web Access
 - ONVIF cameras integration
 - Supported by WhatchNET VMS
 - Supports multiple analytic functions.
- For more Information call us to better suit your needs.



FREE Multisite VMS software
Download from www.watchnetinc.com



HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

eSATA Port



Front panel



iPhone



Model	ENX-128HD
System	
Main Processor	Intel Quad-core Processor
Operating System	Embedded LINUX
Display	
Interface	2 HDMI (up to 3840 x 2160 , Different Source), 1 VGA
Resolution	3840 x 2160, 1920 x 1080, 1280 x 1024, 1280 x 720, 1024 x 768
Multi-screen Display	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Video Detection and Alarm	
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 x 18), Video Loss and Camera Blank
Alarm input	16 Channel, Low Level Effective, Green Terminal Interface
Relay Output	8 Channel, NO/NC Programmable, Green Terminal Interface
Tracking Trigger Event	Targeting, Zoom, Tracking, Recording, Snapshot, Alarm, etc.
Playback and Backup	
Playback	128 Mbps in Raid 5 Mode / 64 Mbps in single HDD Mode
Search Mode	Time/Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network/eSATA Device
Storage	
Internal HDD	16 SATA III Ports, Up to 8 TB capacity for each HDD
HDD Mode	Single, RAID 0/1/5/10 (Enterprise-level HDDs are recommended), Support Global HDD Hot-spare
eSATA	1 eSATA Port (Please contact technical engineer to confirm the compatible device)
SAS	1 Mini SAS Port, for Storage Expansion
Auxiliary Interface	
Front Cover	Supports Hot-swap
USB	4 USB Ports (2 USB 2.0 , 2 USB 3.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control

Audio and Video	
IP Camera Input	128 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA
Recording	
Compression	H.265/H.264/MJPEG
Resolution	12MP, 8MP, 6MP, 5MP, 4MP, 3MP, 1080P, 1.3MP, 720P etc.
Record Rate	384Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Camera Blank, Video Loss), Alarm, Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Network	
Interface	4 RJ-45 Ports (10/100/1000Mbps)
Ethernet Port	4 Ethernet Ports Joint Working or 4 Independent 1000Mbps Ethernet Ports
PoE	N/A
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support WatchNET IP camera, DVR, NVS, etc.)
Optical Fiber Interface	2 Giga Optical Fiber Interface
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.4, CGI Conformant
Electric	
Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	<51W (Without HDD)
Environmental	
Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Construction	
Dimensions(W×D×H)	3U, 485mm x 512.9mm x 133.2mm (19.1" x 20.2" x 5.2")
Net Weight	17.6kg (38.8lb) (without HDD)
Gross Weight	27kg (59.5lb)
Installation	Rack-mounted
Certifications	CE, FCC, UL

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