

# 16CH EMBEDDED AI NETWORK VIDEO RECORDER



**ENR-02016-N-VPK**

## FEATURES

16 Channel Input (Upgradable to 20 Channels)

AI-Driven Smart NVR

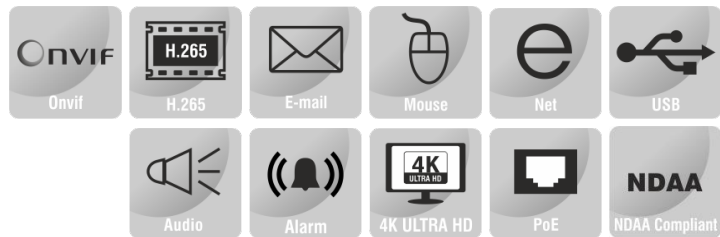
Support Enhanced (H.265, H.264), H.265, H.264 Video Formats

2 SATA HDDs

HDMI and VGA Simultaneous Output

ONVIF Profile (S, G, T)

PoE Support



## SPECIFICATION

MODEL	Model No.	ENR-02016-N-VPK
	Type	16CH EMBEDDED AI NETWORK VIDEO RECORDER
VIDEO & AUDIO	Video Input	16-Ch (Upgradable to 20 Channels)
	Incoming Bandwidth	160 Mbps (120Mbps with AI enabled)
	Outgoing Bandwidth	80 Mbps
	HDMI /VGA Output	HDMI: 3840×2160, 2560×1440, 1920×1080, 1440×900, 1280×1024, 1280×800, 1280×720, 1024×768 VGA: 1920×1080, 1440×900, 1280×800, 1280×720, 1024×768
	Audio I/O	1-Ch Input (3.5 mm) / 1-Ch Output (RCA)
	Two-way Audio	Supported
	Screen Split	1/2A/2B/3/4/5/6/7/8/9/10/12/13/16/20A/20B/20C/20D/25
	Video Encryption	Supported
OSD Type	Title, Week, Date, Time, Text with different colors and adaptable sizes	
DECODING	Video Compression	Enhanced (H.265, H.264), H.265, H.264
	Video Bit Rate	32 kbps ~ 16 Mbps (per channel)
	Audio Compression	G.711A, G.711U, AAC, ADPCM_D
	Audio Bit Rate	8 kbps, 32kbps, 48 kbps
	Bit Rate Type	CBR, VBR
	Recording Resolution	16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080P/UJGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	Recording Mode	Continuous, Manual, Event (Pre/Post, Motion etc.), Schedule, ANR, Record Interval by Time / Size
Pre/Post Record Time	Pre (5~60 sec); Post (10~60 sec)	
Fisheye De-warping	N/A	

★Product specification and availability are subject to change without notice.

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	Type	16CH EMBEDDED AI NETWORK VIDEO RECORDER
<b>MONITORING</b>	Preview Capability	1x16MP/2x8MP/3x6MP/4x5MP/5x4MP/6x3MP/10x1080P/20x720P/20x4CIF 1x16MP/2x8MP/2x6MP/3x5MP/4x4MP/5x3MP/8x1080P/16x720P/20x4CIF (AI enabled)
	Synchronous Playback	1x16MP/2x8MP/3x6MP/4x5MP/5x4MP/6x3MP/10x1080P/16x720P/16x4CIF 1x16MP/2x8MP/2x6MP/3x5MP/4x4MP/5x3MP/8x1080P/16x720P (AI enabled)
	Live View Functions	Screen Matrix, Stream Type, System Alarm, Snapshot, Record, Talkback, Volume Adjustment, Full Screen, Digital Zoom
	Playback Functions	Sync Playback, Play, Pause, Stop, Fast Play, Slow Play, Backwards, Forwards, Full Screen, Backup Selection, Clip Management, Screen Matrix, Stream Type
	Corridor Mode	Supported
	Backup Mode	USB, Network
	Export Picture Format	JPG
	Export Video Format	MP4, SDV, AVI
	Download from Edge storage	MP4, SDV, AVI
	<b>INTERFACE</b>	Protocols
Compatibility		ONVIF Profile (S, G, T), CGI/SDK
Network		1xRJ45 (10/100/1000 Mbps) Self Adaptive Ethernet Port
Serial Interface		N/A
HDMI		1xHDMI
VGA		1xVGA
USB Interface		2xUSB 2.0
Alarm I/O		4 / 1
<b>PoE</b>	PoE Interface	16xRJ45 (10/100 Mbps) Self Adaptive Ethernet Port
	PoE Budget	200 W
	Power per PoE Port	30 W
	Max. Current per PoE Port	600 mA
<b>SMART</b>	Built-in AI Analytics	Face Detection, Face Recognition, Intrusion (Perimeter), Crossline (Tripwire), Smart Motion Detection *Works even without AI-enabled cameras.
	Behavior Detection	Intrusion (Perimeter), Crossline (Tripwire), Double Crossline (Double Tripwire)
	Analytics	Loitering, Running, Abandoned object (Object Left), Missing object (Object Lost), Parking, Face Detection (Capture), People Counting, Crowd Detection, On Duty Detection, Abnormal Video & Audio Detection, Auto Tracking, Heatmap, Human and Vehicle Classification **Compatible with analytic supported cameras
	Alarm Management	Output event, Alarm output error, Illegal access, IP Conflict, MAC Conflict, Network Interrupt, PoE Overload, Hard disk full, No hard disk, Hard disk RW error, Hard disk overload, Smart check error, Abnormal recording, Abnormal temperature, Motion detection, Tampering (Masking), Smart detection, Video loss
<b>STORAGE</b>	SATA	2 SATA Interfaces
	Capacity	Up to 10 TB for each HDD
	Array Type	N/A
	e-SATA	N/A
	ANR	Supported
<b>GENERAL</b>	Main Processor	Dual Core Embedded Processor
	Operating System	Embedded Linux
	User Permission	32 with multiple privilege level
	Web Client	EyeConnect
	Web Language	15
	Power Supply	100 ~ 240V AC, 50~60 Hz
	Redundant Power	N/A
	Power Consumption (without HDD)	≤10 W (without HDD & without PoE)
	Working Environment	-10 °C ~ 55 °C
	Humidity	10% ~ 90% RH
	Chassis	1U
Dimension	440x284x48 mm	
Net Weight	3.1 kg	

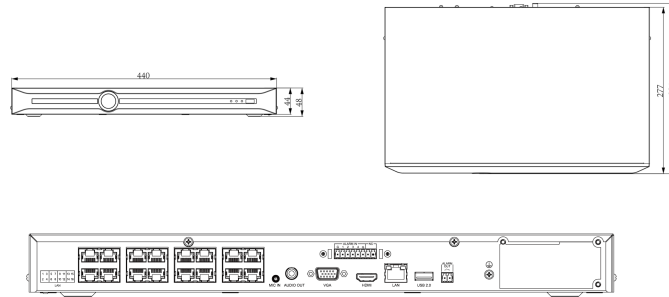
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Dimension Unit : mm



## ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENR-02016-N-VPK	16Ch Embedded AI Network Video Recorder with 2 HDD Bay Supports 4K Cameras, 16# PoE Ports, HDMI, VGA, Smart Analytics and ONVIF	1

## PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENR-02016-N-VPK	Carton Box	4.4	510x150x385