

# 16CH EMBEDDED NETWORK VIDEO RECORDER



## ENR-02016-N-OPK

### FEATURES

- 16 Channel Input
- 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

<b>MODEL</b>	Model No.	<b>ENR-02016-N-OPK</b>
	Type	16CH EMBEDDED NETWORK VIDEO RECORDER
<b>VIDEO &amp; AUDIO</b>	Video Input	16-Ch (Upgradable to 20 Channels)
	Incoming Bandwidth	160 Mbps
	Outgoing Bandwidth	64 Mbps
	HDMI /VGA Output	HDMI: 3840x2160, 2560x1440, 1920x1080, 1440x900, 1280x800, 1280x720, 1024x768 VGA: 1920x1080, 1440x900, 1280x800, 1280x720, 1024x768
	Audio I/O	1-Ch Input (3.5 mm) / 1-Ch Output (RCA)
	Two-way Audio	Supported
	Screen Split	1/2/3/4/5/6/7/8/9/10/12/13/16/20A/20B/20C/20D/25
	Video Encryption	Supported
OSD Type	Title, Week, Date, Time, Text with different colors and adaptable sizes	
<b>DECODING</b>	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_DIV4
	Audio Bit Rate	8 kbps ~ 48 kbps
	Bit Rate Type	CBR, VBR
	Recording Resolution	8MP/6MP/5MP/4MP/3MP/1080P/UXGA/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 (10~600 sec)
	Fisheye Camera	N/A
	De-warping	N/A

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

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	Type	16CH EMBEDDED NETWORK VIDEO RECORDER
<b>MONITORING</b>	Preview Capability	2x8MP/2x6MP/3x5MP/4x4MP/5x3MP/8x1080P/16x720P
	Synchronous Playback	2x8MP/2x6MP/3x5MP/4x4MP/5x3MP/8x1080P/16x720P
	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, SATA burner
	Export Picture Format	JPG
	Export Video Format	MP4, SDV, AVI
	Download from Edge storage	MP4, SDV, AVI
<b>INTERFACE</b>	Protocols	TCP/IP, UDP, IPv4, IPv6, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, RTCP, FTP, NFS, PPPoE, NTP, UPnP, SMTP, IGMP, Multicast, ARP, SNMP, SSL, P2P, TLS1.2
	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>	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 R/W 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	14
	Power	100~240V AC, 50~60 Hz
	Redundant Power	N/A
	Power Consumption (without HDD)	≤10 W
	Working Environment	-10 °C ~ 55 °C
	Humidity	10% ~ 90% RH
	Chassis	1U
Dimension	440x277x48 mm	
Net Weight	3.0 kg	

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**ENR-02016-N-OPK**

Dimension Unit : mm



## ORDERING INFORMATION

Part Number	Description	Standard Quantity
ENR-02016-N-OPK	16Ch Embedded Network Video Recorder With 2 HDD Bays Supports 16# PoE Ports, HDMI, VGA and ONVIF	1

## PACKING INFORMATION

Part Number	Packing Mode	Gross weight(Kg)	Dimension(mm)
ENR-02016-N-OPK	Carton Box	4.3	510x150x285