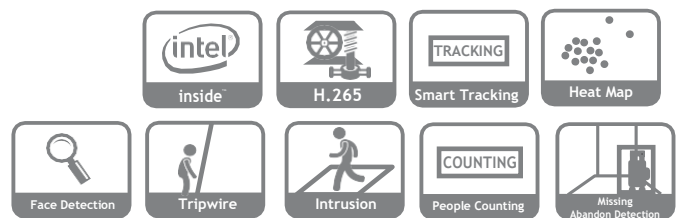


# KX-EW4K816128ZN2

## 128 Channel 4K H.265 Network Video Recorder



- Intel Processor
- Max 128 IP Camera Inputs
- Max 384Mbps Incoming Bandwidth
- Up to 12MP Resolution for Preview and Playback
- Supports RAID 0/1/5/6/10/50/60
- iSCSI and Mini SAS for Expanded Storage Space
- Smart Tracking and Intelligent Video



### Technical Specification

#### System

Main Processor	Intel Quad-core Processor
Operating System	Embedded LINUX

#### Audio and Video

IP Camera Input	128 Channel
Two-way Talk	1 Channel Input, 1 Channel Output, RCA

#### Display

Interface	2 HDMI 4K (3840 x 2160), 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

#### 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, MD (Motion Detection), Alarm, IVS), Holiday, Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

#### 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 Tampering
Alarm input	16 Channel, Low Level Effective, Green Terminal Interface
Relay Output	8 Channel, NO/NC Programmable, Green Terminal Interface
Tracking Trigger Event	Zoom, Tracking, Recording, Preset, Snapshot, Alar 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, Fastplay, Slow Play, Nex File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network/eSATA Device

#### Third-party Support

Third-party Support	Arecont Vision, AXIS, Bosch, Brickcom, Canon, CPPlus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
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### 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, HTTPs, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Alarm Server, IP Search (Support 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

### Storage

Internal HDD	16 SATA III Ports, Up to 8 TB capacity for each HDD
HDD Mode	Single, Raid 0/1/5/6/10 (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	Support 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

### Electrical

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	3U, 485mm x 512.9mm x 133.2mm (19.1" x 20.2" x 5.2")
Net Weight	17.6kg (38.8 lb) (without HDD)
Gross Weight	27kg (59.5 lb)
Installation	Rack-mounted

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Dimensions (mm/inch)

