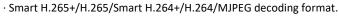


KX-CAi4K8216EN2

16CH 1U 2HDDs Network Video Recorder

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- · Access, storage or forwarding at 256 Mbps (180 Mbps when AI function enabled).
- · Max. decoding capability: 16 × 1080p@30 fps. Supports adaptive decoding.
- · Al by NVR: 1-channel face detection and recognition; 2-channel perimeter protection; up to 10 face databases and 20,000 face images; 4-channel SMD Plus.
- \cdot Al by Camera: Face detection and recognition, perimeter protection; SMD Plus; people counting; stereo analysis; heat map.
- \cdot Connected to the third-party network cameras.
- · Security baseline 2.3.



















System		
Main Processor	Industrial-grade processor	
Operating System	Embedded Linux	
Operating Interface	Web; Local GUI	
Al		
Al by Recorder	Face detection, face recognition, perimeter protection, and \ensuremath{SMD} Plus	
AI by Camera	Face detection; face recognition; perimeter protection; SMD Plus; people counting; stereo analysis; heat map	
Perimeter Protection		
Perimeter Performance AI by Recorder (Number of Channels)	2 channels, 10 IVS rules for each channel	
Perimeter Performance of AI by Camera (Number of Channels)	8 channels	
Face Detection		

Face Detection Performance of AI by Recorder (Number of Channels)	1 channel (up to 12 face images/s each channel)	
Face Detection Performance of AI by Camera (Number of Channels)	8 channels	
Face Recognition		
Face Database Capacity	Up to 10 face databases with 20,000 images, with a total capacity of 2.5 G. Name, gender, birthday, address, credential type, credential No., countries & regions and state can be added to each face image.	
Face Recognition Performance of AI by	8-channel FD (by camera) + FR (by recorder),image stream: 12 face images/s	

Gender; age group; glasses; expressions; face mask; beard

Face Attributes

Recorder (Number of Channels)	1-channel FD (by recorder) + FR (by recorder), video stream: 12 face images/s	
Face Recognition Performance of AI by Camera (Number of Channels)	8 channels	
SMD Plus		
SMD Plus by Recorder	4 channels: Secondary filtering for human and motor vehicle, reducing false alarms caused by leaves, rain and lighting condition change	
SMD Plus by Camera	8 channels	
Audio and Video		
Access Channel	16 channels	
Network Bandwidth	Al disabled: 256 Mbps incoming, 256 Mbps recording and 256 Mbps outgoing Al enabled: 180 Mbps incoming, 180 Mbps recording and 180 Mbps outgoing	
Resolution	16 MP; 12 MP; 8 MP; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 960p; 720p; D1; CIF	
Decoding Capability	Al disabled: 2-channel 16 MP@30 fps; 2-channel 12 MP@30 fps; 4-channel 8 MP@30 fps; 6-channel 5 MP@30 fps; 8-channel 4 MP@30 fps; 16-channel 1080p@30 fps Al enabled: 1-channel 16 MP@30 fps; 2-channel 12 MP@30 fps; 3-channel 8 MP@30 fps; 4-channel 5 MP@30 fps; 6-channel 4 MP@30 fps; 12-channel 1080p@30 fps	
Video Output	1 HDMI, 1 VGA HDMI: 3840×2160 , 1920×1080 , 1280×1024 , 1280×720 VGA: 1920×1080 , 1280×1024 , 1280×720 *Simultaneous/heterogeneous video sources output for VGA and HDMI is configurable.	
Multi-screen Display	1st Screen: 1/4/8/9/16 2nd Screen: 1/4/8/9/16	
Third-party Camera Access	Panasonic, Sony, Samsung, Axis, Pelco, Arecont, ONVIF, Canon	
Compression Standard		
Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG	



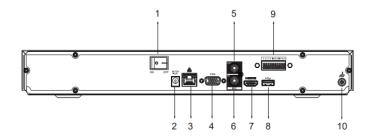
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Audio Compression	G.711a; G.711u; PCM; G726
Network	
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; UPnP; SNMP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; IP Search (Support KBVISION IP camera; DVR; NVS; etc.); P2P; auto register
Mobile Phone Access	iOS; Android
Interoperability	ONVIF 22.06(Profile T; Profile S; Profile G); CGI; SDK
Browser	Chrome; IE9 and later; Firefox
Recording Playback	
Multi-channel Playback	Up to 16 channels
Record Mode	General, motion detection; intelligent; alarm
Backup Method	USB device and network
Playback Mode	Instant playback, general playback, event playback, tag playback, smart playback
Storage	
Disk Group	Yes
Alarm	
General Alarm	Motion detection; privacy masking; video loss; scene changing; PIR alarm; IPC external alarm
Anomaly Alarm	Camera disconnection; storage error; disk full; IP conflict; MAC conflict; login locked; and cybersecurity exception
Intelligent Alarm	Face detection; face recognition; perimeter protection; SMD Plus; people counting; stereo analysis; heat map
Alarm Linkage	Record; snapshot; IPC external alarm output; audio; buzzer; log; preset; email
Port	
Audio Input	1-channel RCA
Audio Output	1-channel RCA
Alarm Input	4 channels
Alarm Output	2 channels
HDD Interface	2 SATA ports, up to 16 TB.The maximum HDD capacity varies with environment temperature.
USB	2 (1 front USB 2.0 port, 1 rear USB 2.0 port)

HDMI	1	
VGA	1	
Network Port	1 (10/100/1000 Mbps Ethernet port, RJ-45)	
General		
Power Supply	12 VDC, 4 A	
Power Consumption	<10 W(without HDD)	
Net Weight	1.51 kg (3.33 lb)	
Gross Weight	2.76 kg (6.08 lb)	
Product Dimensions	375 mm \times 284.3 mm \times 53 mm (14.76" \times 11.19" \times 2.09") (W \times L \times H)	
Packaging Dimensions	433 mm \times 141 mm \times 366 mm (17.05" \times 5.55" \times 14.41") (W \times L \times H)	
Operating Temperature	-10 °C to +55 °C (14 °F to +131 °F)	
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F)	
Operating Humidity	10%-93% (RH)	
Installation	Rack or desktop	
Panels		



- 1 Power Switch
- 2 Power Input
- 3 Network Port
- 4 VGA Port
- 5 AUDIO OUT, RCA Conne
- 6 AUDIO IN, RCA Connector
- 7 HDMI Port
- 8 USB Port
- 9 Alarm In/Out
- 10 Ground