KBVISION

KX-F128FR-2C

2U 8HDD Intelligent Video Surveillance Server

Design and specifications are subject to change without notice. Pictures in the document are for reference only, and the actual product shall prevail.



- \cdot Industry embedded micro-controller
- \cdot Max 400Mbps incoming bandwidth
- · 128-channel IP video access
- \cdot Up to 32-channel perimeter protection
- \cdot Up to 16-channel face recognition with normal IPC
- \cdot Up to 40-channel face recognition with face detection IPC
- · Up to 8-channel video metadata
- \cdot Up to 50 face databases with 300,000 face pictures in total
- · Supports RAID 0/1/5/6/10
- · 3 HDMI/2 VGA video output



Custom:	
System	
Main Processor	Industry embedded micro-controller
Operating System	Embedded Linux OS
Operation Interface	WEB (PCAPP), local GUI
AI Applications	
Al by Camera	Supports Al by camera function: Human face detection, human face recognition, video metadata (human/vehicle/non-motorized vehicle), perimeter protection
Al by Device	Supports AI by IVSS function: Human face detection, human face recognition, video metadata (human/vehicle/non-motorized vehicle), perimeter protection
Perimeter Protection	
Perimeter Function (AI by Device)	32-channel
Perimeter Function (AI by camera)	64-channel
Human Face Detection	
Human Face Properties	Supports 6 properties: Gender, age range (6 levels), glasses, expression (8 types), mouth mask, and bear
Face Detection Performance (AI by Device) (1080P) (Channel Number)	16-channel
Face Detection Performance (AI by camera) (Channel Number)	40-channel
Human Face Recognition	
Face Database Capacity	50 face databases with 300,000 face pictures in total
Human Face Recognition Performance (AI by Device) (1080P) (Channel Number)	16-channel with normal IP camera 40-channel with face detection IP camera (Totally 40 face pictures analyzed per second)
Human Face Recognition Performance (AI by camera) (Channel Number)	40-channel

ANPR		
Plate Database Capacity	50 plate databases with 300,000 plate numbers in total Supports black list/white list	
Plate Detection Performance by ITC Camera (Channel Number)	32-channel	
Video Metadata		
Human Body Properties	Top color, top type, bottom color, bottom type, cap, bag, age, gender, and umbrella	
Vehicle Properties	Supports 9 properties: Plate, plate color, vehicle body, vehicle brand, driver calling, seatbelt status, decoration object in the vehicle, and vehicle registration place	
Non-motorized Vehicle Properties	Supports 4 properties: Vehicle type, vehicle color, people amount, and helmet	
Metadata Performance (Al by Device) (1080P) (Channel Number)	8-channel	
Metadata Performance (Al by camera) (Channel Number)	32-channel	
Video Parameters		
Remote Connection	128-channel	
Network Bandwidth	Incoming bandwidth: 400Mbps recording bandwidth: 320Mbps outgoing bandwidth: 96Mbps	
Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/ 1080P/960P/720P/D1/CIF/QCIF	
Decoding Capability	5-channel 12MP (20fps)/6-channel 12MP (15fps)/ 5-channel 8MP (30fps)/10-channel 8MP (15fps)/ 6-channel 6MP (30fps)/ 8-channel 5MP (30fps)/9-channel 5MP (25fps)/ 10-channel 4MP (30fps)/15-channel 4MP (20fps)/ 16-channel 3MP (25fps)/ 10-channel 1080P (60fps)/20-channel 1080P (30fps)/ 30-channel 720P (30fps)	

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Video Output	2-channel VGA output, 3-channel HDMI output, VGA 1/HDMI 1 outputs the same video source. VGA2/HDMI2 outputs the same video source. Supports 4K output
Multi-screen Display	Customized display Max. 36-channel local live view Max.16-channel PCAPP live view
Third-party Support	Onvif, RTSP, Sony, Panasonic, Axis, Arecont, Pelco, Canon, Samsung
Operating System	Embedded Linux OS
Operation Interface	WEB(PCAPP), local GUI
Compression	
Video Compression	Smart H.265+/Smart H.264+/H.265/H.264
Audio Compression	G.711A/G.711U/PCM/G726
Network	
Protocol	HTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS, P2P
Mobile Phone	KBView, KBView Plus
Interoperability	ONVIF (Profile S, T and G), CGI, SDK
Browser	Chrome, PCAPP, IE9 or higher, Firefox
Network Mode	NIC binding mode such as multiple-address mode, load balance, fault-tolerance, etc
Record Playback	
Multiple-channel Playback	Max. 16-channel playback
Record Search	Search video detection/manual record/IO alarm/intelligent event/all record file
Storage Medium	Internal HDD, SAS disk array enclosure
Backup Method	HDD, peripheral USB storage device
Playback Function	Play, pause, stop, fast forward, fast backward, reverse play, frame by frame play Full-screen, backup (clip/file), snapshot, digital zoom, audio on/off
Storage	
HDD Group	12
RAID	RAID 0/1/5/6/10
Storage Pool	N/A
Alarm	
General Alarm	Motion detect, tampering, local alarm
Anomaly Alarm	IPC offline alarm, storage error, HDD full, IP conflict, MAC conflict, login lock, AI module temperature alarm, AI module offline, fan malfunction
Intelligent Alarm	Human face detection, human face recognition, video metadata (person/vehicle/non-motorized vehicle), perimeter protection (intrusion, tripwire), plate recognition
Alarm Linkage	Record, snapshot (full image), local external alarm output, IPC external alarm output, access & control, audio prompt, buzzer, log, preset, email

Audio Input1-channel, RCA port (reserved)Audio Output2-channel, RCA port (reserved), speaker output, audio linkage outputAlarm Input16-channelAlarm Output8-channelAlarm Output8 slots, SATA3.0. Max.10T/HDDeSATA1 port (reserved)SASN/ARS-2321 port, for debug or transparent COM dataRS-4851 port, control peripheral PTZ and so on Supports various protocolsUSB4 ports 2 USB2.0 port at the front panel and 2 USB3.0 port at 2 USB2.0 port at the front panel and 2 USB3.0 port at 2 portsNetwork2 portsNetwork1 portPower1 portPower Consumption1 portPower Consumption300 AC-2400 AC 50±2%HzPower Consumption430W (Without HDD, idling)Net Weight5.5 kg (18.85 lb)Gross Weight10.9 kg (24.03 lb)Dimensions (W × L × H)With Packaging: 5.2 mm × 346.2 mm × 89 mm (17.3 1 * 17.5 7 * x 3.5 0 ") NMX. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 * x 17.57 * x 3.57 *) Protection box: 491 mm × 584 mm × 631 mm (19.3 3 * x 22.99 * x 24.84 *)Operating Conditions0 °C to +40 °C (+32 °F to +101 °F)/30%RH-85% RH Operating AltitudeDiscaliption ModeDesktop/rack	Peripheral Interface	
Addio Outputaudio linkage outputAlarm Input16-channelAlarm Output8-channelInternal HDD8 slots, SATA3.0. Max.10T/HDDeSATA1 port (reserved)SASN/ARS-2321 port, for debug or transparent COM dataRS-4851 port, control peripheral PTZ and so on Supports various protocolsUSB2 USB2.0 port at the front panel and 2 USB3.0 port at the rear panelHDMI3 ports. 4K outputVGA2 portsNetwork4 RJ-45 10/100/1000Mbps self-adaptive Ethernet portsPower1 portPower Supply100V AC-240V AC 50±2%HzPower Consumption43W (Without HDD, idling)Net Weight8.55 kg (18.85 lb)Gross Weight10.9 kg (24.03 lb)Dimensions (W × L × H)Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " x 17.57 " x 3.50 ") Max. size: 481.7 mm (with hanger) x 446.2 mm × 90.8 mm (with feet mat) (18.96 " x 17.57 " x 3.57 ")Packaging Dimensions (W × L × H)0"ct to +45 °C (+32 °F to +113 °F)/10%RH-90% RH 50.00 m (16404.20 ft)Operating Altitude0 °C to +40 °C (+32 °F to +104 °F)/30%RH-85% RH	Audio Input	1-channel, RCA port (reserved)
Alarm Output8-channelInternal HDD8 slots, SATA3.0. Max.10T/HDDeSATA1 port (reserved)SASN/ARS-2321 port, for debug or transparent COM dataRS-4851 port, control peripheral PTZ and so on Supports various protocolsUSB4 ports 2 USB2.0 port at the front panel and 2 USB3.0 port at the rear panelHDMI3 ports. 4K outputVGA2 portsNetwork4 RI-45 10/100/1000Mbps self-adaptive Ethernet portsPower1 portPower1 portPower Supply100V AC-240V AC 50±2%HzPower Consumption43W (Without HDD, idling)Net Weight8.55 kg (18.85 lb)Gross Weight10.9 kg (24.03 lb)Dimensions (W× L × H)Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ")Packaging Dimensions (W× L × H)0° C to +45 °C (+32 °F to +113 °F)/10%RH-90% RH Storage Conditions0 °C to +40 °C (+32 °F to +113 °F)/10%RH-90% RH S000 m (16404.20 ft)	Audio Output	
Internal HDD8 slots, SATA3.0. Max.10T/HDDeSATA1 port (reserved)SASN/ARS-2321 port, for debug or transparent COM dataRS-4851 port, control peripheral PTZ and so on Supports various protocolsUSB4 ports 2 USB2.0 port at the front panel and 2 USB3.0 port at the rear panelHDMI3 ports. 4K outputVGA2 portsNetwork4RI-45 10/100/1000Mbps self-adaptive Ethernet portsPower1 portPower1 portPower Supply100V AC-240V AC 50±2%HzPower Consumption43W (Without HDD, idling)Net Weight8.55 kg (18.85 lb)Gross Weight10.9 kg (24.03 lb)Dimensions (W × L × H)Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") With Packaging: 562 mm × 599 mm × 235 mm (21.31 " × 31.58 " × 9.25 ") Protection box: 491 mm × 584 mm × 631 mm (19.33 " × 22.99 " × 24.84 ")Operating Conditions0 °C to +45 °C (+32 °F to +113 °F)/10% RH-90% RH Storage ConditionsOperating Altitude5000 m (16404.20 th)	Alarm Input	16-channel
eSATA 1 port (reserved) SAS N/A RS-232 1 port, for debug or transparent COM data RS-485 1 port, control peripheral PTZ and so on Supports various protocols USB 4 ports 2 USB2.0 port at the front panel and 2 USB3.0 port at the rear panel HDMI 3 ports. 4K output VGA 2 ports Network 4 RJ-45 10/100/1000Mbps self-adaptive Ethernet ports Power 1 port Power 1 port Power Supply 100V AC-240V AC 50±2%Hz Power Consumption 43W (Without HDD, idling) Net Weight 8.55 kg (18.85 lb) Gross Weight 10.9 kg (24.03 lb) Dimensions (W × L × H) With Packaging: 562 mm × 46.2 mm × 89 mm (17.31 " x 17.57 " x 3.50 ") Max. size: 481.7 mm (with hanger] × 44.6.2 mm × 90.8 mm (with feet mat) (18.96 " x 17.57 " x 3.57 ") Packaging Dimensions (W × L × H) With Packaging: 562 mm × 599 mm × 235 mm (22.13 " x 23.58 " x 9.25 ") Operating Conditions 0 °C to +45 °C (+32 °F to +113 °F)/10% RH–90% RH Storage Conditions 0 °C to +40 °C (+32 °F to +113 °F)/10% RH–90% RH Operating Altitude 500 m (16404.20 ft)	Alarm Output	8-channel
SASN/ASASN/ARS-2321 port, for debug or transparent COM dataRS-4851 port, control peripheral PTZ and so on Supports various protocolsUSB4 ports 2 USB2.0 port at the front panel and 2 USB3.0 port at the rear panelHDMI3 ports. 4K outputVGA2 portsNetwork4 RI-45 10/100/1000Mbps self-adaptive Ethernet portsPower1 portPoEN/AGeneral ParametersPower Consumption43W (Without HDD, idling)Net Weight8.55 kg (18.85 lb)Gross Weight10.9 kg (24.03 lb)Dimensions (W × L × H)Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ")Packaging Dimensions (W × L × H)0 °C to +45 °C (+32 °F to +113 °F)/10% RH-90% RH 19.33 " × 22.99 " × 24.84 ")Operating Conditions0 °C to +40 °C (+32 °F to +104 °F)/30% RH-85% RH 0 °C to r40 °C (+32 °F to +104 °F)/30% RH-85% RH	Internal HDD	8 slots, SATA3.0. Max.10T/HDD
RS-2321 port, for debug or transparent COM dataRS-2321 port, control peripheral PTZ and so on Supports various protocolsRS-4851 port, control peripheral PTZ and so on Supports various protocolsUSB4 ports 2 USB2.0 port at the front panel and 2 USB3.0 port at the rear panelHDMI3 ports. 4K outputVGA2 portsNetwork4 RJ-45 10/100/1000Mbps self-adaptive Ethernet portsPower1 portPoEN/AGeneral ParametersPower Supply100V AC-240V AC 50±2%HzPower Consumption43W (Without HDD, idling)Net Weight8.55 kg (18.85 lb)Gross Weight10.9 kg (24.03 lb)Dimensions (W × L × H)With Packaging: 562 mm × 39.05 mm (Y3.1" × 17.57" × 3.50") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96" × 17.57" × 3.57")Packaging Dimensions (W × L × H)With Packaging: 562 mm × 599 mm × 235 mm (21.3" × 23.58" × 9.25") Protection box: 491 mm × 584 mm × 631 mm (19.33" × 22.99" × 24.84 ")Operating Conditions0 °C to +40 °C (+32 °F to +113 °F)/10%RH-90% RH Storage ConditionsO °C to +40 °C (+32 °F to +104 °F)/30%RH-85% RH Operating Altitude5000 m (16404.20 ft)	eSATA	1 port (reserved)
RS-4851 port, control peripheral PTZ and so on Supports various protocolsUSB4 ports 2 USB2.0 port at the front panel and 2 USB3.0 port at the rear panelHDMI3 ports. 4K outputVGA2 portsNetwork4 RJ-45 10/100/1000Mbps self-adaptive Ethernet portsPower1 portPoEN/AGeneral ParametersPower Supply100V AC-240V AC 50±2%HzPower Consumption43W (Without HDD, idling)Net Weight8.55 kg (18.85 lb)Gross Weight10.9 kg (24.03 lb)Dimensions (W × L × H)With Packaging: 562 mm × 599 mm × 235 mm (17.31 " × 23.58 " × 9.25 ") Protection box: 491 mm × 584 mm × 631 mm (19.33 " × 22.99 " × 24.84 ")Operating Conditions0 °C to +40 °C (+32 °F to +104 °F)/30%RH-85% RH S000 m (16404.20 ft)	SAS	N/A
RS-485Supports various protocolsUSB4 ports 2 USB2.0 port at the front panel and 2 USB3.0 port at the rear panelHDMI3 ports. 4K outputVGA2 portsNetwork4 RJ-45 10/100/1000Mbps self-adaptive Ethernet portsPower1 portPoEN/ACeneral ParametersPower Consumption43W (Without HDD, idling)Net Weight8.55 kg (18.85 lb)Gross Weight10.9 kg (24.03 lb)Dimensions (W × L × H)Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ")Packaging Dimensions (W × L × H)With Packaging: 562 mm × 599 mm × 235 mm (22.13 " × 23.58 " × 9.25 ") Protection box: 491 mm × 584 mm × 631 mm (19.33 " × 22.99 " × 24.84 ")Operating Conditions0 °C to +40 °C (+32 °F to +113 °F)/10% RH–90% RH 5000 m (16404.20 ft)	RS-232	1 port, for debug or transparent COM data
USB2 USB2.0 port at the front panel and 2 USB3.0 port at the rear panelHDMI3 ports. 4K outputVGA2 portsNetwork4 RJ-45 10/100/1000Mbps self-adaptive Ethernet portsPower1 portPoteN/AGeneral ParametersPower Supply100V AC-240V AC 50±2%HzPower Consumption43W (Without HDD, idling)Net Weight8.55 kg (18.85 lb)Gross Weight10.9 kg (24.03 lb)Dimensions (W × L × H)Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ") Protection box: 491 mm × 584 mm × 631 mm (19.33 " × 22.99 " × 24.84 ")Operating Conditions0 °C to +40 °C (+32 °F to +110 °F)/10%RH–90% RH Storage Conditions	RS-485	
VGA 2 ports Network 4 RJ-45 10/100/1000Mbps self-adaptive Ethernet ports Power 1 port Power 1 port PoE N/A General Parameters Power Supply 100V AC-240V AC 50±2%Hz Power Consumption 43W (Without HDD, idling) Net Weight 8.55 kg (18.85 lb) Gross Weight 10.9 kg (24.03 lb) Dimensions Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × size: 481.7 mm (with hanger) × 446.2 m	USB	2 USB2.0 port at the front panel and 2 USB3.0 port at
Network 4 RJ-45 10/100/1000Mbps self-adaptive Ethernet ports Power 1 port PoE N/A General Parameters 100V AC-240V AC 50±2%Hz Power Supply 100V AC-240V AC 50±2%Hz Power Consumption 43W (Without HDD, idling) Net Weight 8.55 kg (18.85 lb) Gross Weight 10.9 kg (24.03 lb) Dimensions (W × L × H) Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ") Packaging Dimensions (W × L × H) With Packaging: 562 mm × 599 mm × 235 mm (22.13 " × 23.58 " × 9.25 ") Protection box: 491 mm × 584 mm × 631 mm (19.33 " × 22.99 " × 24.84 ") Operating Conditions 0 °C to +45 °C (+32 °F to +113 °F)/10%RH–90% RH Storage Conditions 0 °C to +40 °C (+32 °F to +113 °F)/10%RH–85% RH Operating Altitude 5000 m (16404.20 ft)	HDMI	3 ports. 4K output
NetworkportsPower1 portPoEN/AGeneral ParametersPower Supply100V AC-240V AC 50±2%HzPower Consumption43W (Without HDD, idling)Net Weight8.55 kg (18.85 lb)Gross Weight10.9 kg (24.03 lb)Dimensions (W × L × H)Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ")Packaging Dimensions (W × L × H)With Packaging: 562 mm × 599 mm × 235 mm (22.13 " × 23.58 " × 9.25 ") Protection box: 491 mm × 584 mm × 631 mm (19.33 " × 22.99 " × 24.84 ")Operating Conditions0 °C to +45 °C (+32 °F to +113 °F)/10%RH-90% RH 5000 m (16404.20 ft)	VGA	2 ports
PoE N/A General Parameters Vision Power Supply 100V AC-240V AC 50±2%Hz Power Consumption 43W (Without HDD, idling) Net Weight 8.55 kg (18.85 lb) Gross Weight 10.9 kg (24.03 lb) Dimensions (W × L × H) Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ") Packaging Dimensions (W × L × H) With Packaging: 562 mm × 599 mm × 235 mm (22.13 " × 23.58 " × 9.25 ") Protection box: 491 mm × 584 mm × 631 mm (19.33 " × 22.99 " × 24.84 ") Operating Conditions 0 °C to +45 °C (+32 °F to +113 °F)/10%RH–90% RH Storage Conditions 0 °C to +40 °C (+32 °F to +104 °F)/30%RH–85% RH Operating Altitude 5000 m (16404.20 ft)	Network	
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Power Supply 100V AC-240V AC 50±2%Hz Power Consumption 43W (Without HDD, idling) Net Weight 8.55 kg (18.85 lb) Gross Weight 10.9 kg (24.03 lb) Dimensions Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ") Packaging Dimensions (W × L × H) With Packaging: 562 mm × 599 mm × 235 mm (22.13 " × 23.58 " × 9.25 ") Protection box: 491 mm × 584 mm × 631 mm (19.33 " × 22.99 " × 24.84 ") Operating Conditions 0 °C to +45 °C (+32 °F to +113 °F)/10%RH–90% RH Storage Conditions 0 °C to +40 °C (+32 °F to +104 °F)/30%RH–85% RH Operating Altitude 5000 m (16404.20 ft)	PoE	N/A
Power Consumption 43W (Without HDD, idling) Net Weight 8.55 kg (18.85 lb) Gross Weight 10.9 kg (24.03 lb) Dimensions Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ") Packaging Dimensions (W × L × H) With Packaging: 562 mm × 599 mm × 235 mm (22.13 " × 23.58 " × 9.25 ") Protection box: 491 mm × 584 mm × 631 mm (19.33 " × 22.99 " × 24.84 ") Operating Conditions 0 °C to +45 °C (+32 °F to +113 °F)/10%RH–90% RH Storage Conditions 0 °C to +40 °C (+32 °F to +104 °F)/30%RH–85% RH Operating Altitude 5000 m (16404.20 ft)	General Parameters	
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Gross Weight 10.9 kg (24.03 lb) Dimensions Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ") Packaging Dimensions (W × L × H) With Packaging: 562 mm × 599 mm × 235 mm (22.13 " × 23.58 " × 9.25 ") Protection box: 491 mm × 584 mm × 631 mm (19.33 " × 22.99 " × 24.84 ") Operating Conditions 0 °C to +45 °C (+32 °F to +113 °F)/10%RH–90% RH Storage Conditions 0 °C to +40 °C (+32 °F to +104 °F)/30%RH–85% RH Operating Altitude 5000 m (16404.20 ft)	Power Consumption	43W (Without HDD, idling)
Dimensions Chassis: 439.7 mm × 446.2 mm × 89 mm (17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ") Packaging Dimensions With Packaging: 562 mm × 599 mm × 235 mm (W × L × H) Protection box: 491 mm × 584 mm × 631 mm (9.3 " × 22.99 " × 24.84 ") Operating Conditions 0 °C to +45 °C (+32 °F to +113 °F)/10% RH–90% RH Storage Conditions 0 °C to +40 °C (+32 °F to +104 °F)/30% RH–85% RH Operating Altitude 5000 m (16404.20 ft)	Net Weight	8.55 kg (18.85 lb)
Dimensions (W × L × H) $(17.31 " × 17.57 " × 3.50 ")$ Max. size: 481.7 mm (with hanger) × 446.2 mm × 90.8 mm (with feet mat) (18.96 " × 17.57 " × 3.57 ")Packaging Dimensions (W × L × H)With Packaging: 562 mm × 599 mm × 235 mm (22.13 " × 23.58 " × 9.25 ") Protection box: 491 mm × 584 mm × 631 mm (19.33 " × 22.99 " × 24.84 ")Operating Conditions0 °C to +45 °C (+32 °F to +113 °F)/10%RH–90% RHStorage Conditions0 °C to +40 °C (+32 °F to +104 °F)/30%RH–85% RHOperating Altitude5000 m (16404.20 ft)	Gross Weight	10.9 kg (24.03 lb)
Packaging Dimensions $(22.13 " \times 23.58 " \times 9.25 ")$ $(W \times L \times H)$ Protection box: 491 mm × 584 mm × 631 mm $(19.33 " \times 22.99 " \times 24.84 ")$ Operating Conditions 0 °C to +45 °C (+32 °F to +113 °F)/10%RH–90% RH Storage Conditions 0 °C to +40 °C (+32 °F to +104 °F)/30%RH–85% RH Operating Altitude 5000 m (16404.20 ft)		(17.31 " × 17.57 " × 3.50 ") Max. size: 481.7 mm (with hanger) × 446.2 mm ×
Storage Conditions 0 °C to +40 °C (+32 °F to +104 °F)/30%RH-85% RH Operating Altitude 5000 m (16404.20 ft)		(22.13 " × 23.58 " × 9.25 ") Protection box: 491 mm × 584 mm × 631 mm
Operating Altitude 5000 m (16404.20 ft)	Operating Conditions	0 °C to +45 °C (+32 °F to +113 °F)/10%RH–90% RH
	Storage Conditions	0 °C to +40 °C (+32 °F to +104 °F)/30%RH-85% RH
Installation Mode Desktop/rack	Operating Altitude	5000 m (16404.20 ft)
	Installation Mode	Desktop/rack

KBVISION

KX-F128FR-2C

2U 8HDD Intelligent Video Surveillance Server

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