KX-HDVREC272R62

48-bay Embedded Video Storage

- Standard dual controller for hardware.
- 64-bit High-performance multi-core processor.
- Max 512-ch IP camera inputs.
- Max 1024 Mbps incoming/recording/forwarding bandwidth.
- 48 bays, SAS/SATA, Hot-Swap.
- Supports RAID 0/1/5/6/10/50/60,JBOD, global and private hot standby.
- Supports video stream/ Picture direct storage mode and IPSAN storage mode.
- Supports Automatic Network Replenishment (ANR).
- SAS cascade for expanded storage space.
- Modular and drawer-like design.
- 1+1 redundant 80PLUS platinum power supply.
- Connected to the third-party network cameras.

System	
Main Processor	64-bit high-performance multi-core processor
Operating System	Embedded Linux OS
Operating Interface	Web (PCAPP)
Controller	Dual controllers
Cache	16 GB by default (extendable to 64 GB)/controller
AI Applications	
AI by Camera	Face detection, face recognition, IVS (abandoned object, missing object, loitering, crowd gathering, parking, fence-crossing, fast moving, tripwire and intrusion), video metadata (human, vehicle, non-motor vehicle), vehicle recognition, people counting (fisheye or people counting camera required),face & body detection, crowd distribution, smart thermal (call detection, visible channel- smoking detection, thermal channel-smoking detection)
Camera Compatibility	
Thermal	Works with camera for fire alarm, temperature alarm, temperature difference alarm, hot spot, cold spot, smoking and calling
People Counting	Works with camera for tripwire people counting, regional people counting and queue people counting
Bullet-PTZ Smart Track	Works with camera for manual tracking, auto tracking, click positioning and select positioning
Fisheye Dewarp	Supports dewarping for fisheye cameras
Audio and Video	
Third-party Camera Access	Onvif, Onvifs, RTSP, Sony, Panasonic, Axis, Arecont, Pelco, Canon, Samsung, Hikvision, etc
Compression Standard	
Video Compression	Smart H.265+; H.265; Smart H.264+; H.264; MJPEG
Audio Compression	G.711A; G.711U; PCM; G726
Network	
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; iSCSI; FTP; SMB; NFS
Interoperability	ONVIF (Profile S); CGI; SDK
Browser	Chrome; PCAPP; IE9 or higher; Firefox
Network Mode	NIC binding mode such as multiple-address mode, load balance, fault-tolerance, link aggregation, etc
Recording Playback	
Multi-channel Playback	Web palyback, max. 16-channel playback
Record Mode	Auto record; manual record; search video detection; IO alarm; thermal imaging; intelligent event; all record file
Storage Method	Internal HDD and network disk
Backup Method	HDD, peripheral USB storage device
Playback Function	1. Play, pause, stop, fast forward, fast backward, reverse play, frame by frame 2. Full-screen, backup (clip; file), snapshot, digital zoom, audio on; off
Storage	
Video Direct Storage (Private Protocol)	Incoming: 512-channel (bandwidth: 1024 Mbps); Recording: 512-channel (bandwidth: 1024 Mbps) Outgoing: 512-channel (bandwidth: 1024 Mbps); Playback: 32-channel (bandwidth: 64 Mbps)
Video Direct Storage (Onvif)	Incoming: 512-channel (bandwidth: 1024 Mbps); Recording: 512-channel (bandwidth: 1024 Mbps) Outgoing: 512-channel (bandwidth: 1024 Mbps); Playback: 32-channel (bandwidth: 64 Mbps)
Video Direct Storage (Auto Register)	Incoming: 512-channel (bandwidth: 1024 Mbps); Recording: 512-channel (bandwidth: 1024 Mbps) Outgoing: 512-channel (bandwidth: 1024 Mbps); Playback: 32-channel (bandwidth: 64 Mbps)
Video Direct Storage (International Protocol)	Incoming: 512-channel (bandwidth: 1024 Mbps); Recording: 512-channel (bandwidth: 1024 Mbps) Outgoing: 512-channel (bandwidth: 1024 Mbps); Playback: 32-channel (bandwidth: 64 Mbps)

Picture Direct Storage	Incoming: 250-channel (550 KB/picture); Recording: 250-channel (550 KB/picture); Outgoing: 250-channel (550 KB/picture)
Disk Group	Yes
iSCSI	Supports client and Server
Network Disk	Supports client
RAID	RAID 0/1/5/6/10/50/60 (with enterprise-grade HDD)
Record Management	Supports record control (continuous, event-based, scheduled, scheduled & event-based).
Storage Pool	Yes
IPSAN	
IPSAN Performance	360-channel × 2 Mbps video stream writing and 24-channel × 2 Mbps video playback (I/O size of VMS is 64 KB)
Alarm	
General Alarm	Motion detect; tampering; IPC external alarm
Anomaly Alarm	IPC offline alarm; storage error; HDD full; video frame loss; SSD exception; IP conflict; MAC conflict; login lock; fan malfunction; no HDD; network security exception; power exception; disk health exception; RAID exception; storage pool exception; temperature alarm; share service
Alarm Linkage	Record; snapshot (full image); alarm uploading; remote device alarm output; camera audio; buzzer; log; preset; email, smart tracking and warning light. Disarming alarm linkage action by period or one-click sync disarm config with channels
Port	
HDD Interface	48 slots SATA; SAS Max.20 TB/HDD hot swapping CMR support enterprise-grade HDD
eSATA	1 × eSATA/controller
SAS	1 × SAS (up to 12 Gbps)/controller
RS-232	1 × DB9 /controller
USB	2 × USB3.0 and 2 × USB2.0/controller
HDMI	1 x HDMI/controller, only for debug
Network Port	1 x 1-GbE management port/controller; 4 × 1-GbE LAN ports/controller
Power	1+1 redundant power
Network Port Extension	4 × 1-GbE LAN ports/controller (optional) 2×10-GbE optical fiber ports/controller (optional)
General	
Power Supply	100-240 VAC 50-60 Hz
Power Consumption	<220 W (without HDD, idling) <700 W (all HDDs connected)
Fan	Intelligent speed regulation fan
Net Weight	36 kg (79.36 lb)
Gross Weight	75 kg (165.35 lb)
Product Dimensions	Chassis: 446 mm × 261.4 mm × 736.5 mm (17.56" × 10.33" × 29.00") (W × L × H) Max. size: 482.6 mm (with hanger) × 261.4 mm × 736.5 mm (19.00" × 10.33" × 29.00") (W × L × H) Height: 6U
Packaging Dimensions	With packaging: 682 mm × 957 mm × 795 mm (26.85" × 37.68" × 31.30") (W × L × H)
Operating Temperature	-45 °C to 79 °C
Storage Temperature	-20 °C to 70 °C
Operating Humidity	5%–90% (RH), non-condensing
Storage Humidity	5%–90% (RH), non-condensing
Operating Altitude	≤5000 m (16404.20 ft)
Installation	Standard 19 inch rack

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