KBVISION

KX-FDA320R24ZST

24-bay Embedded Video Storage



- 64-bit high-performance multi-core processor.
- Max 320-ch IP camera inputs.
- Max 800 Mbps incoming/recording/forwarding bandwidth.
- 24 bays, SATA, Hot-Swap.
- Supports RAID 0/1/5/6/10/50/60,Hot spare.
- Supports video stream direct storage mode and IPSAN storage mode.
- Supports N+M cluster.
- Supports Automatic Network Replenishment (ANR).
- Modular and drawer-like design.
- 1+1 redundant 80PLUS platinum power supply.

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Record ModeAuto record; manual record; search video detection; IO alarm; thermal imaging; intelligent event; all record fileStorage MethodInternal HDD and network diskBackup MethodHDD, peripheral USB storage devicePlayback Function1. Play, pause, stop, fast forward, fast backward, reverse play, frame by frame 2. Full-screen, backup (clip; file), snapshot, digital zoom, audio on; offStorageVideo Direct Storage (Private Protocol)Incoming: 320-channel (bandwidth: 800 Mbps); Recording: 320-channel (bandwidth: 800 Mbps); Outgoing: 320-channel (bandwidth: 800 Mbps)Video Direct Storage (Onvif)Incoming: 320-channel (bandwidth: 800 Mbps); Recording: 320-channel (bandwidth: 800 Mbps); Outgoing: 320-channel (bandwidth: 800 Mbps)Video Direct Storage (Auto Register)Incoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (InternationalIncoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (Auto Register)Incoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (InternationalIncoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (Auto Register)Incoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (Auto Register)Incoming: 320-channel (bandwidth: 600 Mbps); Recording: 320-channel (bandwidth: 800 Mbps); Outgoing: 320-channel (bandwidth: 800 Mbps);Video Direct Storage (InternationalIncoming: 320-channel (bandwidth: 600 Mbps); Recording: 320-channel (bandwidth: 800 Mbps); Outgoing: 320-channel (bandwidth: 600 Mbps)Video Direct Storage (InternationalIncoming: 320-channel (bandwidth: 600 Mbps); Recording: 320-channel (bandwidth: 800 Mbps); Outgoing: 320-channel (bandwidth: 600 Mbps)	Recording Playback		
Storage MethodInternal HDD and network diskBackup MethodHDD, peripheral USB storage devicePlayback Function1. Play, pause, stop, fast forward, fast backward, reverse play, frame by frame 2. Full-screen, backup (clip; file), snapshot, digital zoom, audio on; offStorageVideo Direct Storage (Private Protocol)Incoming: 320-channel (bandwidth: 800 Mbps); Recording: 320-channel (bandwidth: 800 Mbps); Outgoing: 320-channel (bandwidth: 800 Mbps)Video Direct Storage (Onvif)Incoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (Auto Register)Incoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (Auto Register)Incoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (InternationalIncoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (InternationalIncoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (Auto Register)Incoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (InternationalIncoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (International)Incoming: 320-channel (bandwidth: 64 Mbps) <td>Multi-channel Playback</td> <td>Max. 16-channel playback</td>	Multi-channel Playback	Max. 16-channel playback	
Backup MethodHDD, peripheral USB storage devicePlayback Function1. Play, pause, stop, fast forward, fast backward, reverse play, frame by frame 2. Full-screen, backup (clip; file), snapshot, digital zoom, audio on; offStorageVideo Direct Storage (Private Protocol)Incoming: 320-channel (bandwidth: 800 Mbps); Recording: 320-channel (bandwidth: 800 Mbps); Cutgoing: 320-channel (bandwidth: 800 Mbps); Playback: 32-channel (bandwidth: 64 Mbps)Video Direct Storage (Onvif)Incoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (Auto Register)Incoming: 320-channel (bandwidth: 64 Mbps)Video Direct Storage (International)Incoming: 320-channel (bandwidth: 64 Mbps)Video Direct Sto	Record Mode	Auto record; manual record; search video detection; IO alarm; thermal imaging; intelligent event; all record file	
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	Video Direct Storage (Auto Register)		
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KBVISION

KX-FDA320R24ZST

24-bay Embedded Video Storage

Picture Direct Storage	Incoming: 120-channel (550 KB/picture); Recording: 120-channel (550 KB/picture); Outgoing: 120-channel (550 KB/picture) Playback: 32-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	280-channel × 2 Mbps video stream writing and 24-channel × 2 Mbps video playback (I/O size of VMS is 64 KB) 400-channel × 2 Mbps video stream writing and 24-channel × 2 Mbps video playback (I/O size of VMS is 512 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	24 slots, SATA, Max.18 T/HDD hot swapping; CMR; support enterprise-grade HDD	
eSATA	1 port	
RS-232	1 port, for debug or COM data transmission	
USB	4 ports. 2 USB2.0 ports at the front panel and 2 USB3.0 ports at the rear panel	
HDMI	1 port, only for debug	
Network Port	4 RJ-45 10/100/1000 Mbps self-adaptive Ethernet ports. (gigabit electrica port); 1 RJ-45 10/100 Mbps self-adaptive Ethernet ports. (100 Mbps electrical port)	
Power	1+1 redundant power	
Network Port Extension	4 × 1-GbE LAN ports (optional); 2 × 10-GbE optical fiber ports (optional)	
General		
Power Supply	100-240 VAC 50-60 Hz	
Power Consumption	<100 W (without HDD, idling); <400 W (all HDDs connected)	
Fan	Intelligent speed regulation fan	
Net Weight	25.3 kg (55.78 lb)	
Gross Weight	42.4 kg (93.48 lb)	
Packaging Dimensions	With packaging: 687 mm × 962 mm × 576 mm (27.04" × 37.87" × 22.68") (W × L × H)	
Operating Temperature	0 °C to 45 °C (+32 °F to +113 °F)	
Operating Humidity	10%–80% (RH), non-condensing	
Operating Altitude	5000 m (16404.20 ft)	
Installation	Standard 19 inch rack	
Product Dimensions	Chassis: 446 mm × 175mm × 736.5 mm (17.56" × 6.89" × 29.00") (W × L × H) Max. size: 482.6 mm (with hanger) × 175 mm × 736.5 mm (19.00" × 6.89" × 29.00") (W × L × H)	



