NVR-6032K
32 Channel 2U Network Video Recorder

IC REALTIME

- Intel embedded processor

- H.265/H.264/MJPEG support

- Up to 12MP Resolution for Preview and Playback

- Supports up to 4K Display and, dual HDMI output

- Supports RAID 0/1/5/6/10

- Dual 10/100/1000 Ethernet ports

- 8 SATA III Ports, Up to 8TB capacity for each HDD, 1 eSATA

System Overview

IC Realtime's next generation network video recorder, the NVR-6032K, offers unparalleled recording technology for IP video surveillance applications where details are critical for identification. This enterprise-level NVR provides a powerful Intel processor with up to 4K resolution as well as dual independent HDMI output, dual network ports, Raid 0/1/5/6/10 support and up to 64TB of storage space.

Additionally, the NVR features a mouse shortcut operation menu, remote management and control, center, edge and backup storage. This 32 channel NVR is ideal for sites that demand expansion flexibility, high reliability and centralized storage management. This rack mountable NVR features an open architecture that supports multi-user access and is ONVIF 2.4 compliant, allowing compatibility with numerous third-party devices making it the perfect solution for surveillance systems with or without a video management system (VMS).

Functions

RAID 0/1/5/6/10
Offering a balance between storage performance, storage capacity, and data integrity, the NVR features RAID 0/1/5/6/10 for faster and safer recording.

N+M Hot Standby
The highly reliable redundant N+M Hot Standby design provides a secure, failover technique ensuring immediate backup. In the event of a system failure, the slave instantly takes over the master ensuring no data is lost.

Intelligent Video System (IVS)
With built-in intelligent video analytics, the NVR has the ability to detect and analyze moving objects for improved video surveillance. The NVR supports optional standard intelligence allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a predetermined line has been crossed, People Counting, ideal for business intelligence, and Facial Detection, for searching or identification of individuals.

4K Resolution
4K resolution is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

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Technical Specification

System

Main Processor	Dual-core embedded processor
Operating System	Embedded LINUX

Video

Max IP Channels	32 Channel

Audio

Two-way Talk	1 Channel Input, 1 Channel Output, RCA

Display

Interface	2 HDMI, 1 VGA
Resolution	3840 × 2160 , 1920 × 1080 , 1280 × 1024, 1280 × 720 , 1024 × 768
Display Split	1st Screen: 1/4/8/9/16/25/36 2nd Screen: 1/4/8/9/16
Decoding Capacity	32 x 3 MP Cameras at 8Mbps
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Intelligence

IVS	Heat Map, Tripwire and Intrusion, Missing, and Abandon object
Advanced IVS	People Counting

Recording

Video/Audio Compression	H.265/H.264/MJPEG
Image 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 & 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 × 18), Video Loss and Tampering
Alarm Input	16 Channel, Low Level Effective, Green Terminal Interface
Alarm Output	8 Channel, NO/NC Programmable, Green Terminal Interface

Playback & Backup

Playback Rate	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 Functions	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network/eSATA Device

Network

Network Interface	2 RJ-45 Ports (10/100/1000Mbps)
Ethernet Port Functions	2 Ethernet Ports Jointly Working or 2 Independent (multi- address)
PoE	N/A
Network Functions	HTTP, HTTPs, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm Server, IP Search
Max. User Access	128 users
Smart Phone	Android, iOS, iPhone
Interoperability	ONVIF 2.4, CGI Conformant

Storage

Internal HDD	8 SATA III Ports, Up to 8 TB capacity for each HDD
RAID Functions	Single, Raid 0/1/5/6/10 (Enterprise-level HDDs are recommended) Supports Global HDD Hot-spare
eSATA	1 eSATA
External HDD	N/A

Auxiliary Interface

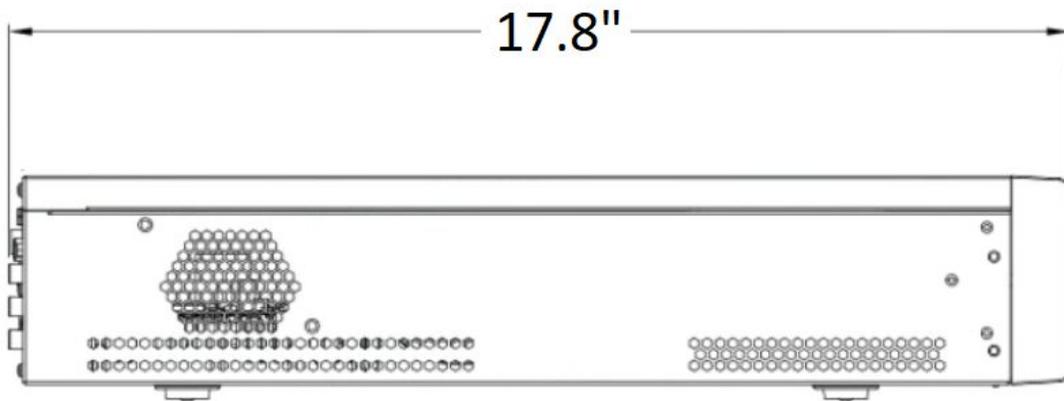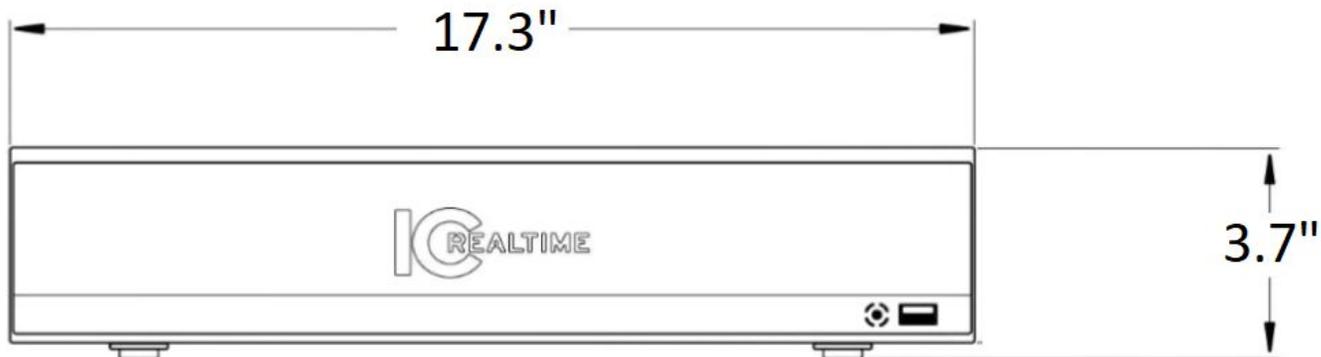|	
USB	4 USB Ports (2 USB 3.0 , 2 USB 2.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control

General

Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	<20W (Without HDD)
Working Environment	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH
Installation Type	Rack mountable
Dimensions (W×D×H)	2U, 17.3" x 17.8" x 3.7" (440mm x 451.08mm x 94.85mm)
Weight	19.8 lb (9kg) (without HDD)

Certifications

Certifications	FCC: Part 15 Subpart B, UL 60950-1

Dimensions (mm/in)

17.3"

3.7"

17.8"

Panels