

# NVR-6300S

4U Rackmount Networking Video Recorder System With Intel® Core™ i3/i5/i7 Processor

Launching in Q1

## Specifications

System	
Form Factor	4U Rackmount NVR system
Processor	LGA 1150 socket for 22nm Intel® Core™ i3/i5/i7 Processor, Max. 84W TDP
System Memory	240-pin DDR3 1600MHz DIMM x 4, up to 32GB
Chipset	Intel® Q87
Ethernet	Intel® 10/100/1000Base-TX Ethernet x 2
BIOS	AMI BIOS, 128Mb SPI flash ROM
IDE Interface	—
Serial ATA	Onboard SATA 6.0 Gb/s x 14
SSD	—
Expansion Interface	PCI-E[x16] x 1, PCI-E[x4] x 1 (signal [x2])
Watchdog Timer	System reset : 1~255 steps by software programming
RTC	—
Storage	Hot-Swappable 3.5" SATA HDD tray x 10 + hot-swappable 2.5" SATA HDD tray x 1
System Fan	Ball Bearing Fan x 1
Front I/O Panel	Power Button x 1, Reset Button x 1, Power LED x 1, HDD Active LED x 11, USB3.0 x 2, USB2.0 x 1, slim optical disk drive x 1
Rear I/O Panel	USB3.0 x 2, USB2.0 x 2, RJ-45 Ports x 2 (PoE), HDMI x 1, Display Port x 1, VGA x 1, audio Jack x 1, PS/2 keyboard/Mouse x 1
Color	Black
Power Supply	600W ATX single PS2 x 1 or 600W ATX redundant x 1 (optional)
Dimension	—
Power Consumption	—
MTBF	—
Display	IT8728F
Serial Port	—
K/B and Mouse	—
USB	—
Output Interface	—
I/O	IT8728F
Serial Port	RS-232 x 2 with pin Header
K/B and Mouse	PS/2 keyboard (purple) x 1, PS/2 mouse (green) x 1
USB	USB 2.0 x 4 - USB for internal pin-header x 2 (optional) - USB 2.0 Type A x 2 on I/O side
Environment	
Operation Temperature	32 °F ~ 104 °F (0 °C ~ 40 °C)
Storage Temperature	-4 °F ~ 140 °F (-20 °C ~ 60 °C)
Operation Humidity	10% ~80% relative humidity, non-condensing
Storage Humidity	10% ~80% @ 40°C, non-condensing
Vibration	—
Shock	—

## Features

- LGA 1150 Socket for 22nm Intel® Core™ i3/i5/i7 Processor, Max. 84W TDP
- Dual-Channel 240-pin DDR3 1600MHz DIMM x 4, Up to 32GB  
3 Graphic Displays Interface: HDMI x 1, DisplayPort x 1, VGA x 1
- Intel® 10/100/1000Base-TX Ethernet x 2
- SATA 6.0 Gb/s x 14, SATA 1~6 Support RAID 0/1/5/10, SATA 7~14: RAID (TBD)
- USB 2.0 x 8, USB 3.0 x 4, Onboard COM Header x 2
- PCI-E[x16] x 1, PCI-E[x4] x 1 (Signal [x2])
- Audio Jack x 3 (Mic-in / Line-in / Line-out)
- Hot-Swappable 3.5" SATA HDD Tray x 10 + Hot-swappable 2.5" SATA HDD Tray x 1, Slim Optical Disk Drive x 1
- Supports PoE Function



## Ordering Information

Part number	CPU	RAM	Cooler	Storage	Display	LAN
NVR-6300S-R60-A10	Socket	240-pin DIMM	Fan	3.5" SATA Hot Swappable x 10 + 2.5" HDD Tray x 1	HDMI, DP, VGA	GbEx2
NVR-6300S-X60-A10	Socket	240-pin DIMM	Fan	3.5" SATA Hot Swappable x 10 + 2.5" HDD Tray x 1	HDMI, DP, VGA	GbEx2

USB	RS-232	RS-232/422/485	KB/MS	Audio	DIO	Expansion Slot	Mounting	Power
USB3.0 x 4, USB2.0 x 8	2	—	1	Mic-In, Line-In, Line-Out	—	PCI-E[x16] x 1, PCI-E[x4] x 1 (signal [x2])	4U Rackmount	600W, ATX, redundant
USB3.0 x 4, USB2.0 x 8	2	—	1	Mic-In, Line-In, Line-Out	—	PCI-E[x16] x 1, PCI-E[x4] x 1 (signal [x2])	4U Rackmount	600W, ATX, single, PS2

## Packing List

- Screws for HDD
- Product CD
- NVR-6300S

## Optional Accessories

- TBD