

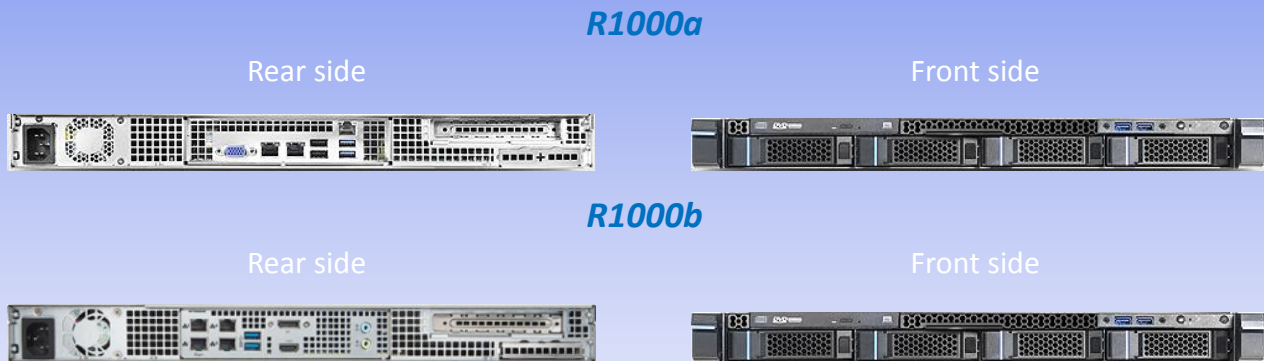


Network Video Recorder

R1000 Series

MSI R1000 series is a great Network Video Recorder (NVR) which supports remote access and record IP camera video content efficiently. R1000 series has powerful computing and graphic ability based on Intel® Xeon® E3-1500 v5 series. Furthermore, the R1000 solution provides high speed network and storage capacity for more reliability to optimize the comprehensive surveillance application.

MSI R1000 Series




Introduction

MSI R1000 Series is appropriate for Network Video Recorder (NVR) application in surveillance system, which allows users to record immediately and high capacity storage for archiving video files. The R1000 series has powerful computing and advanced graphic functions to be a high performance level NVR application.

Key Features

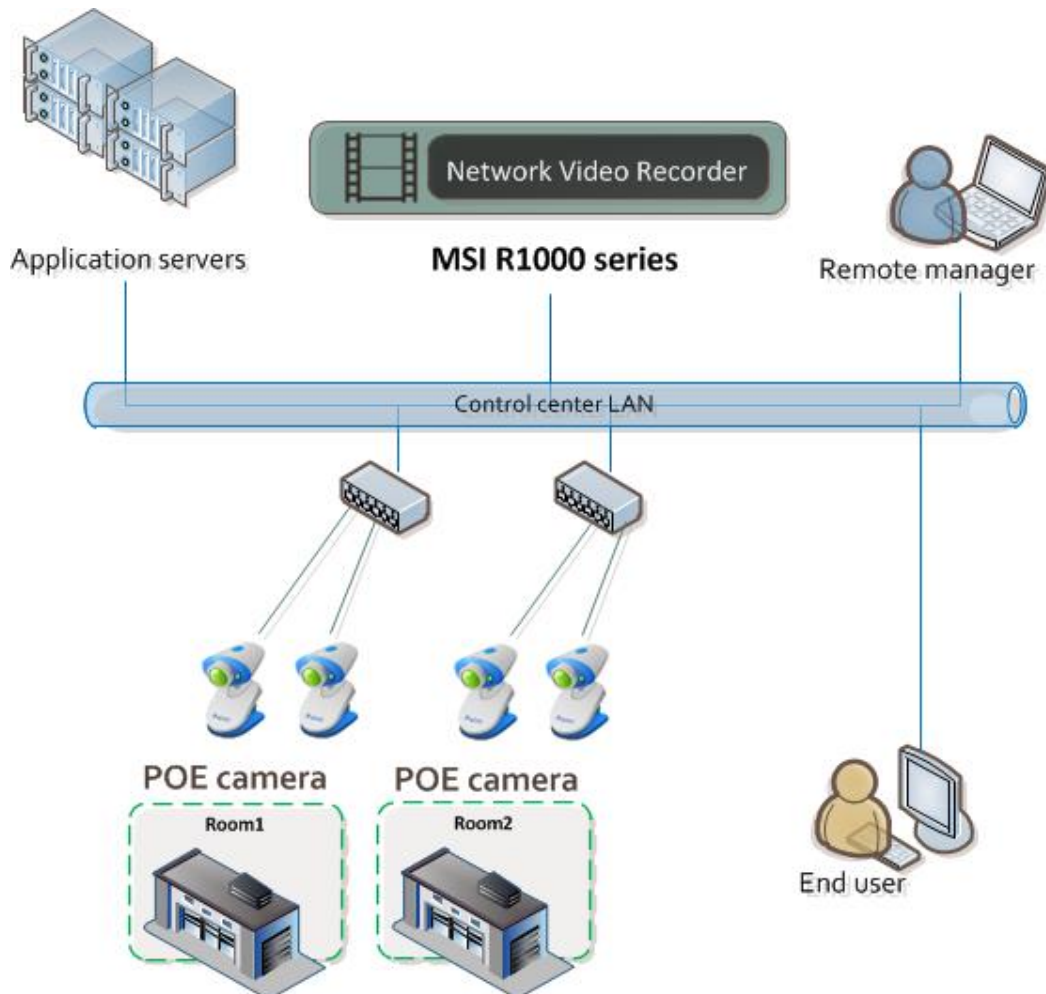
- ✓ **Powerful Computing** – The R1000 series built in Intel® Xeon® Processor E3-1500 v5 series or Intel® Xeon® E3-1200v5 which has high processor frequency and cache memory for supporting NVR or streaming application.
- ✓ **Advanced Graphic Functions** – Intel® Xeon® Processor E3-1500 v5 series integrated Intel® Iris™ Pro Graphics P580 (Max Dynamic Frequency 1.15 GHz, 64 GB) to support high quality video experience. The integrated Iris™ Pro Graphics P580 has advanced technology like Intel® Flexible Display Interface (Intel® FDI), Intel® Clear Video Technology, Intel® Quick Sync Video, etc. Each node can support 3 displays and 72 execution unit.
- ✓ **Multi-Channel Video Processing** - Up to 18 AVC (H.264) streams, or 8 HEVC (H.265) streams at 1080p 30fps.
- ✓ **GPU accelerators** – R1000 series has one x16/x8+x8 PCIe slot for GPU acceleration modules to accommodate a variety of demand and application like nVidia, Intel and AMD solutions.



| Model |  | |
|--------------|--|--|
| | R1000a | R1000b |
| Form factor | 1U | 1U |
| Dimensions | 17.2"W(438mm) × 1.71"H(43.6mm) × 21.6"D(550mm) | 17.2"W(438mm) × 1.71"H(43.6mm) × 21.6"D(550mm) |
| Color | Black | Black |
| CPU | Single Intel® Xeon® E3-1200v5,Core™ i3,Pentium®,Celeron® | Single Intel® Xeon®E3-1500v5 product families |
| PCH | Intel® C232/C236 | Intel® C236 |
| Memory | 4 x SODIMM slots, 2 channel DDR4, 1866/2133MHz ECC Registered up to 64GB | 4 x SODIMM slots, 2 channel DDR4, 1866/2133MHz ECC Registered up to 64GB |
| Storage | 4 x External Hot-Swap 3.5" HDDs (Optional) 1 x Internal M.2 2280 (Optional) | 4 x External Hot-Swap 3.5" HDDs (Optional) 1 x Internal M.2 2280 (Optional) |
| I/O | Front: 1 x Power On/Off button 1 x System Reset button 1 x UID 2 x USB3.0 ports Rear: 3 x GbE LAN (1x Mgmt) 2 x USB3.0 ports 2 x GbE RJ45 ports (One for Mgmt) 1 x VGA port | Front: 3 x Buttons(Power/Reset/UID), 5 x Status LEDs (Power/HDD/LAN/System Status), 2 x USB3.0 port Rear: 3 x GbE LAN (1x Mgmt) 4 x USB3.0 1 x VGA 1 x Audio Jack (Line-in/Line-out) |
| Graphic | Aspeed AST2400/1400 | Intel® Xeon® E3-1500 v5 series integrated 1 x GPU modules optional |
| Expansion | 1 x PCIe 3.0 x16 (x16/x8x8 signal) | 1 x PCIe 3.0 x16 (x16/x8x8 signal) |
| Security | TPM Header | TPM Header |
| Power supply | 460W Single PSU 80+ | 500W Single PSU 80+ |
| Environment | Operating Temperature: 0°C ~ 35°C Operating Humidity: 0% ~ 85% (non-condensing) | Operating Temperature: 0°C ~ 35°C Operating Humidity: 0% ~ 85% (non-condensing) |

MSI R1000 series Network Video Recorder (NVR) is an all-in-one surveillance solution, which is capable of displaying / recording video streams and expandable to four 3.5" HDDs. As a console, it equipped with a dedicated HDMI output to display at 1080p resolution on a monitor. Users can watch surveillance feeds and manage cameras and recordings easily. For computer facilities integration, it comes with IPMI function for remote control and management. Aside from surveillance, built-in two GbE bandwidth can be used as video conferencing or enterprise training, e-learning video broadcast and interactive.

Figure 1. R1000 series typical application



For more information, please visit our website.
<http://server.msi.com>

