



# 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

#### R1000

Rear side



Front side




## 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

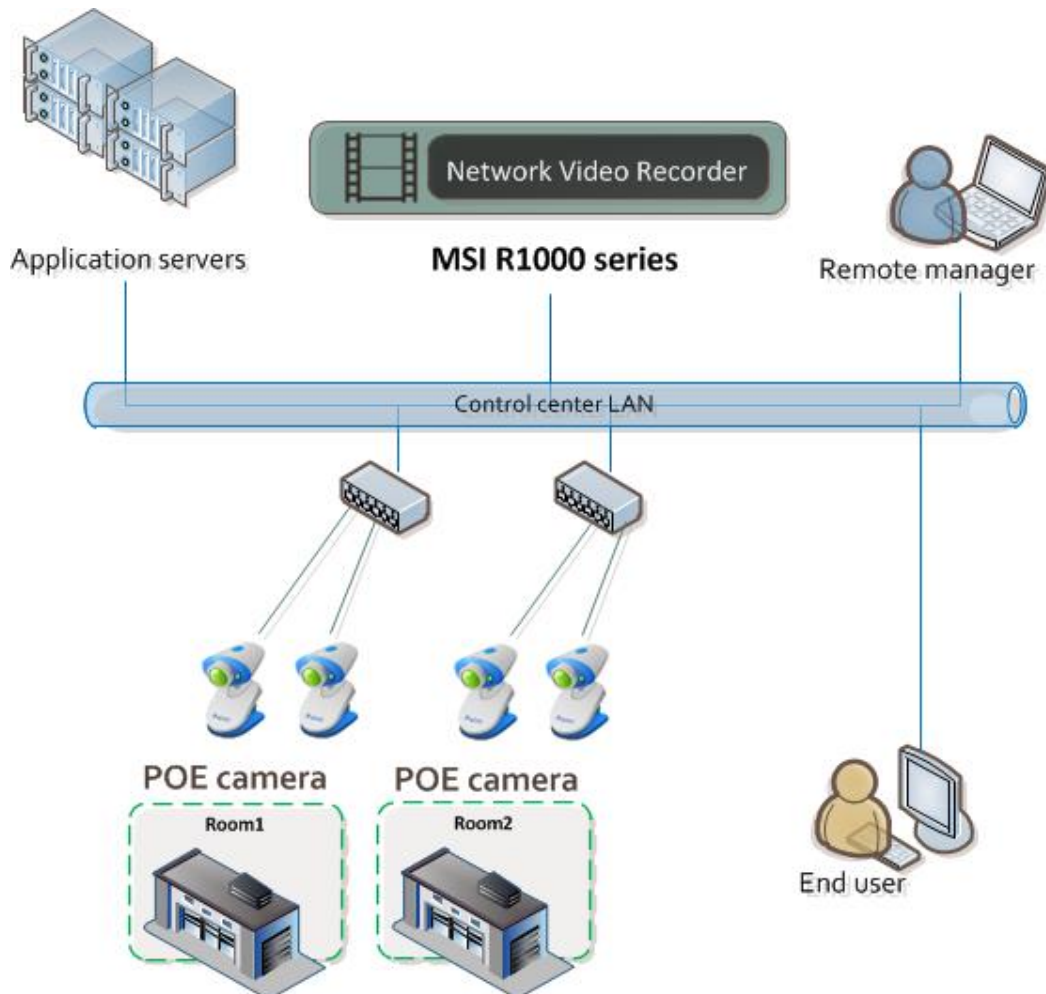
- ✓ **Powerful computing** – The R1000 series built in Intel® Xeon® Processor E3-1500 v5 series which has high processor frequency and cache memory (E3-1585 v5 ,8M Cache, 3.50 GHz) for supporting NVR or streaming application.
- ✓ **Advanced Graphic functions** – Intel® Xeon® Processor E3-1500 v5 series 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	<p style="text-align: center;"><b>R1000</b></p> 
Form factor	1U
Dimensions	550 mm (D)x 438.5mm(W) x 43.2mm(H)
Color	Black
CPU	Intel® Xeon® E3-1500 v5
PCH	Intel® C236
Memory	4 x DDR4 ECC SODIMM, 1866/2133MHz
Storage	4 x 3.5" HDDs 1 x M.2 (internal OS)
I/O	Front IO: 3 x Buttons(Power/Reset/UID), 5x Status LEDs (Power/HDD/LAN/System Status), 2x USB3.0 port Rear IO: 3 x GbE LAN (1x Mgmt) 4 x USB3.0 1x VGA 1 x HDMI 1 x Audio Jack (Line-in/Line-out)
Graphic	Intel® Xeon® E3-1500 v5 series integrated 1 x GPU modules optional
Expansion	1 x PCIe 3.0 x16
Security	TPM Header
Power supply	1 x Single Flex ATX Power, 500W PSU

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 2 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>

