

## Product Overview

- Hot-Swap Storage**  
All MEDUIS Series NVRs provide hot-swap drive bays to quick and easy maintenance in the event of HDD failure or desire to upgrade and increase capacity.
- Redundant Array of Independent Disks (RAID)**  
All MEDUIS Series NVRs offer JBOD and RAID 0, 1, 5, 10 data protection on the storage HDD. RAID 0, 1, 10 (1E), 3, 5, 6, 30, 50, 60 is available in the 2U, 3U, 4U chassis.
- Redundant Operating System**  
All MEDUIS Series NVRs implement dual RAID 1 (Mirrored) Solid State Disks (SSD) for the operating system and application drives.
- Redundant Power Supply**  
All MEDUIS Series NVRs offer single and optional dual redundant power supplies.
- Graphics Output**  
All MEDUIS Series NVRs offer a minimum of 1 x 1080p video output. A maximum of 4 x 4K monitor outputs are supported in the 3U/4U or up to 8 x 1080p in the 3U/4U chassis with appropriate CPU to support the number of channels to be displayed.
- Multiple CPUs**  
All MEDUIS Series NVRs offer multiple CPU options to facilitate a range of data rates.
- Expandable RAM Capacity**  
All MEDUIS Series NVRs support up to 64GB of RAM expandable in 16GB blocks.
- Standardized Programming**  
MEDUIS Series NVRs utilizes the same major components and software in all chassis to simplify training and reduce spares.

# Medius NVR Series



## Overview

**WECU Surveillances New Medius NVR Series** provides a consistent yet scalable line of servers suitable for projects that range from light commercial to large enterprise. The **Medius NVR Series** is a highly scalable, easily maintainable robust line of NVR recording and/or video analytics processing systems with reasonable pricing.

The **Medius NVR Series** ultra-flexible design is offered in 20 models assembled from 4 chassis and 5 CPUs variations. Each model has expandable RAM options and can support a range of monitor outputs for local display as needed. Storage capacities range from 4TB to 192TB in JBOD and several RAID configurations.

One or more **Medius Series NVRs** will satisfy all the needs of a client in the way of storage and processing power for a range of applications. The **Medius NVR Series** is perfectly suitable for video recording and/or high processor load video analytic processing. The **Medius NVR Series** is available in 1U-4xHot-Swap HDD, 2U-8xHot-Swap HDD, 3U- 16xHot-Swap HDD, 4U- 24xHot-Swap HDD chassis with 5 CPU options with benchmarks from 9,800 to over 22,000.

## Images

1U



2U



3U



4U



## Models

Model	Description
NOTES:	Required Add-ons to be selected for all models (see next page)
	Options Power Supply and RAM upgrade available on all models (see next page)
VSRP1194	1U, i7 CPU - Benchmark - 9800+, 16GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 4xHot-Swap HDD Bays
VSRP1195	1U, i7 CPU - Benchmark - 12,900+, 16GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 4xHot-Swap HDD Bays
VSRP1199	2U, i7 CPU - Benchmark - 9800+, 16GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 8xHot-Swap HDD Bays
VSRP1200	2U, i7 CPU - Benchmark - 12,900+, 16GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 8xHot-Swap HDD Bays
VSRP1201	2U, i7 CPU - Benchmark - 16,000+, 16GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 8xHot-Swap HDD Bays
VSRP1202	2U, E5 CPU - Benchmark - 19,000+, 32GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 8xHot-Swap HDD Bays
VSRP1203	2U, E5 CPU - Benchmark - 22,000+, 32GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 8xHot-Swap HDD Bays
VSRP1204	3U, i7 CPU - Benchmark - 9800+, 16GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 16xHot-Swap HDD Bays
VSRP1205	3U, i7 CPU - Benchmark - 12,900+, 16GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 16xHot-Swap HDD Bays
VSRP1206	3U, i7 CPU - Benchmark - 16,000+, 16GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 16xHot-Swap HDD Bays
VSRP1207	3U, E5 CPU - Benchmark - 19,000+, 32GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 16xHot-Swap HDD Bays
VSRP1208	3U, E5 CPU - Benchmark - 22,000+, 32GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 16xHot-Swap HDD Bays
VSRP1209	4U, i7 CPU - Benchmark - 9800+, 16GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 24xHot-Swap HDD Bays
VSRP1210	4U, i7 CPU - Benchmark - 12,900+, 16GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 24xHot-Swap HDD Bays
VSRP1211	4U, i7 CPU - Benchmark - 16,000+, 16GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 24xHot-Swap HDD Bays
VSRP1212	4U, E5 CPU - Benchmark - 19,000+, 32GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 24xHot-Swap HDD Bays
VSRP1213	4U, E5 CPU - Benchmark - 22,000+, 32GB RAM, 2x120GB SSD for Win7 Pro 64-bit, 24xHot-Swap HDD Bays

## Required Add-ons

Graphics Output Options (one option required)		
CCCC1214	1 output - 720p, 1080p (VGA, DVI, HDMI)	All
CCCC1215	2 outputs - 720p, 1080p or 4K each (2x Display Ports)	All
CCCC1216	4 outputs - 720p, 1080p or 4K each (4x Display Ports)	3U, 3U, 4U
CCCC1217	4 outputs - 720p, 1080p (2xDVI, HDMI, Display Port)	3U, 4U
CCCC1218	8 outputs - 720p, 1080p (4xDVI, 2xHDMI, 2xDisplay Ports)	3U, 4U
Storage Options (Appropriate quantity of HDD to chassis model and storage need)		
CCAN0105	4TB Surveillance Grade	1U, 2U
CCAN1024	6TB Surveillance Grade	1U, 2U
CCAN1156	4TB Enterprise Grade	All
CCAN0983	6TB Enterprise Grade	All
CCAN1219	8TB Enterprise Grade	All

## Specifications

RAM Options		
CCCC1220	Add 16GB	All
CCCC1221	Add 32GB	All
CCCC1222	Add 48GB	All
Power Supply Options (systems default with non-redundant power supply)		
CCCC1224	2U Redundant Power supply, 650W	2U
CCCC1225	3U/4U Redundant Power supply, 1050W	3U, 4U

## Options

Features	1U	2U	3U	4U
CPU	See CPU Capacity Specifications and Models			
DVD	Yes			No
Graphics	See Add-ons			
Hot-Swap HDD Bays	4	8	16	24
Max Storage Capacity (RAW)	32TB	64TB	128TB	192TB
Mounting	Rack			
Network	2 x Gigabit NIC			
Operating System	Windows 7 Pro 64-bit			
Operating System SSD	2 x 120GB RAID 1			
Power supply	Single	Single or Redundant		
RAID	RAID 1 - Operating system, RAID 5 - Video Data			
RAM	16GB (See optional upgrades)			
Supported Channels	Software limited			
USB Front Panel	2xUSB3.0			
USB Rear Panel	2xUSB 2.0, 6xUSB3.0			

## Calculating the Proper Server

Calculating the most appropriate/cost effective server is a complex process best done by an experienced sales engineer. Identify the following to the extent possible, then email WECU Surveillance at [info@wecusurveillance.com](mailto:info@wecusurveillance.com).

1. The number of cameras to be recorded at your site.
2. The resolution of cameras to be recorded at your site.
3. The framerate each camera and associated bit rate if available.
4. The length of video data retention required per camera.
5. Type of recording :
  - a. Continuous.
  - b. Event triggered (Sensor, Motion, Video analytics, etc.)
    - i. Estimated hours recording per camera per day.
6. The number of monitors desired as spot monitors/video wall.

WECU Surveillances sales engineers can also assist with: Client work stations, network infrastructure, indoor/outdoor/solar power systems, wireless, mobile systems, etc.