



WRR-P-S204x

WAVE Recording Server



Key Features

- 2U rackmount VMS solution, preloaded and configured with Wisenet WAVE video management system
- Up to 240TB of raw video-optimized storage
- 470 Mbps of recording throughput
- SSD & 24/7 Duty Cycle Drives
- Includes USB mouse and keyboard
- Includes Sliding Rack Rail with Cable Management Arm
- 5-Year, Next Business Day, Keep Your Hard Drive Warranty
- Supports Wisenet and ONVIF conformant IP cameras
- IPMI Management
- Powered by Microsoft Windows 10 IoT LTSC 2021, Server 2022, or Ubuntu 22.04

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x = (W) Windows IoT, (S) Windows Server, (L) Ubuntu

Specifications

System	
Video Management Software	Wave VMS
Recording Bandwidth	Up to 470 Mbs * Bandwidth performance figures based on performance testing by Hanwha Vision using Wave VMS
Included Licenses	4 x Wave Professional License
OS Drive Bays	2 x 480GB Dual RAID 1 SSD (Internally Mounted)
Data Drive Bays	12 x 3.5" Front Hot Swappable Bays
Data Storage	Up to 240TB raw
RAID Support	RAID 0, 1, 5, 6, 10 (RAID 5 default configuration)
Network Interface	4 x RJ45 GbE (default), 2 x RJ45 + 2 x 10GbE SFP (optional)
Processor	1 x Intel Xeon 4410Y
Memory	16GB, 1 x 16GB DDR4
Operating System	Windows 10 IoT Enterprise LTSC 2021 / Windows Server 2022 Standard / Ubuntu 22.04 LTS
Video Outputs	NVIDIA Quadro A400 4 x MiniDisplayPort (1xHDMI adapter), 2 x VGA
USB Ports	1 x USB 2.0 (Front), 1 x USB 2.0 + 1 x USB 3.0 (Rear)
Other Ports	Serial
Keyboard & Mouse	Included
Sliding Rail Kit	Included, with Cable Management Arm

Mechanical/Electrical/Environmental	
Mechanical	Form Factor: 2U rack mount chassis
	Color / Material: Black/Metal
	Dimensions (WxDxH): 18.97"(482mm) x 30.39"(772.13mm) x 3.41"(86.8mm)
	Weight: 53.3 lbs (25.1 kg) * Weight is on chassis without HDD's
Electrical	Power Supply: (2) 800W 80 Plus Platinum
	Power Input: 100 – 240 VAC
	Heat Dissipation: 3000 Max BTU/hr
Environmental	Operating Temperature: 50F – 95F (10C – 35C)
	Storage Temperature: –40F to 149F (–40C to 65C)
	Operating Humidity: 5% to 95% RH with 27C (80.6F) maximum dew point
Certifications	UL, NOM, RoHS, TUV, GS

Effective Storage Capacity

Model	RAW/RAID 5/RAID 6
WRR-P-S204X-48TB	48TB/29TB/14TB
WRR-P-S204X-96TB	96TB/72TB/58TB
WRR-P-S204X-112TB	112TB/87TB/72TB
WRR-P-S204X-128TB	128TB/101TB/87T
WRR-P-S204X-144TB	144TB/116TB/101TB
WRR-P-S204X-160TB	160TB/131TB/116TB
WRR-P-S204X-176TB	176TB/145TB/131TB
WRR-P-S204X-200TB	200TB/163TB/145TB
WRR-P-S204X-220TB	220TB/182TB/163TB
WRR-P-S204X-240TB	240TB/200TB/182TB

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General

The WRR-P-S204X series offers an affordable and reliable 2U rackmount solution for any entry level deployment. Up to 240TB of raw video-optimized storage is provided by 24/7 duty cycle SAS drives.

The latest Intel® Xeon® Processor allows for high powered computing power, and 16GB of DDR4 RAM provides the system resources to scale as needed.

A dedicated solid state drive for applications and the operating system enables fast boot and load times. Supports RAID 0, 1, 5, 6, and 10 storage configuration allowing for increased reliability, and a 5-year, on-site, Next Business Day, Keep Your Hard Drive warranty ensures peace of mind.

Each server is pre-loaded with WAVE VMS and comes with 4 Professional licenses to ensure quick and easy deployment with minimum setup time.

*NBD, on-site warranty time starts once the root cause of the issue(s) have been identified