

ApplianceStor175v5 : : : : : : : : : : Enterprise-Grade, 64- : : : : : : : : : : Channel, Dual Xeon 1U : : : : : : : : : : Recording Server | : : : : : : : : : : 500-Channel Recording : : : : : : : : : : Server with PixelStor

Rasient NFD Series of Products for Forensic-Grade Surveillance

Rasient Systems

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ApplianceStor175v5

Enterprise-Grade, 64-Channel,
Dual Xeon 1U Recording Server |
500-Channel Recording Server with PixelStor



Datasheet

The **AS175v5** integrates VMS and storage in a simple to use, high performance video surveillance storage solution. It is optimized for video surveillance applications and delivers the performance required for the most demanding megapixel installations.

Powerful server and storage system, built around high-performance dual Intel XeonScalable processors. It has 4 direct-attached high-capacity SAS drives (DAS), all in one box. With PixelStor, AS175 can support 500-channel with 1Gbps recording performance and 2PB storage.

Purpose-built open platform with MS Windows to integrate Video Management Software (VMS). All major VMS providers are pre-qualified and pre-loaded (e.g., Milestone, Genetec, Digifort, Qognify, ISS, and more). Most are continually added to ensure the widest possible certification coverage.

Effortless installation, management and administration.

Rasilent provides a **complete physical security solution**.

All necessary components are offered, including high-performance recording, viewing/monitoring and administration servers, and high-performance storage.

Features



2x Intel® Xeon® 6
processors and Optional
for Other Xeon



Up to 1024GB ECC RAM

Application



All-in-One 64-Channel
Medium Installations



500-Channel Large
Installations with
PixelStor

High-Performance CPU ideal
for VMS motionprocessing

Specifications

CPU	2x Intel Xeon 6505 (optional for other Xeon CPUs)
RAM	Up to 1024GB ECC DDR4 2666Mhz
GPU	Optional Nvidia T400 / RTX3050 GPU
Networking	2 or 4x GbE (w/ PixelStor), 1x Dedicated Management
Input / Output	4x USB 3.2, VGA, (3xmDP if GPU Installed)
Max Storage	Up to 80TB, w/PixelStor: Up to 2.16PB
RAID	RAID 0, 1, 5, 6, 10
Operating Systems	Windows Server 2022, 2025
Dimensions (W x D x H)	17.68" x 33.2" x 1.7" / 449 x 843 x 44 mm
Weight	Max 50 lb / 23 kg
Power Supply	1+1 Redundant 800W 100/240V AC 6A 47-63Hz
Operating Temperatures	10 - 35 °C
Recording Performance	All-in-One: 500 Mbps, w/ PixelStor: 1 Gbps

*Recording performance was tested using Milestone XProtect VMS and RAID5 storage. Performance may be different for other configurations.



* Configuration of product may differ based on options

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