



# Rasilient Product Guide

**About This Guide:** This product guide is intended for Rasilient customers to explore Rasilient’s current product offerings. This guide should not be used in replacement for an official Rasilient quote. This guide may change at any time without notice. If you believe you have an outdated version, please reach out to your Rasilient Sales Representative and they will send you an updated guide.

## *Notes:*

- *All rackmount recording servers, NVRs and Analytic servers come with dual redundant, advanced power protection SSDs for the operating system. As standard, the SSDs are 240GB, however can be upgraded to 480GB or 960GB*
- *All tower Viewing Stations and Analytic Servers come with a single, standard SSD for the operating system. As standard, the SSD is 256GB, however can be upgraded to 512GB or 1TB.*
- *All Rasilient products come standard with a 5-year warranty (excluding Viewing Stations)*
- *All Rasilient products, except for Storage Systems, come with 16GB RAM as standard and can be upgraded*
- *Throughput performance was tested using Windows Server 2019 Standard OS, Milestone XProtect VMS, and RAID 5 storage (if applicable). Different OS, VMS or RAID configurations may result in different performance.*
- *All performance was measured based on zero frame drop (NFD)*

## Recording Servers with PixelStor (SDA)

Product	AS70v3	AS175v2	AS180v3	AS85v3
<b>Form Factor</b>	<b>1U Rackmount</b>	<b>1U Rackmount</b>	<b>2U/4Node Rackmount</b>	<b>2U/4Node Rackmount</b>
<b>Cameras Supported</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>
<b>Throughput (w/ PixelStor)</b>	<b>500 Mbps</b>	<b>1 Gbps</b>	<b>2 Gbps</b>	<b>4 Gbps</b>
<b>CPU</b>	Intel Xeon E-2334	2x Intel Xeon Silver 4310	Intel Xeon Silver 4310 (per Node)	2x Intel Xeon Silver 4310 (per Node)
<b>GPU</b>	Integrated ASPEED AST2600	Integrated ASPEED AST2600	Integrated ASPEED AST2600	Integrated ASPEED AST2600
<b>Memory</b>	Up to 128GB ECC	Up to 1024GB ECC	Up to 256GB ECC (per Node)	Up to 512GB ECC (per Node)
<b>Networking</b>	4x GbE, 1x Dedicated Management	4x GbE, 1x Dedicated Management	5x GbE, 1x Dedicated Management (per Node)	5x GbE, 1x Dedicated Management (per Node)
<b>Input/Output</b>	4x USB 3.2, VGA	4x USB 3.0, VGA	2x USB 3.0, VGA (per Node)	2x USB 3.0, VGA (per Node)
<b>Max Weight</b>	50 lb / 23 kg	50 lb / 23 kg	97 lb / 44 kg	97 lb / 44 kg
<b>Power Supply</b>	1+1 Redundant 450W 100/240V AC 4/8A 47-63Hz	1+1 Redundant 800W 100/240V AC 6A 47-63Hz	1+1 Redundant 2200W 100/240V AC 9.5A 47-63Hz	1+1 Redundant 2200W 100/240V AC 9.5A 47-63Hz
	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>

## NVR All-in-One Servers

Product	AS15	AS70v3	AS175v2	AS90v2
<b>Form Factor</b>	<b>Mini-Tower / 2D</b>	<b>1U/4D Rackmount</b>	<b>1U/4D Rackmount</b>	<b>2U/12D Rackmount</b>
<b>Camera Supported</b>	<b>16</b>	<b>64</b>	<b>64</b>	<b>200</b>
<b>Throughput</b>	<b>80 Mbps</b>	<b>400 Mbps</b>	<b>400 Mbps</b>	<b>400 Mbps</b>
<b>Max RAW Storage</b>	<b>32TB (2x SATA HDD)</b>	<b>80TB (4x SAS HDD)</b>	<b>80TB (4x SAS HDD)</b>	<b>240TB (12xSAS HDD)</b>
<b>CPU</b>	Intel i3-10100	Intel Xeon E-2334	2x Intel Xeon Silver 4310	Intel Xeon E-2334
<b>GPU</b>	Nvidia T400	Integrated ASPEED AST2600	Integrated ASPEED AST2600	Integrated ASPEED AST2600
<b>Memory</b>	Up to 32GB	Up to 128GB ECC	Up to 1024GB ECC	Up to 128GB ECC
<b>Networking</b>	2x GbE, WiFi-802.11 a/b/g/n/ac	2x GbE, 1x Dedicated Management	2x GbE, 1x Dedicated Management	2x GbE, 1x Dedicated Management
<b>Input/Output</b>	4x USB 3.2, 4x USB 2.0, DVD R/W, 3x HDMI, DP, mDP	4x USB 3.2, VGA	4x USB 3.2, VGA	4x USB 3.1, 1x USB 3.0, VGA
<b>Max Weight</b>	15 lb / 6.8 kg	50 lb / 23 kg	50 lb / 23 kg	80 lb / 36 kg
<b>RAID</b>	N/A	0, 1, 5, 10, or 50	0, 1, 5, 10, or 50	0, 1, 5, 6, 10, 50 or 60
<b>Power Supply</b>	250W 100/240V AC 10A 50-60Hz	1+1Redundant 450W 100/240V AC 4/8A 47-63Hz	1+1 Redundant 800W 100/240V AC 6A 47-63Hz	1+1 Redundant 800W 100/240V AC 9.5A 47-63Hz
	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>

## NVR All-in-One Servers

Product	AS212S	AS316	AS316S	AS424	AS424S
<b>Form Factor</b>	<b>2U/12D Rackmount</b>	<b>3U/16D Rackmount</b>	<b>3U/16D Rackmount</b>	<b>4U/24D Rackmount</b>	<b>4U/24D Rackmount</b>
<b>Camera Supported</b>	<b>300</b>	<b>300</b>	<b>500</b>	<b>300</b>	<b>500</b>
<b>Throughput</b>	<b>500 Mbps</b>	<b>500 Mbps</b>	<b>2 Gbps</b>	<b>500 Mbps</b>	<b>2 Gbps</b>
<b>Max RAW Storage</b>	<b>240TB (12x SAS HDD)</b>	<b>320TB (16x SAS HDD)</b>	<b>320TB (16x SAS HDD)</b>	<b>480TB (24x SAS HDD)</b>	<b>480TB (24x SAS HDD)</b>
<b>CPU</b>	2x Intel Xeon Silver 4310	Intel E-2134	2x Intel Xeon Silver 4216	Intel E-2134	2x Intel Xeon Silver 4216
<b>GPU</b>	Integrated ASPEED AST2600	Nvidia T400	Nvidia T400	Nvidia T400	Nvidia T400
<b>Memory</b>	Up to 64GB ECC	Up to 64GB ECC	Up to 384GB ECC	Up to 64GB ECC	Up to 384GB ECC
<b>Networking</b>	2x 10GbE, 1x Dedicated Management	2x GbE, 1x Dedicated Management	2x GbE, 1x Dedicated Management	2x GbE, 1x Dedicated Management	2x GbE, 1x Dedicated Management
<b>Input/Output</b>	4x USB 3.2, 1x VGA	4x USB 3.1, 1x USB 3.0, 2x HDMI, mDP	4x USB 3.1, 2x USB 2.0, 2x HDMI, mDP	4x USB 3.1, 1x USB 3.0, 2x HDMI, mDP	4x USB 3.1, 2x USB 2.0, 2x HDMI, mDP
<b>Max Weight</b>	80 lb / 36 kg	109 lb / 49 kg	109 lb / 49 kg	127 lb / 57 kg	127 lb / 57 kg
<b>RAID</b>	0, 1, 5, 6, 10, 50 or 60	0, 1, 5, 6, 10, 50 or 60	0, 1, 5, 6, 10, 50 or 60	0, 1, 5, 6, 10, 50 or 60	0, 1, 5, 6, 10, 50 or 60
<b>Power Supply</b>	1+1 Redundant 1600W 100/240V AC 47-63Hz	1+1 Redundant 1200W 100/240V AC 6A 47-63Hz	1+1 Redundant 1200W 100/240V AC 6A 47-63Hz	1+1 Redundant 1200W 100/240V AC 6A 47-63Hz	1+1 Redundant 1200W 100/240V AC 6A 47-63Hz
	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>

## Storage Systems

Head Units		
Product	PS7012	Notes
Throughput	6 Gbps	The PS7012 has a HyperCache option which replaces 2x HDD drives with 2x SSDs to increase performance
Max RAW Storage	240TB (12x SAS HDD)	
Controller	Rasilent Dual Redundant	2x 10GbE NIC can be Copper or Fiber. The optional SPF+ module is available to order together
Memory	Up to 64GB per Controller	
Max RAW Storage	240TB (12x SAS HDD)	
Networking	2x 10GbE (Fiber or Copper) + 2x GbE per Controller	
Form Factor	2U Rackmount	
Max Weight	80 lb / 36 kg	
RAID	0, 1, 5, 6, 10, 50 or 60	
Power Supply	1+1 Redundant 600W 100/240V AC 6A 47-63Hz	
	<a href="#">Data Sheet</a>	

## Storage Systems

<b>Expansion Units (Must be Attached to Head Unit)</b>			
<b>Product</b>	<b>PS312e2</b>	<b>PS390</b>	<b>PS392</b>
<b>Form Factor</b>	<b>2U/12D Rackmount</b>	<b>4U/90D Rackmount</b>	<b>5U/92D Rackmount</b>
<b>Max RAW Storage</b>	<b>240TB (12x SAS HDD)</b>	<b>1,800TB (90x SAS HDD)</b>	<b>1,840TB (92x SAS HDD)</b>
<b>Max Expansions per Head Unit</b>	8	1	1
<b>Max Weight</b>	80 lb / 36 kg	260 lb / 118 kg	290 lb / 131 kg
<b>RAID</b>	0, 1, 5, 6, 10, 50 or 60	0, 1, 5, 6, 10, 50 or 60	0, 1, 5, 6, 10, 50 or 60
<b>Power Supply</b>	1+1 Redundant 600W 100/240V AC 6A 47-63Hz	2+2 Redundant 1200W 100/240V AC 6A 47-63Hz	2+2 Redundant 2400W 100/240V AC 6A 47-63Hz
	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>

## Viewing Stations

Product	AS61	AS62	AS67v2
<b>Form Factor</b>	<b>Mini-Tower</b>	<b>1U Rackmount</b>	<b>Full Tower</b>
<b>Max # of Monitors</b>	<b>5</b>	<b>3</b>	<b>11</b>
<b>CPU</b>	Intel i3-10100	Intel Xeon E2334	Intel i7-8700
<b>GPU</b>	Nvidia T400	Nvidia T400	Up to 2x Nvidia RTX3080
<b>Memory</b>	Up to 32GB	Up to 128GB	Up to 64GB
<b>Networking</b>	2x GbE, WiFi-802.11 a/b/g/n/ac	2x GbE, 1x Dedicated Management	2x GbE
<b>Input/Output</b>	4x USB 3.2, 4x USB 2.0, DVD R/W, 3x HDMI, mDP, DP	2x USB 3.1, 4x USB 3.0, VGA, HDMI, mDP, DP	4x USB 3.2, Graphics Output Depends on GPU Configuration
<b>Max Weight</b>	15 lb / 6.8 kg	30 lb / 14 kg	50 lb / 23 kg
<b>Power Supply</b>	250W 100/240V AC 10A 50-60Hz	350W 100/240V AC 6A 50-60Hz	700W 100/240V AC 10-5A 50-60Hz
	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>

## Analytics Servers

Product	AI161	AI175	AI196v2
Form Factor	Mini-Tower	1U Rackmount	3U Rackmount
CPU	Intel i7-10700 / i9-10900k	2x Intel Xeon Scalable	2x Intel Xeon Scalable
GPU	Nvidia RTX3050, RTX3060, or RTX3070	Nvidia Tesla T4	3x Nvidia RTX3080, 4x QRTX4000, or 6x Tesla T4
Memory	Up to 64GB	Up to 1024GB ECC	Up to 512GB ECC
Max RAW Storage	60TB (3x SATA HDD)	80TB (4x SAS HDD)	320TB (16x SAS HDD)
Networking	2x GbE	2x GbE, 1x Dedicated Management	2x GbE, 2x 10GbE, 1x Dedicated Management
Input/Output	4x USB 3.2, 4x USB 2.0, DVD R/W, 3x HDMI, DP, mDP	4x USB 3.0, VGA	4x USB 3.1, 2x USB 2.0, Graphics Output Depends on GPU Configuration
Max Weight	20 lb / 9 kg	50 lb / 23 kg	109 lb / 49 kg
RAID	N/A	0, 1, 5, 10, or 50	0, 1, 5, 10, or 50
Power Supply	620W 100/240V AC 10A 50-60Hz	1+1 Redundant 800W 100/240V AC 6A 47-63Hz	1+1 Redundant 1200W 100/240V AC 6A 47-63Hz
	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>	<a href="#">Data Sheet</a>