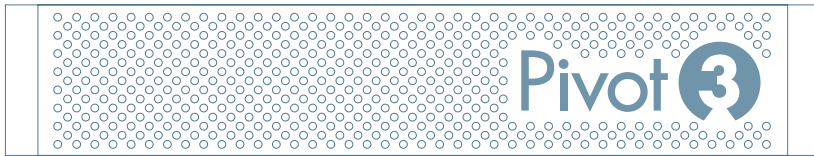




# Pivot3 Surveillance Series

**LENOVO TECHNICAL SPECIFICATIONS**



## Technical Specifications – Surveillance Series

### 2U Surveillance Appliances (L2)



Item	V5-2000 (L2) Surveillance Appliance	V5-2000s (L2) Storage Appliance
<b>Hyperconverged Software Platform</b>	Pivot3 Acuity Surveillance Edition	Pivot3 Acuity Surveillance Edition
<b>Server Platform</b>	Lenovo ThinkSystem SR650	Lenovo ThinkSystem SR650
<b>Hypervisor Platform</b>	VMware ESXi Foundation	None
<b>Form Factor</b>	2U	2U
<b>Processor</b>	1 x 12 Core Intel Xeon 4116 (2.10 GHz) <u>or</u> 2 x 12 Core Intel Xeon 4116 (2.10 GHz) <u>or</u> 2 x 20 Core Intel Xeon 6138 (2.00 GHz) <u>or</u> 1 x 12 Core Intel Xeon 4214 (2.20 GHz) <u>or</u> 2 x 12 Core Intel Xeon 4214 (2.20 GHz) <u>or</u> 2 x 20 Core Intel Xeon 6230 (2.10 GHz)	1 x 6 Core Intel Xeon 3104 (1.70 GHz) <u>or</u> 1 x 6 Core Intel Xeon 3204 (1.90 GHz)
<b>Optional GPU</b>	2 x NVIDIA Tesla T4	–
<b>RAM</b>	48, 96GB, 192GB	32GB
<b>Appliance Capacity</b>	12, 24, 48, 96, 120, 144, 168TB	12, 24, 48, 96, 120, 144, 168TB
<b>3.5” SATA HDD</b>	1, 2, 4, 8, 10, 12, 14TB	1, 2, 4, 8, 10, 12, 14TB
<b>Cache (2.5” SATA SSD)</b>	2 x 480GB (in rear)	2 x 480GB (in rear)
<b>Drive Count</b>	12 x 3.5” HDD + 2 x 2.5” SSD	12 x 3.5” HDD + 2 x 2.5” SSD
<b>Max Domain Size</b>	Unlimited	Unlimited
<b>Max Nodes per vPG</b>	12 nodes	12 nodes
<b>Min Nodes per vPG</b>	1 node	1 node
<b>Max vPG Capacity</b>	2.0PB	2.0PB
<b>Network Connectivity</b>	6 x 10 GbE (SFP+ or RJ45)	4 x 10 GbE (RJ45 or SFP+)
<b>Power Supplies</b>	2 x 1100W AC Platinum	2 x 1100W AC Platinum
<b>Physical Specifications</b>	Height: 3.4 in. (8.7 cm) Width: 17.5 in. (44.5 cm) Depth: 28.3 in. (72 cm) Weight: Max config: 70.5 lbs. (32 kg)	Height: 3.4 in. (8.7 cm) Width: 17.5 in. (44.5 cm) Depth: 28.3 in. (72 cm) Weight: Max config: 70.5 lbs. (32 kg)
<b>Ambient Temperature</b>	50°F to 95°F (10°C to 35°C) (Altitude < 900 m or 2953 ft.)	50°F to 95°F (10°C to 35°C) (Altitude < 900 m or 2953 ft.)
<b>Operating Relative Humidity</b>	8% - 80% (non-condensing); maximum dew point: 21 °C (70 °F)	8% - 80% (non-condensing); maximum dew point: 21 °C (70 °F)
<b>Thermal Rating</b>	4804 BTU/hr. (@1408 watts)	4804 BTU/hr. (@1408 watts)
<b>Certifications</b>	ENERGY STAR 2.1 for Servers, UL/IEC 60950-1, FCC part 15 class A	ENERGY STAR 2.1 for Servers, UL/IEC 60950-1, FCC part 15 class A

**Technical Specifications – Surveillance Series**  
**2U Surveillance Appliances (D2)**



Item	V5-2000 (D2) Surveillance Appliance	V5-2000s (D2) Storage Appliance
<b>Hyperconverged Software Platform</b>	Pivot3 Acuity Surveillance Edition	Pivot3 Acuity Surveillance Edition
<b>Server Platform</b>	Dell PowerEdge R740xd	Dell PowerEdge R740xd
<b>Hypervisor Platform</b>	VMware ESXi Foundation	None
<b>Form Factor</b>	2U	2U
<b>Processor</b>	1 x 12 Core Intel Xeon 4116 (2.10 GHz) <u>or</u> 2 x 12 Core Intel Xeon 4116 (2.10 GHz) <u>or</u> 2 x 20 Core Intel Xeon 6138 (2.00 GHz) <u>or</u> 1 x 12 Core Intel Xeon 4214 (2.20 GHz) <u>or</u> 2 x 12 Core Intel Xeon 4214 (2.20 GHz) <u>or</u> 2 x 20 Core Intel Xeon 6230 (2.10 GHz)	1 x 6 Core Intel Xeon 3104 (1.70 GHz) <u>or</u> 1 x 6 Core Intel Xeon 3204 (1.90 GHz)
<b>RAM</b>	48, 96, 192GB	32GB
<b>Appliance Capacity</b>	16, 32, 64, 128, 160, 192, 224TB	16, 32, 64, 128, 160, 192, 224TB
<b>3.5" SATA HDD</b>	1, 2, 4, 8, 10, 12, 14TB	1, 2, 4, 8, 10, 12, 14TB
<b>Cache (2.5" SATA SSD)</b>	2 x 480GB (in rear)	2 x 480GB (in rear)
<b>Drive Count</b>	16 x 3.5" HDD + 2 x 2.5" SSD	16 x 3.5" HDD + 2 x 2.5" SSD
<b>Optional GPU</b>	N/A	N/A
<b>Max Domain Size</b>	Unlimited	Unlimited
<b>Max Nodes per vPG</b>	12 nodes	12 nodes
<b>Min Nodes per vPG</b>	1 node	1 node
<b>Max vPG Capacity</b>	2.7PB	2.7PB
<b>Network Connectivity</b>	6 x 10 GbE (SFP+ or RJ45)	4 x 10 GbE (RJ45 or SFP+)
<b>Power Supplies</b>	2 x 1100W AC Platinum	2 x 1100W AC Platinum
<b>Physical Specifications</b>	Height: 3.4 in. (8.7 cm) Width: 17.5 in. (44.5 cm) Depth: 28.2 in. (71.5 cm) Weight: Max config: 72.9 lbs. (33.1 kg)	Height: 3.4 in. (8.7 cm) Width: 17.5 in. (44.5 cm) Depth: 28.3 in. (72 cm) Weight: Max config: 70.5 lbs. (32 kg)
<b>Ambient Temperature</b>	50°F to 95°F (10°C to 35°C) (Altitude < 950 m or 3117 ft)	50°F to 95°F (10°C to 35°C) (Altitude < 950 m or 3117 ft)
<b>Operating Relative Humidity</b>	10% to 80% relative humidity with 84.2°F (29°C) maximum dew point	10% to 80% relative humidity with 84.2°F (29°C) maximum dew point
<b>Thermal Rating</b>	4100 BTU/hr.	4100 BTU/hr.
<b>Certifications</b>	ENERGY STAR 2.0 for Servers	ENERGY STAR 2.0 for Servers

Item	V5-2000 (D2) Surveillance Appliance	V5-2000s (D2) Storage Appliance
<b>Hyperconverged Software Platform</b>	Pivot3 Acuity Surveillance Edition	Pivot3 Acuity Surveillance Edition
<b>Server Platform</b>	Dell EMC PowerEdge R740xd2	Dell EMC PowerEdge R740xd2
<b>Hypervisor Platform</b>	VMware ESXi Foundation	None
<b>Form Factor</b>	2U	2U
<b>Processor</b>	2 x 12 Core Intel Xeon 4116 (2.10 GHz) <u>or</u> 2 x 20 Core Intel Xeon 6138 (2.00 GHz) <u>or</u> 2 x 12 Core Intel Xeon 4214 (2.20 GHz) <u>or</u> 2 x 20 Core Intel Xeon 6230 (2.10 GHz)	2 x 6 Core Intel Xeon 3104 (1.70 GHz) <u>or</u> 2 x 6 Core Intel Xeon 3204 (1.90 GHz)
<b>RAM</b>	64, 96, 192GB	32, 64GB
<b>Appliance Capacity</b>	288, 336TB	288, 336TB
<b>3.5" SATA HDD</b>	12, 14TB	12, 14TB
<b>Cache (2.5" SATA SSD)</b>	2 x 480GB (in rear)	2 x 480GB (in rear)
<b>Drive Count</b>	24 x 3.5" HDD + 2 x 2.5" SSD	24 x 3.5" HDD + 2 x 2.5" SSD
<b>Optional GPU</b>	N/A	N/A
<b>Max Domain Size</b>	Unlimited	Unlimited
<b>Max Nodes per vPG</b>	12 nodes	12 nodes
<b>Min Nodes per vPG</b>	1 node	1 node
<b>Max vPG Capacity</b>	4.0PB	4.0PB
<b>Network Connectivity</b>	6 x 10 GbE (SFP+ or RJ45)	4 x 10 GbE (RJ45 or SFP+)
<b>Power Supplies</b>	2 x 1100W AC Platinum	2 x 1100W AC Platinum
<b>Physical Specifications</b>	Height: 3.41 in. (8.7cm) Width: 17.63 in. (44.8cm) Depth: 33.3 in. (83.5cm) Weight: 88.2 lbs. (40 kg)	Height: 3.41 in. (8.7cm) Width: 17.63 in. (44.8cm) Depth: 33.3 in. (83.5cm) Weight: 88.2 lbs. (40 kg)
<b>Ambient Temperature</b>	50°F to 86°F (10°C to 30°C)	50°F to 86°F (10°C to 30°C)
<b>Operating Relative Humidity</b>	Info Not Available	Info Not Available
<b>Thermal Rating</b>	4100 BTU/hr.	4100 BTU/hr.

Item	V5-2000 (S2) Surveillance Appliance	V5-2000s (S2) Storage Appliance
<b>Hyperconverged Software Platform</b>	Pivot3 Acuity Surveillance Edition	Pivot3 Acuity Surveillance Edition
<b>Server Platform</b>	SuperMicro 6029P	SuperMicro 6029P
<b>Hypervisor Platform</b>	VMware ESXi Foundation	None
<b>Form Factor</b>	2U	2U
<b>Processor</b>	2x 12 Core Intel Xeon 4116 (2.10 - 3.00 GHz) <u>or</u> 2 x 20 Core Intel Xeon 6138 (2.00 GHz - 3.70GHz)	2 x 6 Core Intel Xeon 3104 (1.70 GHz)
<b>RAM</b>	64, 96, 192GB	32, 64GB
<b>Appliance Capacity</b>	288, 336TB	288, 336TB
<b>3.5" SATA HDD</b>	12, 14TB	12, 14TB
<b>Cache (2.5" SATA SSD)</b>	2 x 480GB (in rear)	2 x 480GB (in rear)
<b>Drive Count</b>	24 x 3.5" HDD + 2 x 2.5" SSD	24 x 3.5" HDD + 2 x 2.5" SSD
<b>Optional GPU</b>	N/A	N/A
<b>Max Domain Size</b>	Unlimited	Unlimited
<b>Max Nodes per vPG</b>	12 nodes	12 nodes
<b>Min Nodes per vPG</b>	1 node	1 node
<b>Max vPG Capacity</b>	4.0PB	4.0PB
<b>Network Connectivity</b>	6 x 10 GbE (SFP+ or RJ45)	4 x 10 GbE (RJ45 or SFP+)
<b>Power Supplies</b>	2 x 1600W (200-240Vac)	2x 1600W (200-240Vac)
<b>Physical Specifications</b>	Height: 3.5 in. (8.9cm) Width: 17.2 in. (43.7cm)) Depth: 34 in. (863cm) Depth (with cable management): 41 in (104.1 cm) Weight: 90.6 lbs. (41 kg)	Height: 3.5 in. (8.9cm) Width: 17.2 in. (43.7cm)) Depth: 34 in. (863cm) Depth (with cable management): 41 in (104.1 cm) Weight: 90.6 lbs. (41 kg)
<b>Rack Requirements*</b>	Standard EIA (Electronic Industries Alliance) 19" Racks: 24 in.(60cm) or 29.5 in.(75cm) x 47.2 in.(120cm) Functional: 29.5 in.(75 cm) x 39.4 in.(100cm) – (Rails & Cable Mgmt. stick out)	
<b>Ambient Temperature</b>	50°F to 95°F (10°C to 35°C)	50°F to 95°F (10°C to 35°C)
<b>Operating Relative Humidity</b>	8% to 90% (non-condensing)	8% to 90% (non-condensing)
<b>Thermal Rating</b>	5,456 BTU/hr (at 1600W)	5,456 BTU/hr (at 1600W)

\* 52" of clearance is required in front of the rack for installation, which is more than 2 standard tiles (48")

## Technical Specifications – Surveillance Series

### 2U Virtual SOC Appliances (L2)



Item	V5-6400 (L2) Virtual SOC Appliance
<b>Hyperconverged Software Platform</b>	Pivot3 Acuity Surveillance Edition
<b>Server Platform</b>	Lenovo ThinkSystem SR650
<b>Hypervisor Platform</b>	VMware ESXi 6.5
<b>Form Factor</b>	2U
<b>Processors</b>	2 x 12 Core Intel Xeon 4214 (2.20 GHz) <u>or</u> 2 x 20 Core Intel Xeon 6230 (2.10 GHz) <u>or</u> 2 x 24 Core Intel Xeon 6252 (2.10 GHz)
<b>RAM</b>	64, 96, 128, 160, 192GB
<b>Appliance Capacity</b>	1.92, 3.84, 15.3TB
<b>2.5" SATA SSD</b>	480, 960, 3840GB
<b>Drive Count</b>	4 x 2.5" SSD
<b>Optional GPU</b>	Up to 5x NVIDIA T4 <u>or</u> Up to 4x NVIDIA RTX4000
<b>Max Domain Size</b>	Unlimited
<b>Max Nodes per vPG</b>	16 nodes
<b>Min Nodes per vPG</b>	1 nodes
<b>Max vPG Capacity</b>	244TB
<b>Network Connectivity</b>	6 x 10 GbE (SFP+ or RJ45)
<b>Power Supplies</b>	0-2 GPU = 2x 1100 AC Platinum 3-5 GPU = 2x 1600 AC Platinum
<b>Physical Specifications</b>	Height: 3.4 in. (8.7 cm) Width: 17.5 in. (44.5 cm) Depth: 28.3 in. (72 cm) Weight: Max config: 70.5 lbs. (32 kg)
<b>Ambient Temperature</b>	50°F to 95°F (10°C to 35°C) (Altitude < 900 m or 2953 ft.)
<b>Operating Relative Humidity</b>	8% - 80% (non-condensing); maximum dew point: 21 °C (70 °F)
<b>Thermal rating</b>	1100W PSU = 4804 BTU/hr. (@1408 watts) or 1600W PSU = 7056 BTU/hr. (@2024 watts)
<b>Certifications</b>	ENERGY STAR 2.1 for Servers, UL/IEC 60950-1, FCC part 15 class A,

## Technical Specifications – Surveillance Series

### 2U Virtual SOC Appliances (D2)



Item	V5-6400 (D2) Virtual SOC Appliance
<b>Hyperconverged Software Platform</b>	Pivot3 Acuity Surveillance Edition
<b>Server Platform</b>	Dell PowerEdge R740
<b>Hypervisor Platform</b>	VMware ESXi 6.5
<b>Form Factor</b>	2U
<b>Processors</b>	2 x 12 Core Intel Xeon 4214 (2.20 GHz) <u>or</u> 2 x 20 Core Intel Xeon 6230 (2.10 GHz) <u>or</u> 2 x 24 Core Intel Xeon 6252 (2.10 GHz)
<b>RAM</b>	64, 96, 128, 160, 192GB
<b>Appliance Capacity</b>	1.92, 3.84, 15.3TB
<b>2.5" SATA SSD</b>	480, 960, 3840GB
<b>Drive Count</b>	4 x 2.5" SSD
<b>Optional GPU</b>	Up to 5x NVIDIA T4 <u>or</u> Up to 4x NVIDIA RTX4000
<b>Max Domain Size</b>	Unlimited
<b>Max Nodes per vPG</b>	16 nodes
<b>Min Nodes per vPG</b>	1 nodes
<b>Max vPG Capacity</b>	244TB
<b>Network Connectivity</b>	6 x 10 GbE (SFP+ or RJ45)
<b>Power Supplies</b>	0-2 GPU = 2x 1100 AC Platinum 3-5 GPU = 2x 1600 AC Platinum
<b>Physical Specifications</b>	Height: 3.4 in. (8.6 cm) Width: 17.1 in. (43.4 cm) Depth: 28.2 in. (71.5 cm) Weight: Max config: 57.98 lbs. (26.3kg)
<b>Ambient Temperature</b>	50°F to 95°F (10°C to 35°C) (Altitude < 900 m or 2953 ft.)
<b>Operating Relative Humidity</b>	10% to 80% relative humidity with 84.2°F (29°C) maximum dew point
<b>Thermal rating</b>	1100W PSU = 4100 BTU/hr. 1600W PSU = 6000 BTU/hr.
<b>Certifications</b>	ENERGY STAR 2.0 for Servers