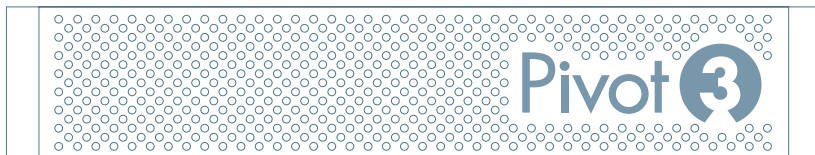




Pivot3 Surveillance Series

TECHNICAL SPECIFICATIONS



Technical Specifications – Surveillance Series

2U Surveillance Appliances (L2)



Item	V5-2000 (L2) Surveillance Appliance	V5-2000s (L2) Storage Appliance
Hyperconverged Software Platform	Pivot3 Acuity Surveillance Edition	Pivot3 Acuity Surveillance Edition
Server Platform	Lenovo ThinkSystem SR650	Lenovo ThinkSystem SR650
Hypervisor Platform	VMware ESXi Foundation	None
Form Factor	2U	2U
Processor	1 or 2 x 12 Core Intel Xeon 4116 (2.10 – 3.00 GHz)	1 x 6 Core Intel Xeon 3104 (1.70 GHz)
CPU Cores	12 or 24	6
RAM	48, 96GB	32GB
Appliance Capacity	12, 24, 48, 96, 120, 144TB	12, 24, 48, 96, 120, 144TB
3.5" SATA HDD	12 x 1, 2, 4, 8, 10, 12TB	12 x 1, 2, 4, 8, 10, 12TB
Cache (2.5" SATA SSD)	2 x 480GB (in rear)	2 x 480GB (in rear)
Drive Count	12 x 3.5" HDD + 2 x 2.5" SSD	12 x 3.5" HDD + 2 x 2.5" SSD
Max Domain Size	Unlimited	Unlimited
Max Nodes per vPG	12 nodes	12 nodes
Min Nodes per vPG	1 node	1 node
Max vPG Capacity	1.7PB	1.7PB
Network Connectivity	6 x 10 GbE (SFP+ or RJ45)	4 x 10 GbE (RJ45 or SFP+)
Power Supplies	2 x 1100W AC Platinum	2 x 750W AC Platinum
Physical Specifications	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)
Ambient Temperature	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.)
Operating Relative Humidity	8% - 80% (non-condensing); maximum dew point: 21 °C (70 °F)	8% - 80% (non-condensing); maximum dew point: 21 °C (70 °F)
Thermal Rating	4804 BTU/hr. (@1408 watts)	3269 BTU/hr. (@958 W)
Certifications	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
Hyperconverged Software Platform	Pivot3 Acuity Surveillance Edition	Pivot3 Acuity Surveillance Edition
Server Platform	Dell PowerEdge R740xd	Dell PowerEdge R740xd
Hypervisor Platform	VMware ESXi Foundation	None
Form Factor	2U	2U
Processor	1 or 2 x 12 Core Intel Xeon 4116 (2.10 – 3.00 GHz)	1 x 6 Core Intel Xeon 3104 (1.70 GHz)
CPU Cores	12 or 24	6
RAM	48, 96GB	32GB
Appliance Capacity	16, 32, 64, 128, 160, 192TB	16, 32, 64, 128, 160, 192TB
3.5" SATA HDD	16 x 1, 2, 4, 8, 10, 12TB	16 x 1, 2, 4, 8, 10, 12TB
Cache (2.5" SATA SSD)	2 x 480GB (in rear)	2 x 480GB (in rear)
Drive Count	16 x 3.5" HDD + 2 x 2.5" SSD	16 x 3.5" HDD + 2 x 2.5" SSD
Max Domain Size	Unlimited	Unlimited
Max Nodes per vPG	12 nodes	12 nodes
Min Nodes per vPG	1 node	1 node
Max vPG Capacity	2.3PB	2.3PB
Network Connectivity	6 x 10 GbE (SFP+ or RJ45)	4 x 10 GbE (RJ45 or SFP+)
Power Supplies	2 x 1100W AC Platinum	2 x 750W AC Platinum
Physical Specifications	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)
Ambient Temperature	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)
Operating Relative Humidity	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
Thermal Rating	4100 BTU/hr.	2891 BTU/hr
Certifications	ENERGY STAR 2.0 for Servers	ENERGY STAR 2.0 for Servers

2U Large-Scale Surveillance Appliances (S2)



Item	V5-2000 (S2) Surveillance Appliance	V5-2000s (S2) Storage Appliance
Hyperconverged Software Platform	Pivot3 Acuity Surveillance Edition	Pivot3 Acuity Surveillance Edition
Server Platform	SuperMicro 6029P	SuperMicro 6029P
Hypervisor Platform	VMware ESXi Standard	None
Form Factor	2U	2U
Processor	2x 12 Core Intel Xeon 4116 (2.10 - 3.00 GHz) or 2 x 20 Core Intel Xeon 6138 (2.00 GHz - 3.70GHz)	1 x 6 Core Intel Xeon 3104 (1.70 GHz)
CPU Cores	12 or 20 per CPU (24 or 40 total)	6 per CPU (12 total)
RAM	64GB for 12 Core, 96GB for 20 Core CPU	32GB
Appliance Capacity	192, 240, 288 TB	192, 240, 288 TB
3.5" SATA HDD	24 x 8, 10, 12 TB	24 x 8, 10, 12 TB
Cache (2.5" SATA SSD)	2 x 480GB (in rear)	2 x 480GB (in rear)
Drive Count	24 x 3.5" HDD + 2 x 2.5" SSD	24 x 3.5" HDD + 2 x 2.5" SSD
Max Domain Size	Unlimited	Unlimited
Max Nodes per vPG	12 nodes	12 nodes
Min Nodes per vPG	1 node	1 node
Max vPG Capacity	3.45 PB	3.45 PB
Network Connectivity	6 x 10 GbE (SFP+ or RJ45)	4 x 10 GbE (RJ45 or SFP+)
Power Supplies	2 x 1600W (1600W available with 200-240Vac)	2 x 1600W (1600W available with 200-240Vac)
Physical Specifications	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)
Rack Requirements*	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)	
Ambient Temperature	50°F to 95°F (10°C to 35°C)	50°F to 95°F (10°C to 35°C)
Operating Relative Humidity	8% to 90% (non-condensing)	8% to 90% (non-condensing)
Thermal Rating	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 Security Appliances (L2)



Item	V5-6400 (L2) Virtual Security Appliance
Hyperconverged Software Platform	Pivot3 Acuity Surveillance Edition
Server Platform	Lenovo ThinkSystem SR650
Hypervisor Platform	VMware ESXi 6.5
Form Factor	2U
Processors	2 x 20 Core Intel Xeon 6138 (2.00 GHz – 3.70GHz)
CPU Cores	40
RAM	384, 768, 1536GB
Appliance Capacity	3.84TB
2.5" SATA SSD	480GB
Drive Count	8 x 2.5" SSD
Optional GPU*	Up to 2 x NVIDIA Tesla M10 or 2 x NVIDIA Tesla M60
Optional PCoIP Offload	1 x Teradici Apex
Max Domain Size	Unlimited
Max Nodes per vPG	16 nodes
Min Nodes per vPG	1 nodes
Max vPG Capacity	60.8TB
Network Connectivity	6 x 10 GbE (SFP+ or RJ45)
Power Supplies	2 x 1600W AC Platinum
Physical Specifications	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)
Ambient Temperature	50°F to 95°F (10°C to 35°C) (Altitude < 900 m or 2953 ft.)
Operating Relative Humidity	8% - 80% (non-condensing); maximum dew point: 21 °C (70 °F)
Thermal rating	7056 BTU/hr. (@2024 watts)
Certifications	ENERGY STAR 2.1 for Servers, UL/IEC 60950-1, FCC part 15 class A,

Item	V5-6400 (D2) Virtual Security Appliance
Hyperconverged Software Platform	Pivot3 Acuity Surveillance Edition
Server Platform	Dell PowerEdge R740
Hypervisor Platform	VMware ESXi 6.5
Form Factor	2U
Processors	2 x 20 Core Intel Xeon 6138 (2.00 GHz – 3.70GHz)
CPU Cores	40
RAM	384, 768, 1536GB
Appliance Capacity	3.84TB
2.5" SATA SSD	480GB
Drive Count	8 x 2.5" SSD
Optional GPU*	Up to 2 x NVIDIA Tesla M10 or 2 x NVIDIA Tesla M60
Optional PCoIP Offload	1 x Teradici Apex
Max Domain Size	Unlimited
Max Nodes per vPG	16 nodes
Min Nodes per vPG	1 nodes
Max vPG Capacity	60.8TB
Network Connectivity	6 x 10 GbE (SFP+ or RJ45)
Power Supplies	2 x 1600W AC Platinum (GPU only)
Physical Specifications	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)
Ambient Temperature	50°F to 95°F (10°C to 35°C) (Altitude < 950 m or 3117 ft)
Operating Relative Humidity	10% to 80% relative humidity with 84.2°F (29°C) maximum dew point
Thermal rating	6000 BTU/hr.
Certifications	ENERGY STAR 2.0 for Servers

Technical Specifications – Surveillance Series

1U Edge Protect Appliance (L2)



Item	Edge Protect Appliance (D1)
Hyperconverged Software Platform	Pivot3 vSTAC
Server Platform	Dell PowerEdge R330
Hypervisor Platform	VMware ESXi 6.5 (incl. vCenter Server Foundation)
Form Factor	1U
Processor	1 x 6 Core Intel Xeon E3-1270 v5 (3.60 GHz – 4.00GHz)
RAM	16, 32, 64GB
Appliance Capacity	4, 8, 16, 32TB
3.5” SATA HDD	4 x 1,2,4,8TB
Drive Count	4 x 3.5” HDD
Max Domain Size	Unlimited
Max Nodes per vPG	6 appliances
Min Nodes per vPG	1 node
Max vPG Capacity	128TB
Network Connectivity	4 x 1 GbE (RJ45)
Power Supplies	2 x 350W
Physical Specifications	6 x 10 GbE (SFP+ or RJ45)
Ambient Temperature	2 x 1600W AC Platinum (GPU only)
Operating Relative Humidity	Height: 1.68 in (42.8 mm) Width: 17.08 in (43.40 cm) without rack latches Depth: (includes bezel): 26.66 (67.73 cm) with redundant power supply unit Weight: (30.42lb) 13.8 kg maximum configuration
Thermal Rating	50°F to 95°F (10°C to 35°C)
Certifications	10% to 80% Relative Humidity with 84.2% (29°C) maximum dew point
Thermal rating	1357.1 BTU/hr.
Certifications	Not Available

Item	Video Archiver
Operating System	Windows Server 2012 R2
Server Platform	Supermicro SSG-6048R-E1CR60N
Hypervisor Platform	None
Form Factor	4U
Processor	2 x 6 Core Intel Xeon E5-2620 v3 (2.40 GHz - 3.20 GHz)
RAM	128GB
Appliance Capacity	480 TB (378TB Usable)
3.5" SATA HDD	8TB
Drive Count	60 x 3.5" HDD
Network Connectivity	Min: 2 x 10GbE (RJ45) (Cam traffic), 2 x 1GbE (RJ45) (Management), 1 x 1GbE (RJ45) (IPMI remote access, in-built)
Power Supplies	2 x 2000W
Physical Specifications	Height: 7" (178mm) Width: 17.2" (437mm) Depth: 30.2" (767mm) Weight: 170.5 lbs (77.3 kg)
Ambient Temperature	50°F to 95°F (10°C to 35°C)
Operating Relative Humidity	8% to 90% (non-condensing)
Thermal Rating	N/A
Certifications	UL/cUL/CB/BSMI/CE/CCC