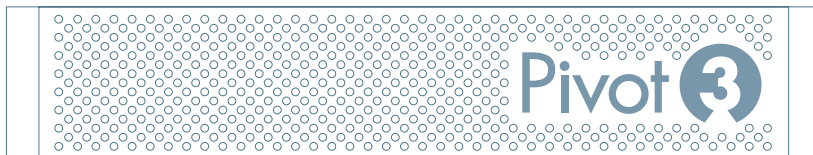




Pivot3 Surveillance Series

TECHNICAL SPECIFICATIONS



Watch - Surveillance Appliances (L1) and Data - Storage Appliances (L1)



Item	Watch (L1)	Data (L1)
Hyperconverged Software Platform	vSTAC	vSTAC
Server Platform	Lenovo System x3650	Lenovo System x3650
Hypervisor Platform	VMware Foundation	None
Form Factor	2U	2U
Processor	1 x 10 Core E5-2640v4 (2.40 – 3.40 GHz) 2 x 10 Core E5-2640v4 (2.40 – 3.40 GHz)	1 x 6 Core Xeon E5-2603V4 (1.70 GHz)
CPU Cores	10 or 20	6
RAM	32, 48, 64, 128GB	32, 64GB
Appliance Capacity	12, 24, 48, 72, 96, 120, 144TB	12, 24, 48, 72, 96, 120, 144TB
3.5” SATA HDD	12 x 1TB, 2TB, 4TB, 6TB, 8TB, 10TB, 12TB	12 x 1TB, 2TB, 4TB, 6TB, 8TB, 10TB, 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	1.73PB	1.73PB
Network Connectivity	2 x 10 GbE (RJ45 or SFP+) 4 x 1Gb RJ45	2 x 10 GbE (RJ45 or SFP+) 4 x 1Gb RJ45
Power Supplies	2 x 750W AC Platinum	2 x 750W AC Platinum
Physical Specifications	Height: 3.4 in. (8.7 cm) Width: 17.1 in. (43.4 cm) Depth: 29.7 in. (75.5 cm) Weight: Max config: 74.8 lbs. (34 kg)	Height: 3.4 in. (8.7 cm) Width: 17.1 in. (43.4 cm) Depth: 29.7 in. (75.5 cm) Weight: Max config: 74.8 lbs. (34 kg)
Ambient Temperature	41°F to 104°F (5°C to 40°C) (Altitude < 950 m or 3,117 ft.)	41°F to 104°F (5°C to 40°C) (Altitude < 950 m or 3,117 ft.)
Operating Relative Humidity	8% - 85% (non-condensing); maximum dew point: 24 °C (75.2 °F)	8% - 85% (non-condensing); maximum dew point: 24 °C (75.2 °F)
Thermal Rating	Min Config: 525 Btu/hr (154 watts) Max Config: 6667 Btu/hr (1954 watts)	Min Config: 525 Btu/hr (154 watts) Max Config: 6667 Btu/hr (1954 watts)
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,

Watch - Surveillance Appliances (D1) and Data - Storage Appliances (D1)



Item	Watch (D1)	Data (D1)
Hyperconverged Software Platform	vSTAC	vSTAC
Server Platform	Dell PowerEdge R730xd	Dell PowerEdge R730xd
Hypervisor Platform	VMware Foundation	None
Form Factor	2U	2U
Processor	1 x 10 Core E5-2640v4 (2.40 – 3.40 GHz) 2 x 10 Core E5-2640v4 (2.40 – 3.40 GHz)	1 x 6 Core Xeon E5-2603v4 (1.70 GHz)
CPU Cores	10 or 20	6
RAM	32, 48, 64, 128GB	16, 24, 64GB
Appliance Capacity	12, 24, 48, 72, 96, 120, 128, 160TB	12, 24, 48, 72, 96, 120, 128, 160TB
3.5" SATA HDD	12 x 1TB, 2TB, 4TB, 6TB, 8TB, 10TB 16 x 8TB, 10TB	12 x 1TB, 2TB, 4TB, 6TB, 8TB, 10TB 16 x 8TB, 10TB
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 16 x 3.5" HDD + 2 x 2.5" SSD	12 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	1.92PB	1.92PB
Network Connectivity	4 x 10GbE RJ45 + 2 x 1GbE RJ45 or 6 x 10GbE SFP+	2 x 10GbE RJ45 + 2 x 1GbE RJ45 or 4 x 10GbE SFP+
Power Supplies	2 x 750W 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: 71.5 lbs. (32.5 kg)	Height: 3.4 in. (8.7 cm) Width: 17.5 in. (44.5 cm) Depth: 28.3 in. (72 cm) Weight: Max config: 71.5 lbs. (32.5 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	5% to 95% RH with 33°C (91°F) maximum dew point	5% to 95% RH with 33°C (91°F) maximum dew point
Thermal Rating	2891 BTU/hr Maximum	2891 BTU/hr Maximum
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,

Item	VSS (L1)
Hyperconverged Software Platform	vSTAC
Server Platform	Lenovo System x3650
Hypervisor Platform	VMware ESXi 6.0
Form Factor	2U
Processor	2x 10 Core Intel E5-2640v4 (2.40 GHz – 3.40GHz) or 2 x 18 Core Intel E5-2695v4 (2.10 GHz - 3.30 GHz)
CPU Cores	20 or 36
RAM	64GB, 128GB, 256GB, 384GB, 512GB, 640GB, 768GB, 1.5TB
Appliance Capacity	12TB, 24TB, 48TB, 72TB, 96TB, 120TB, 144TB
3.5” SATA HDD	12 x 1TB, 2TB, 4TB, 6TB, 8TB, 10TB, 12TB
Cache (2.5” SATA SSD)	2 x 480GB SSD (in rear)
Drive Count	12 x 3.5” + 2 x 2.5” (in rear)
Optional GPU	1 x NVIDIA Tesla M10 or M60
Optional PCoIP Offload	1 x Teradici Apex
Max Domain Size	Unlimited
Max Nodes per vPG	12 (Can be added to a Watch or Data, or VSS vPG)
Min Nodes per vPG	1 (Can be added to a Watch or Data, or VSS vPG)
Max vPG Capacity	1.72PB
Network Connectivity	2 x 10 GbE (RJ45 or SFP+) 4 x 1Gb RJ45
Power Supplies	Titanium efficiency 1300W
Physical Specifications	Height: 3.4 in. (8.7 cm) Width: 17.1 in. (43.4 cm) Depth: 29.7 in. (75.5 cm) Weight: Max config: 74.8 lbs. (34 kg)
Ambient Temperature	41°F to 104°F (5°C to 40°C) (Altitude < 950 m or 3,117 ft.)
Operating Relative Humidity	8% - 85% (non-condensing); maximum dew point: 24 °C (75.2 °F)
Thermal Rating	Min Config: 525 Btu/hr (154 watts) Max Config: 6667 Btu/hr (1954 watts)
Certifications	ENERGY STAR 2.1 for Servers, UL/IEC 60950-1, FCC part 15 class A,

Item	VSS (D1)
Hyperconverged Software Platform	vSTAC
Server Platform	Dell PowerEdge R730xd
Hypervisor Platform	VMware ESXi 6.0
Form Factor	2U
Processor	2x 10 Core Intel E5-2640v4 (2.40 GHz – 3.40GHz) or 2 x 18 Core Intel E5-2695v4 (2.10 GHz - 3.30 GHz)
CPU Cores	20 or 36
RAM	64GB, 128GB, 256GB, 384GB, 512GB, 640GB, 768GB, 1.5TB
Appliance Capacity	12, 24, 48, 72, 96, 128, 160TB
3.5” SATA HDD	12 x 1TB, 2TB, 4TB, 6TB, 8TB 16 x 8TB, 10TB
Cache (2.5” SATA SSD)	2 x 400GB SSD (in rear)
Drive Count	12 x 3.5” + 2 x 2.5” (in rear) 16 x 3.5” + 2 x 2.5” (in rear)
Optional GPU	1 x NVIDIA Tesla M10 or M60
Optional PCoIP Offload	1 x Teradici Apex
Max Domain Size	Unlimited
Max Nodes per vPG	12 (Can be added to a Watch or Data, or VSS vPG)
Min Nodes per vPG	1 (Can be added to a Watch or Data, or VSS vPG)
Max vPG Capacity	1.92PB
Network Connectivity	4 x 10GbE RJ45 + 2 x 1GbE RJ45 or 6 x 10GbE SFP+
Power Supplies	Platinum efficiency 1100W
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: 71.5 lbs. (32.5 kg)
Ambient Temperature	50°F to 95°F (10°C to 35°C) (Altitude < 950 m or 3117 ft.)
Operating Relative Humidity	5% to 95% RH with 33°C (91°F) maximum dew point
Thermal Rating	4100 BTU/hr Maximum
Certifications	ENERGY STAR 2.0 for Servers, CEC, CECP

Item	Edge Protect (D1)
Hyperconverged Software Platform	Pivot3 vSTAC
Server Platform	Dell PowerEdge R330
Hypervisor Platform	VMware 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	2x 350W
Physical Specifications	H: 1.68 in (42.8 mm) W: 17.08 in (43.40 cm) without rack latches D (includes bezel): 26.66 (67.73 cm) with redundant power supply unit Weight: (30.42lb) 13.8 kg maximum configuration
Ambient Temperature	50°F to 95°F (10°C to 35°C)
Operating Relative Humidity	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
Operating System	Windows Server 2012 R2
Physical Specifications	H: 7" (178mm) W: 17.2" (437mm) D: 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