



HIGH PERFORMANCE SCALABLE SERVER OPTIMIZED FOR UNITED VMS SERVER AND STORAGE SOLUTIONS

FLIR USS PREMIUM 2U SERVER

The FLIR Universal Systems Solutions Premium Server delivers the ideal balance of resources and affordability for your business, offering up to 112TB of storage and a new level of performance for video surveillance applications of all types. The Premium server is ideal for businesses seeking a multi-purpose rack server that offers excellent internal storage, redundancy and value in a compact chassis. Designed to address the requirements of IT environments, the unit comes loaded with system management capabilities, best-in-class processing performance and the ability to expand for future storage requirements.

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HIGH-PERFORMANCE

- Optimized for top efficiency and uptime
- Ability to connect to multiple networks in parallel
- Best-in-class processing performance – up to 112TB internal storage



COST SAVINGS

- Balanced set of resources, expandability and affordability
- Reduced unit count and Total Cost of Ownership (TCO)
- Reduced installation time with more consistency



PEACE OF MIND

- Redundancy and reliability
- Ease of use for technicians and easier problem solving
- 3 year ProSupport Next Business Day On-site
- Easy to expand and maintain
- OS installation optimized for United VMS

SPECIFICATIONS

General	
Form Factor	2U Rack Server
Hard Drive Bay	Flexible storage with up to 14 x 3.5" drives
Processor	Enterprise Eight-core Intel® Xeon® Silver processor
Chipset	Intel C620
Memory	16 GB RDIMM RAM
I/O Slots	1 PCIe slots
RAID Controller	Hardware RAID controller with Flash Backed Cache
OS Drive	240GB Mirrored SSD, BOSS Controller
Operating System	Microsoft Windows Server 2016 Embedded
Storage Drives	Enterprise class, Hot-swap HDDS 7.2K RPM SATA Max Internal Storage: 112TB
Communications	Embedded Dual Port 1Gb NIC
Systems Management	iDRAC9 Express (Enterprise License Upgrade Option)
Power Supply	Dual, Hot-plug, Redundant Power Supply, 750W, 100-240VAC 50/60Hz (auto)
Power Workload	110V: Max Potential Power: 650.6 watts 2219.9 btu/h 220V: Max Potential Power: 635.8 watts 2169.4 btu/h
USB Ports	Front: 2 x USB 2.0, Rear: 2 x USB 3.0
Rack Support	ReadyRails Sliding Rails
Dimensions (H x W x D)	86.8 x 434 x 647 mm (3.41" x 17.08" x 25.47")
Max Weight	31.11 kg (68.58 lb)
Warranty	3-year ProSupport and Next Business Day On-site Service (upgrades available)
Certifications	Nemko, CE, FCC, C-Tick, ICES, VCCI, CCC, BIS

Performance		
Setup	Service	Max Throughput
All-in-One	Recording Throughput	450 Mbps
	Viewing Throughput*	90 Mbps
	Transcoding	6 Streams
Archiver + Transcoder	Recording Throughput	550 Mbps
	Viewing Throughput*	110 Mbps
	Transcoding	9 Streams
Horizon	Max # Cameras = 150	450 Mbps

* Live and Playback

Model Numbers

USS Premium Enterprise, RAID-5		USS Premium Enterprise, RAID-5 with Hot Spare		USS Premium Enterprise, RAID-6*	
USS-PRM-24R5-16	USS-PRM-72R5-64	USS-PRM-32H5-16	USS-PRM-80H5-64	USS-PRM-32R6-16	USS-PRM-80R6-64
USS-PRM-32R5-24	USS-PRM-80R5-72	USS-PRM-40H5-24	USS-PRM-88H5-72	USS-PRM-40R6-24	USS-PRM-88R6-72
USS-PRM-40R5-32	USS-PRM-88R5-80	USS-PRM-48H5-32	USS-PRM-96H5-80	USS-PRM-48R6-32	USS-PRM-96R6-80
USS-PRM-48R5-40	USS-PRM-96R5-88	USS-PRM-56H5-40	USS-PRM-104H5-88	USS-PRM-56R6-40	USS-PRM-104R6-88
USS-PRM-56R5-48	USS-PRM-104R5-96	USS-PRM-64H5-48	USS-PRM-112H5-96	USS-PRM-64R6-48	USS-PRM-112R6-96
USS-PRM-64R5-56	USS-PRM-112R5-104	USS-PRM-72H5-56		USS-PRM-72R6-56	

*RAID 6 reduces Archiver Performance by 40%

Class Type	Raw Storage	RAID Type	Usable Storage
USS-PRM = Universal Systems Solutions Premium	XX = amount of raw storage TB	R5 = RAID-5 H5 = RAID-5 with Hot Spare R6 = RAID-6	XX = amount of usable storage TB

Specifications are subject to change without notice.
For the most up-to-date specs, go to www.flir.com

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