

1U VMS Optimised Server Range

Making VMS and analytics simple and affordable



COM-1U20-1A-4H

COMPUTE™ 1U, Optimised VMS, 1U Rack Server, up to 20 channels, single PSU, Intel® Atom® 4C, 8G RAM, 4 HDD bays

COM-1U40-1AP-4H

COMPUTE™ 1U, Optimised VMS, 1U Rack Server, up to 40 channels, single PSU, Intel® Atom® Plus 8C, 8G RAM, 4 HDD bays

COM-1U80-1X-4HR

COMPUTE™ 1U, Optimised VMS, 1U Rack Server, up to 80 channels, single PSU, Intel® Xeon®, 16GB RAM, 4 HDD bays, RAID5

COMPUTE™ Product Summary:

The COMPUTE™ VMS Optimised Server Range is purpose-built for the efficient driving of video management systems.

The COMPUTE™ VMS server is designed for reliability and resilience, with an SSD-based operating system. It provides 4x front-mounted, 3.5" HDD (Hard Disc Drive) bays for recording and storing CCTV video with Hot Swap and RAID options. RAID allows recorded video to be distributed across multiple HDDs, maximising data integrity and fault tolerance.

The COMPUTE™ VMS server has a network throughput of 1 or 4Gbits/sec. A dedicated, remote status and management network port is provided to allow a dashboard overview of the server health, viewed by the operator as a web page.

The COMPUTE™ VMS server comes with 09.00 - 17.00 technical support and return to base warranty. It has an option for next business day (NBD), on site 3 year to 7 year warranty, at extra cost.

COMPUTE™ Features:

VMS server optimised for VMS systems

1U rack server format (19")

4x 3.5" HDD storage bays in RAID and non RAID format

VMS server optimised for 20, 40 or 80 cameras (model and recording profile dependent)*

Intel® Atom® / Intel® Atom® Plus / Intel® Xeon® processor options

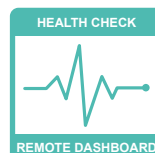
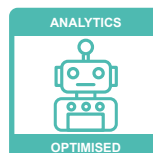
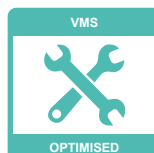
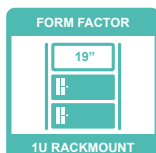
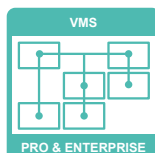
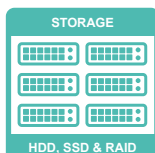
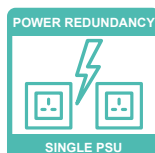
RAID Hot Swap resilience (COM 1U80-1X-4HR only)

Operating system - single, 250 / 480GB NVMe SSD drive for resilience

8 or 16GB RAM for rapid video processing

Multiple remote viewing client support - workstation, PCs and mobile devices

Single PSU - 350W



COMPUTE™

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Technical Specification:

Specification	Model	Description
CPU	COM-1U20-1A-4H COM-1U40-1AP-4H COM-1U80-1X-4HR	Intel® Atom® 4C Intel® Atom® Plus 8C Intel® Xeon® 6C/12T 12M cache (min)
RAM		8GB / 16GB (COM-1U80-1X-4HR only)
RAID	COM-1U80-1X-4HR (only)	Broadcom MegaRAID 12Gb/s SAS/SATA RAID controller, 1Gb DDR4 Cache, RAID 1 and 5 minimum
Storage		Chassis for 4x 3.5" HDDs / Hot Swap / RAID format
LAN		4x 1GbE Intel LAN and remote management port with Intel QuickAssist technology
PSU		Single Power Supply / 350W (Atom processors have block PSU)
Dimensions (mm)		503 D x 437 W x 43 H
Weight (less HDDs)		12.0 Kg
Operational Temperature		Operating relative humidity (H-H) 8 - 90% Operating Temperature (T-T) 10 - 35°C
Operating System		Windows® Server 2022
OS Drives		1x 250GB / 480 NVMe SSD
Dashboard Health Check		Included
Rack Rails		Included
Support		09.00 - 17.00 support
Warranty		3-year, return to base. Extended warranty and next business day (NBD) on site warranty available at extra cost
Recording profile <i>Other recording profiles are available</i>	COM-1U20-1A-4H	500 FPS capability (2MP, H265, HVEC) 20x 2MP cameras at 25FPS 40x 2MP cameras at 12FPS
	COM-1U40-1AP-4H	1000 FPS capability (2MP, H265, HVEC) 40x 2MP cameras at 25FPS 80x 2MP cameras at 12FPS
	COM-1U80-1X-4HR <i>(Dual PSU Option - COM 1U80-2X-4HR)</i>	2000 FPS capability (2MP, H265, HVEC) 80x 2MP cameras at 25FPS 160x 2MP cameras at 12FPS
		10x 4MP cameras at 25FPS 20x 4MP cameras at 15FPS 20x 4MP cameras at 25FPS 40x 4MP cameras at 15FPS 40x 4MP cameras at 25FPS 80x 4MP cameras at 15FPS

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