

2U Rack Client Range

Making VMS and analytics simple and affordable

OBS R-CLIENT i7 4M

OBSERVE™ 2U Rack Client for up to 4x monitors and 150x D1 concurrent video streams. Single NVIDIA® GPU, Dual PSU, Dual OS SSDs, 2Gbps.

CONFIRM™ Product Summary:

The OBSERVE™ 2U Rack Clients from VMS Ltd are optimised for live and playback viewing of many concurrent video streams within a VMS system, displaying them effectively across multiple monitors. The OBSERVE™ Rack Clients can be used for remote monitoring, remote viewing and videowalls within professional, video management software (VMS) applications.

The OBSERVE™ 2U Rack Clients use NVIDIA™ GPUs (Graphics Processing Units) to perform the video processing required for viewing multiple video streams, alongside the server CPU (Central Processing Unit) for system management. The GPU is specifically designed for fast video processing performance, enabling many camera channels to be viewed simultaneously on multiple monitors. They come with 4 or 8 mini Display Port (mDP) monitor connections.

Each OBSERVE™ 2U Rack Client model states the typical quantity of video channels it can process concurrently (based on a D1 visualisation stream not the HD recorded

OBS R-CLIENT i7 8M

OBSERVE™ 2U Rack Client for up to 8x monitors and 300x D1 concurrent video streams. Single NVIDIA® GPU, Dual PSU, Dual OS SSDs, 2Gbps.

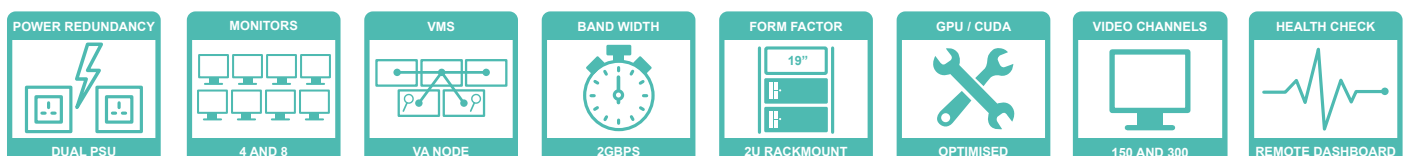
stream) and the number of monitors it can connect to and control. The OBSERVE™ Clients are available with a single NVIDIA GPU or DUAL NVIDIA GPUs, providing processing of 150 or 300 D1 (720x576 pixel) video streams respectively. This quantity of channels is based on viewing multiple D1 streams. The exact quantity of concurrent video channels processed depends on each video channel's configuration, with larger 1080p or 4k viewing streams using more available channel processing budget.

The OBSERVE™ 2U Rack Clients are designed for reliability and resilience, with dual PSU as standard and a RAID 1 mirrored SSD operating system. Dual NICs provide a network throughput of 2Gbps.

The OBSERVE™ 2U Rack Clients come with 09.00 - 17.00 technical support and return to base warranty. They have an option for next business day (NBD), on site 3 year to 7-year warranty, at extra cost.

OBSERVE™ Features:

- VMS-ready Client optimised for multi-channel, multi-monitor processing
- 2U rack server format (19")
- Optimised for 150 or 300 video channels and 4 or 8 monitors (depending on VMS type and configurations)
- NVIDIA GPU options
- Intel® Xeon® Silver processor options
- RAID Hot Swap resilience
- RAID 1 Mirrored operating system SSD drives for resilience and speed
- Dual PSU resilience built in
- Dual NIC bandwidth at 2Gbps



OBSERVE™

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Technical Specification:

Specification	Model	Description
Viewing Capability	OBS R-CLIENT i7 4M	150x D1 visualisation streams @15FPS/H264 (2250FPS) across up to 4x monitors 20x 1080p visualisation streams
	OBS R-CLIENT i7 8M	300x D1 visualisation streams @15FPS/H264 (4500FPS total) across up to 8x monitors 40x 1080p visualisation streams
Monitors	OBS R-CLIENT i7 4M	4x monitors / 4x mini Display Port connections
	OBS R-CLIENT i7 8M	8x monitors / 8x mini Display Port connections
GPU	OBS R-CLIENT i7 4M	NVIDIA® RTX A2000, 12 GB
	OBS R-CLIENT i7 8M	Dual NVIDIA® RTX A2000, 12 GB total 24GB
CPU		Intel® Xeon® Silver 12C/24T 30M Cache
RAM		2x 16GB
Storage (8 bay)		Chassis for 8x 3.5" HDDs / Hot Swap / RAID format
LAN		2x Gigabit LAN & Dedicated LAN for Health / Status & Remote KVM Management
PSU		Dual Power Supply
Dimensions (mm)		648 D x 437 W x 89 H
Weight (less HDDs)		23.6Kg
Operational Temperature		Operating relative humidity (H-H) 8 - 90% Operating Temperature (T-T) 10 - 35°C
Operating System		Windows® Server 2022
OS Drives		2x 480GB SSD Mirrored
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

Please note: Other Client specifications can be built on request.

Contact Details:

Video Management Servers Ltd.

Tel UK and Ireland: +44(0)161 480 5922

Technical Support: 07964 944 460

Email us info@videomanagementservers.co.uk

Head Office:

Video Management Servers Ltd.

Unit 3 Bamford Business Park

Hibbert Street

Stockport

Greater Manchester, UK

SK4 1PL



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