

> THE NEW 7THSENSE HIGH PERFORMANCE HARDWARE PLATFORM

Designed to be the host of Actor®, Conjuror®, and Delta Media Server® platforms.



> APPLICATIONS

- Virtual production
- Filmmaking
- Post-production VFX
- Real-time edits and collaboration
- Workflow enhancement
- XR
- Media-based attractions
- Projection mapping
- Mega canvasses
- Architectural LED
- Generative

> OVERVIEW

7thSense introduces the 'R-Series 10' hardware solution, catering to the needs of the most demanding generative projects and complex media-based attractions. Our product offerings include the highest quality video playback, pixel processing, and control solutions available today, enabling storytellers worldwide to fulfil their vision.

The R-Series hardware range is optimised for the most challenging of use cases and leverages the power of generative engines like Unreal Engine® and Unity®.

Designed from the ground up and certified for professional use and resale in countries around the world, our reliable hardware benefits from advanced PCIe 4.0 graphics cards and high-speed storage devices.

> KEY FEATURES & BENEFITS

- Hardware product certified to international safety and emissions standards
- Robust design
- Built on PCIe 4.0 technologies
- Compatible and tested for use with:
 - Delta Media Server®
 - Unreal Engine®
 - Unity®
 - Notch®
- Supports bespoke system solutions.
- Scalable and expandable with other 7thSense products.



> TECH SPECS

> HARDWARE

- 7 × PCIe 4.0 x16 slots
- NVIDIA professional graphics
- NVLink compatible
- 1600 W dual redundant power supply
- 128 GB RAM

> PERFORMANCE

- Notchmarks: 52432
- Blender Benchmark:
[Monster, Junk Shop, Classroom]
 - CPU: 186, 104, 85
 - GPU: 2556, 1418, 1245
- 3DMark:
 - CPU: 13037
 - GPU: 18543
- PassMark:
 - CPU: 42000
 - 3DGraphics: 30248.1
- Cinebench:
 - CPU MultiCore: 23787
 - CPU SingleCore: 1294

* Single graphics card benchmark scores

> HIGHLIGHTS

- PCIe 4.0 hardware based
- Tested and certified for deployment around the world, warranty and support included.
- Supports Delta Media Server®, Unreal®, Unity®, and Notch®.
- Rack mount and silent configuration options for ease of integration into production environments
- State-of-the-art graphics cards supporting genlock, framelock and swaplock
- SMPTE ST 2110 support
- Optional integration with 7thSense Juggler® product for seamless switching, IntelligentSource™ signal failover, source compositing
- Front panel LCD touch interface for health status, live input and/or output viewing and IP configuration running from a dedicated Linux-based subsystem meaning no compromise on main system performance





> HARDWARE SPECIFICATIONS

Video Outputs	4 × DisplayPort 1.4*
General Network	2 × 10 Gb/sec Ethernet
High Speed Network	2 × 100 Gb/sec Ethernet*
Data Peripherals	1 × USB 3.2 Gen 2x2 port 9 × USB 3.2 Gen 2 ports
Operating System	Windows® 10 Enterprise LTSC 21H2
Memory	128 GB DDR4 RAM*
Audio	8 × unbalanced analogue*
GPU	NVIDIA® RT™ A6000*
Motherboard Technology	PCIe 4.0
Media Storage	2 × 3.6 TB NVMe SSD (PCIe 4.0)*
Power	1600 W (dual redundant)*
Mounting System	3U 19" rack mount
Rackmount Dims (H × W × D)	113mm (3U) × 483mm × 620mm
Rackmount weight (approx.)	22kg

*Customisable based on requirements
Last updated: 26 Jan 2023

THE POWER BEHIND THE STORY

EXPLORE THE 7THSENSE PERFORMER RANGE

delta 

The original 7thSense media server product line, and the first to bring uncompressed media playback to the world.

R-10

The new 7thSense hardware platform. Designed to be the host of Actor®, Conjuror®, and Delta Media Server®.

medialon 

Our Show Control Range and Performer Range Connector
Connect to other brands and products within an installation, and outside of our ecosystem – e.g. lighting, audio, DSPs, FX hardware.


actor 

The next generation 7thSense media server – optimised for uncompressed video playback



juggler 

Our award-winning pixel processor range designed to be the backbone of complex high-resolution systems and mega canvasses to streamline, simplify and optimise workflows.

conjurer 

Our generative content solution – bringing generative engines into our Compere workflow such as Unreal®, Unity® and Notch®.

compere 

Our intelligent workflow Interface that brings together the Performer Range.

