

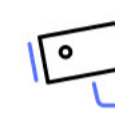


Lumana Core 1U

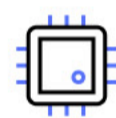
LUM452 / LUM454 / LUM456



Hybrid-cloud video security system with simple deployment and real-time edge processing



Optimizes existing camera infrastructure and brings visual intelligence to any workspace or environment



Best-in-class, self-learning AI algorithms tailored to your unique environment



Secure by default with enterprise-grade encryption and cybersecurity protocols

Lumana hybrid-cloud architecture



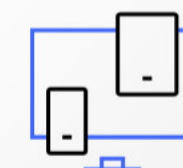
Any IP camera



Lumana Core



Lumana Cloud



Remote access

Camera agnostic

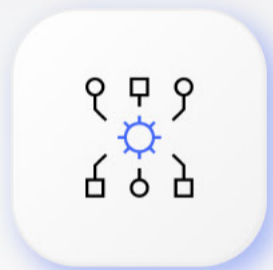
Open platform provides powerful AI analytics to any security camera for greater situational awareness and operational efficiency.

Actionable intelligence

Self-learning AI adapts to your environment to predict anomalies and trigger automatic alerts for more proactive response.

Infinitely scalable

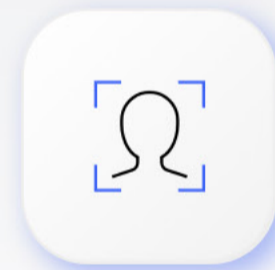
Manage unlimited cameras and users from one platform and utilize AI to empower your team to do more with fewer resources.



Modern system management

Designed for easy deployment and enhanced reliability, Lumana delivers the best from on-premise and cloud solutions for a modern and refined security experience.

- Centralized management and secure remote access
- Plug-and-play setup — integrate visual AI in minutes
- Automatic updates and system health monitoring



Next-generation AI features

Patented AI and machine learning algorithms empower your team to operate more efficiently by delivering unparalleled visibility and new business insights at scale.

- Receive real-time alerts for immediate response
- Find people or vehicles of interest in seconds
- New AI features and system upgrades at no cost



Secure by default

From camera endpoint to application security, Lumana features enterprise cybersecurity protocols to provide powerful AI video security built with data privacy in mind.

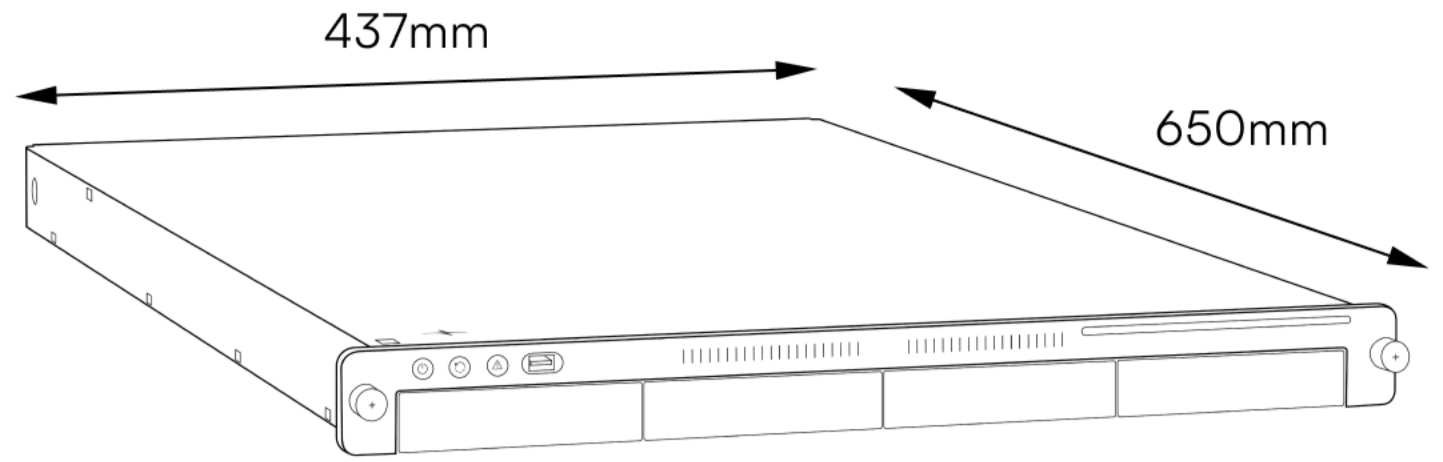
- End-to-end encryption for data at rest and in transit
 - No port forwarding or inbound network traffic
- Automatic security updates and routine pen tests



Built for enterprise deployments

Whether you have 50 or 500 cameras, Lumana simplifies security with modern video management and proactive AI to help you focus on what matters most.

- Easy-to-use software accessible from web or mobile app
- Real-time AI to help users operate 10x more efficiently
- Distributed architecture for better performance and cost



Core 1U

System

Processor	Intel® Xeon® Silver 4516Y+	RAM	64GB
OS drive	480GB NVMe	AI engine	NVIDIA
3rd party camera support	Yes	Camera capacity	Up to 64 cameras at 5MP
Power supply	2x 860W Redundant Titanium	Network	2 × 1 GbE RJ-45
Software	Lumana VMS+	Automatic updates	Yes
Bandwidth	Steady-state: 100 Kbps/camera	AI processing	Real-time
Storage retention	30/60/90 days* up to 88TB RAID support available		

Mechanical

Dimensions (H×W×L)	43 × 437× 650mm (1.7" × 17.2" × 25.6")	Weight	9.75kg (21.5 lbs)
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Environmental

Temperature	Operating: 10°C ~ 35°C (-13°F ~ 140°F) Non-operating: -30°C ~ 60°C (-22°F ~ 140°F)	Humidity	Operating: 8% to 80% (non-condensing) Non-operating: 8% to 90% (non-condensing)
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Ownership

Warranty	Lifetime**	Support	24/7 U.S. based support
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*Depends on customer selection

**Must remain a customer to qualify for lifetime warranty