

Aperis Vortex Mini Video Archiver

AI Based Video Compression System

Vortex is an AI-driven video archiving system that extends surveillance storage capacity by 2-10x. Instead of retaining footage for only a few weeks, Vortex enables recordings to be stored for months – even a year or longer – enhancing both forensic analysis and liability protection. The compact Vortex Mini supports up to 12 IP sources, saving to both cloud and local storage while running seamlessly in parallel with existing VMS systems.

- ◆ **Wide Camera Compatibility:** Works with hundreds of IP camera models via RTSP.
- ◆ **Extended Storage:** Stores video 2–10x longer using local or cloud storage.
- ◆ **Seamless Setup:** Integrates easily with existing networks for quick, hassle-free operation.
- ◆ **Smart Monitoring:** Email or text alerts in case of power, network, or equipment outage
- ◆ **Reliable & Efficient:** Compact, low-noise design, low-power, 3-year warranty
- ◆ **Secure:** Linux based OS, hardened security protocols



Rear



Front

Aperis Vortex Mini Video Archiver

Model	4002	4004	4008	4012
Storage				
SATA	512GB	1TB	2TB	4TB
Colud*	5TB	10TB	20TB	40TB
Video streaming				
Channels	2	4	8	12
Standard	H.264/H.265	H.264/H.265	H.264/H.265	H.264/H.265
Resolution	HD-10MP	HD-10MP	HD-10MP	HD-10MP
FPS	30	30	30	30
Audio Streaming				
Standard	MP3/ACC	MP3/ACC	MP3/ACC	MP3/ACC
Channels	2	4	8	12
System				
Processor	Intel Celeron	Intel Celeron	Intel Celeron	Intel Celeron
Model	J4125	J4125	J4125	J4125
Chipset	GeminiLake	GeminiLake	GeminiLake	GeminiLake
Threads	4 @ 2.7 GHz	4 @ 2.7 GHz	4 @ 2.7 GHz	4 @ 2.7 GHz
Type	DDR4	DDR4	DDR4	DDR4
Capacity	8GB	8GB	8GB	8GB
GPU				
Brand	Intel	Intel	Intel	Intel
Model	GeminiLake	GeminiLake	GeminiLake	GeminiLake
VRAM	1GB	1GB	1GB	1GB
Display				
Port 1	HDMI	HDMI	HDMI	HDMI
Port 2	DP	DP	DP	DP
Networking				
Wired 1	1.0 Gbps	1.0 Gbps	1.0 Gbps	1.0 Gbps
Wired 2	1.0 Gbps	1.0 Gbps	1.0 Gbps	1.0 Gbps
Wireless	Wi-Fi (802.11)	Wi-Fi (802.11)	Wi-Fi (802.11)	Wi-Fi (802.11)
Mechanical				
Width	5.3" (134mm)	5.3" (134mm)	5.3" (134mm)	5.3" (134mm)
Depth	4.72" (120mm)	4.72" (120mm)	4.72" (120mm)	4.72" (120mm)
Height	1.3" (33mm)	1.3" (33mm)	1.3" (33mm)	1.3" (33mm)
Weight	0.75 lbs	0.75 lbs	0.75 lbs	0.75 lbs
Electrical				
Supply Voltage	100-240VAC 50/60Hz	100-240VAC 50/60Hz	100-240VAC 50/60Hz	100-240VAC 50/60Hz
Max Power	10W	10W	10W	10W
SKU	4002-000-000	4004-01T-000	4008-02T-000	4012-04T-000

* Effective cloud storage capacity, post compression. Subscription fees apply. Customers must set up substreams if upload bandwidth is insufficient. Please refer to the Vortex calculator for bandwidth requirements. Specifications are subject to change without notice.