

Restorative AI Video Super Resolution at the Edge

SPAIQ ScaleUp

SPAIQ ScaleUp by Small Pixels is an AI-powered video enhancement solution that transforms low-resolution and bandwidth-constrained video feeds into high-quality HD and 4K content in real time. The application restores detail, sharpness, and visual clarity for security, manufacturing, media broadcast and streaming, and professional display environments.

Built on Intel® Core™ Ultra Series 3 processors and Intel® Xeon® 6 processors, and optimized with OpenVINO™ Toolkit and Deep Learning Streamer, SPAIQ ScaleUp delivers low-latency AI super resolution and video restoration without requiring discrete accelerators. Designed for scalable edge deployments, the solution helps organizations reduce bandwidth requirements, improve operator visibility, and improve computer vision accuracy across distributed environments.



Key Intel-Enabled Features



4K AI
Upscaling



Low
Latency



Bandwidth
Efficiency



Vision AI
Accuracy

- [OpenVINO™ Toolkit](#) accelerates AI super resolution to restore detail and upscale video to HD and 4K.
- [Intel® Core™ Ultra Series 3 processors](#) enable low-latency video enhancement for live edge workloads.
- [Deep Learning Streamer](#) and Intel®-optimized processing reconstructs quality from lower-bitrate video, reducing network demands.
- [Intel® Xeon® 6 processors](#) support high-density video processing across distributed edge and server environments.

By leveraging Intel® technologies, SPAIQ ScaleUp restores detail and clarity from low-resolution video streams, enabling bandwidth-efficient HD and 4K video enhancement at the edge.

Notices & Disclaimers:

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*SPAIQ ScaleUp by Small Pixels restores the details that matter, delivering **sharper video and clearer insights from bandwidth-constrained environments.***

Ordering Guidance:

- [Contact Us](#)

Country/Geo: Worldwide

Edge Verticals: Security & Surveillance; Manufacturing; Robotics

Edge Use Cases: Live Video Stream Analysis; Advanced Video Search; Quality Inspection; Quality Control; Robotics Vision Control

Learn more:

- [Small Pixels Website](#)