

HDSM SmartCodec Technology

Advanced Bandwidth Management

HDSM SmartCodec™ technology enables cameras on the Avigilon H4 Platform to increase bandwidth savings and reduce storage consumption while maintaining high-quality imaging. By lowering bandwidth at the camera, you can extend your network video recorder retention times and help lower your total cost of ownership.

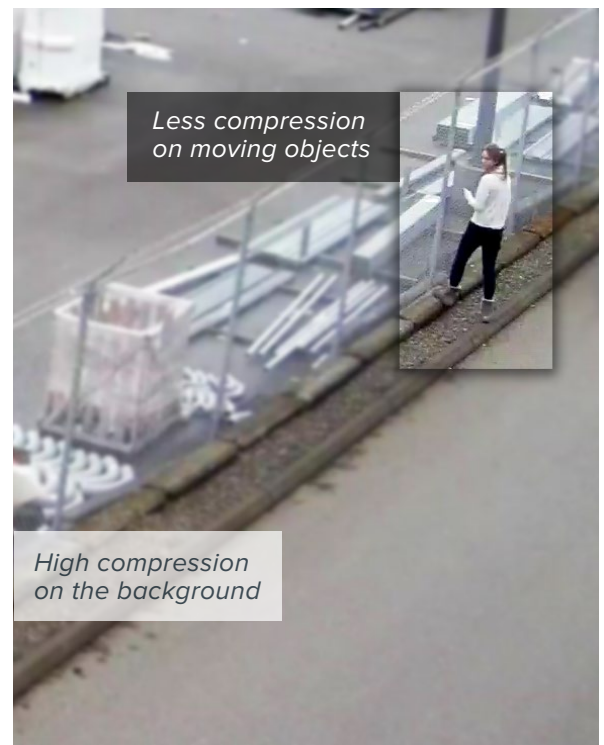
Up to 50% Bandwidth Reduction

When activated, HDSM SmartCodec technology automatically detects activity levels in multiple regions of a scene to optimize compression levels, reducing bandwidth by up to 50 percent compared to standard H.264 compression, while maintaining high image detail of the areas that matter most.

Works with Idle Scene Mode

The Idle Scene Mode feature is activated when the motion of objects within a scene is below the threshold set by the operator — it then triggers enabled cameras to stream with reduced frame rate and image quality to achieve even greater bandwidth and storage savings.

Supported Camera Line	Resolutions
H4 Multisensor*	32 MP 24 MP 20 MP 15 MP 12 MP 9 MP
H4 Pro	30 MP 24 MP 16 MP 12 MP 8 MP
H4 Fisheye	12 MP 6 MP
H4A	8 MP 5 MP 3 MP 2 MP 1 MP
H4 ES	8 MP 5 MP 3 MP 2 MP 1 MP
H4 Mini Dome	3 MP 2 MP 1.3 MP
H4 SL	3 MP 2 MP 1.3 MP
H4 Video Intercom	3 MP
H4 License Plate Capture	3 MP
H4 PTZ	2 MP 1 MP
H4 IR PTZ	2 MP 1 MP
H4 Thermal	320x256



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*Total combined resolution of all camera sensors.

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