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.

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**Supported Camera Line** | **Resolutions**
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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 | 1 MP
H4 License Plate Capture | 1 MP
H4 PTZ | 2 MP, 1 MP
H4 IR PTZ | 2 MP, 1 MP
H4 Thermal | 320x256

*Total combined resolution of all camera sensors.

Image has been simulated for illustrative purposes and does not represent actual image capture performance.

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