

HDSM SmartCodecTM Technology

HDSM SmartCodec technology enables Avigilon cameras* to optimize compression levels for regions in a scene to increase bandwidth savings, reduce storage consumption and maintain high-quality imaging.

By lowering your bandwidth at the camera, HDSM SmartCodec technology can extend your network video recorder (NVR) retention times and help to lower your total cost of ownership.

Supports a Broad Range of Camera Resolutions

HDSM SmartCodec technology is now built into all Avigilon H4 Platform camera lines:

- H4 Pro — 4K (8 MP), 4.5K (12 MP), 5K (16 MP), 6K (24 MP) and 7K (30 MP) resolutions
- H4 camera, dome and bullet models — 1 MP to 5 MP and 4K Ultra HD (8 MP) resolutions
- H4 ES camera, dome and bullet models — 1 MP to 5 MP and 4K Ultra HD (8 MP) resolutions, plus embedded Avigilon Control Center (ACC) software and up to 256 GB onboard storage in a solid-state drive (SSD)
- H4 SL dome and bullet models — 1.3 MP, 2 MP and 3 MP resolutions
- H4 PTZ — 1 MP and 2 MP resolutions
- H4 Fisheye — 6 MP and 12 MP resolutions, 360-degree panoramic field of view
- H4 Mini Dome — 1.3 MP, 2 MP and 3 MP resolutions



Reduces Bandwidth by up to 50 Percent

HDSM SmartCodec technology automatically detects activity levels in multiple regions of a scene to optimize compression levels, and reduce bandwidth and storage consumption, all while maintaining high image detail of the areas that matter most. As a result, when activated HDSM SmartCodec technology can reduce bandwidth by up to 50 percent.***

HDSM SmartCodec technology is designed to work with the Idle Scene Mode feature to achieve even greater bandwidth and storage savings.

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*Only available on Avigilon H4 Platform camera lines.

**This is a simulated image and does not represent actual image capture performance.

***When activated, HDSM SmartCodec technology can reduce bandwidth by up to 50 percent compared to standard H.264 compression.