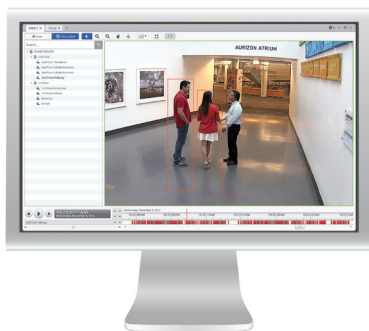


Avigilon Control Center™ 6 Software



ACC™ software is easy-to-use video management software that optimizes the way security professionals manage and interact with high-definition video. It efficiently captures and stores high-definition video, while intelligently managing bandwidth and storage using our patented High Definition Stream Management (HDSM)™ technology. ACC 6 software combines an intuitive interface with an advanced search function called Avigilon Appearance Search™ video analytics technology. Avigilon Appearance Search technology is a sophisticated search engine for video data that enables users to quickly locate a specific people of interest across an entire site.

RECORDING NVR PLATFORMS PURPOSE-BUILT FOR ACC



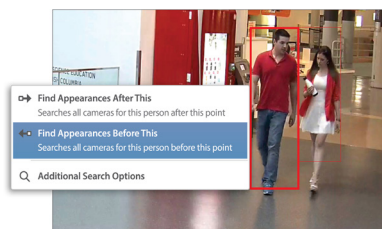
ACC software is pre-installed and configured on HD Video Appliances, HD Network Video Recorders (NVRs), HD NVR Workstations, ACC Edge Solution HD Recorders and the H4 Edge Solution (ES) camera line. It also works as a stand-alone software, to meet the needs of a wide variety of installations.

SELF-LEARNING ANALYTICS



ACC video management software enables analytics events and alarms to be viewed and searched through an intuitive user interface. Real-time events and forensic capabilities detect and notify scene changes and rules violations.

AVIGILON APPEARANCE SEARCH TECHNOLOGY



Avigilon Appearance Search video analytics technology is a sophisticated search engine for video data. It sorts through hours of footage with ease, to quickly locate people of interest across an entire site. Using Avigilon Appearance Search technology can dramatically improve incident response time and enhance forensic investigations by allowing operators to build robust video evidence and create a powerful narrative of events.

Advanced Control Center Features



HDSM™ Technology

Efficiently compresses and preserves image quality while intelligently managing HD image transmission throughout the Avigilon system — sending only the requested portions of captured images to operator workstations.



HDSM SmartCodec™ Support

Avigilon HDSM SmartCodec technology automatically optimizes compression levels for regions in a scene, to maximize bandwidth while still maintaining image quality.



Avigilon Appearance Search Technology

Allows you to quickly search recorded video to find instances of a person across the entire site from all Avigilon cameras with self-learning analytics.



Intelligent Search

Powerful search tools enable you to quickly search recorded video for motion, the presence of classified objects (people or vehicles), background changes in the scene (thumbnail search), and for events.



Simple Camera and Server Installation

Plug-and-play capabilities for NVRs and cameras that automatically identify themselves on the network, without manual configuration or searching — eliminating complex network configuration.



Alarm Escalation

Allows the creation of complete end-to-end workflows for the monitoring, assignment, and acknowledgement of alarms.



ACC Mobile

Provides push alarm notifications, access to live and recorded video, and integrated audio talkdown from Android and iOS mobile devices.



Detailed Management, Monitoring, and Reporting of System Status and Security

Detailed logs of storage, network, and overall system status to ensure the highest possible system uptime for critical applications.



POS Transaction Engine

Link HD surveillance footage (viewed instantly) with transaction data to address compliance requirements and reduce shrinkage and theft.



Scalable Integration with Legacy Systems

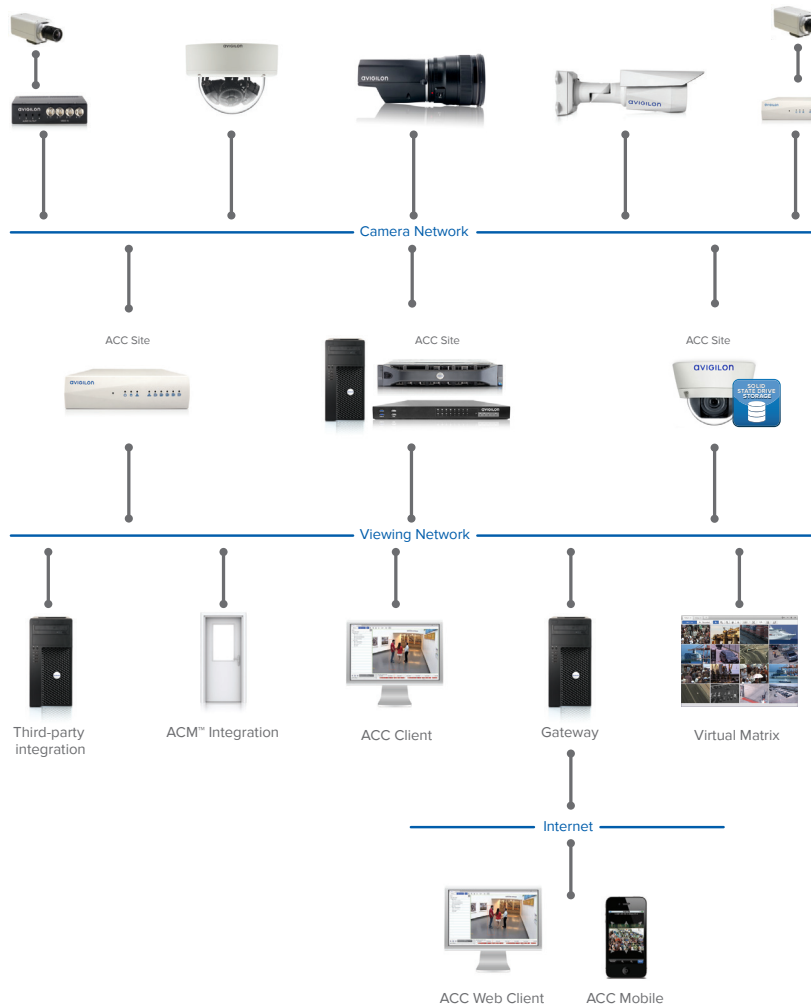
Distributed architecture features a .NET-based API that can easily be integrated with other systems, such as access control and building management.



ONVIF® Profile S Conformant VMS

ONVIF profile S conformance ensures interoperability between IP based ONVIF security devices regardless of manufacturer.

System Architecture



Core, Standard & Enterprise

To create a system most suited for your surveillance needs, the Avigilon Control Center software is offered in three editions: Core, Standard and Enterprise. The Enterprise edition includes more advanced features for a sophisticated solution, whereas the Standard edition is used for more focused needs or for those looking to transition to HD surveillance in a cost-effective way. ACC Core is an entry-level version of our award-winning software that delivers advanced high definition surveillance capabilities, ease of use, and superior image quality to smaller implementations. No matter what the size of your installation, you can customize a solution that is right for you.



SYSTEM	CORE	STANDARD	ENTERPRISE
Number of cameras per server	24	48	300
Number of cameras per site	24	48	10 000
Number of servers per site	1	1	100
Number of client licenses per server	2	5	Unlimited
High Definition Stream Management (HDSM)	Yes	Yes	Yes
HDSM SmartCodec Support	Yes	Yes	Yes

DEVICE SUPPORT	CORE	STANDARD	ENTERPRISE
Automatic device discovery	Yes	Yes	Yes
Third-party IP cameras & encoders	Yes	Yes	Yes
HD Pro cameras	No	No	Yes
H4 HD cameras with self-learning video analytics	Yes	Yes	Yes
HD cameras with self-learning video analytics	Yes	Yes	Yes
HD Micro Dome, HD Multisensor, HD Panoramic, HD PTZ, H4 Fisheye, H4 SL cameras	Yes	Yes	Yes
ONVIF cameras & encoders	Yes	Yes	Yes
Avigilon encoders	Yes	Yes	Yes
H.264 support	Yes	Yes	Yes
MPEG4 support	Yes	Yes	Yes
MJPEG support	Yes	Yes	Yes
JPEG2000 support	Yes	Yes	Yes

CLIENT	CORE	STANDARD	ENTERPRISE
Powerful, easy-to-use client interface	Yes	Yes	Yes
Self-learning video analytics overlay	Yes	Yes	Yes
Joystick support	Yes	Yes	Yes
ACC Mobile / HTML5 Web Client / Gateway	Yes	Yes	Yes
Saved views	No	Yes	Yes
Maps	No	Yes	Yes
Web pages	No	Yes	Yes
Windows user authentication	No	No	Yes
Editable Site View	Yes	Yes	Yes
Intelligent Virtual Matrix	No	No	Yes
Collaborative investigations	No	No	Yes
Multi-camera export	Yes	Yes	Yes
Live export	Yes	Yes	Yes
Hourly configurable recording schedule	Yes	Yes	Yes

SEARCHING	CORE	STANDARD	ENTERPRISE
Avigilon Appearance Search Technology	No	No	Yes
Intelligent motion search	Yes	Yes	Yes
Thumbnail search	Yes	Yes	Yes
Event search	Yes	Yes	Yes
POS transaction search	No	Yes	Yes
Alarm search	No	No	Yes
License plate event search	No	No	Yes

ADD-ON MODULES AND INTEGRATIONS	CORE	STANDARD	ENTERPRISE
Point of Sale Transaction Engine	No	Yes	Yes
Avigilon developed and supported integrations	No	Yes*	Yes
3rd party system integrations	No	Yes	Yes

*CommScope iPatch, RS2 AccessIt, DDS Aamadeus 5 and DSX only

ADDITIONAL FEATURES	CORE	STANDARD	ENTERPRISE
E-Mail event notification (motion & system event)	Yes	Yes	Yes
Central station notifications	No	Yes	Yes
Digital input email trigger	No	Yes	Yes
Manual digital output trigger	No	Yes	Yes
Audio recording	No	Yes	Yes
Audio output	No	Yes	Yes
Rule triggers	No	21	Unlimited
Self-learning video analytics event configuration	No	Yes	Yes
Redundant recording	No	No	Yes
Failover connections	No	No	Yes
Alarm escalation	No	No	Yes
Scheduled and one-time video archive	No	No	Yes
License Plate Recognition	No	No	Yes

For the most current list of integrations and add-ons supported by Avigilon Control Center software, please visit avigilon.com

System Requirements

AVIGILON CONTROL CENTER CLIENT

System requirements for a machine that will only be used as a remote monitoring client with up to two monitors with a resolution of 1920x1200 each (with recommended specs). Additional monitors and higher resolutions may require additional processing resources.

	MINIMUM	RECOMMENDED
Operating System*	Windows 7 (32-bit or 64-bit), Windows 8.1 (32-bit or 64-bit) or Windows 10 (32-bit or 64-bit)	Windows 10 (64-bit)
Processor	Intel® dual-core CPU (2.0 GHz)	Intel Core™ i5 (Quad-core, 3.3 GHz)
System RAM	4 GB DDR3	8 GB DDR4
Video Card	PCI Express, DirectX 10.0 compliant with 256 MB RAM	NVIDIA Quadro K620
Network Interface	1 Gbps	1 Gbps
Hard Disk Space	500 MB	500 MB

AVIGILON CONTROL CENTER SERVER - SERVER CONFIGURATION (WITH ENTERPRISE EDITION)

System requirements for a HD NVR Server with a recording capacity of 256 Mbps (with minimum specs) or 450 Mbps (with recommended specs) from up to 120 cameras. The specifications below are intended for an HD NVR Server with only remote viewing.

	MINIMUM	RECOMMENDED
Operating System*	Windows Server 2012, Windows Server 2012 R2, Windows 7 (64-bit), Windows 8.1 (64-bit) or Windows 10 (64-bit)	Windows Server 2012 R2
Processor	Intel quad-core CPU (2.0 GHz)	Intel Xeon® E5 v3 (6 cores, 1.9GHz)
System RAM	4 GB DDR3	16 GB DDR4
Network Interface	2 x 1 Gbps	4 x 1 Gbps
Hard Drives	SATA-II 7200 RPM Enterprise Class Hard Drives	SATA-III 7200 RPM Enterprise Class Hard Drives

AVIGILON CONTROL CENTER SERVER - WORKSTATION CONFIGURATION (WITH STANDARD EDITION)

System requirements for a HD NVR Workstation with a recording capacity of 80 Mbps (with minimum specs) or 120 Mbps (with recommended specs) from up to 60 cameras and the ability to view live and recorded image data locally. This system should be able to support up to two monitors with a resolution of 1920 x 1200 each (with recommended specs).

	MINIMUM	RECOMMENDED
Operating System*	Windows Server 2012, Windows Server 2012 R2, Windows 7 (64-bit), Windows 8.1 (64-bit) or Windows 10 (64-bit)	Windows 10 (64-bit)
Processor	Intel quad-core CPU (2.0 GHz)	Intel Core i5 (Quad-core, 3.3 GHz)
System RAM	4 GB DDR3	8 GB DDR4
Network Interface	1 Gbps	1 Gbps
Video Card	PCI Express, DirectX 10.0 compliant with 256 MB RAM	NVIDIA Quadro K620
Hard Drives	SATA-II 7200 RPM Hard Drives	SATA-III 7200 RPM Hard Drives

AVIGILON CONTROL CENTER GATEWAY

Avigilon Control Center Gateway can be installed on the same computer as Avigilon Control Center Server, but for optimal performance results it is recommended that the Gateway be installed separately. The Gateway can handle up to 36 concurrent video streams if installed on a computer with the listed requirements (with recommended specs).

	MINIMUM	RECOMMENDED
Operating System*	Windows Server 2012, Windows Server 2012 R2, Windows 7 (64-bit), Windows 8.1 (64-bit) or Windows 10 (64-bit)	Windows 10 (64-bit)
Processor	Intel quad-core CPU (2.0 GHz)	Intel Core i5 (Quad-core, 3.3 GHz)
System RAM	4 GB DDR3	8 GB DDR4
Hard Disk Space	500 MB	500 MB

AVIGILON CONTROL CENTER MOBILE

Avigilon Control Center Mobile (ACC Mobile) is currently only available for the listed device platforms. For all other mobile devices, use the Avigilon Control Center Web Client.

Android version 4.x or 5.x	iPad with iOS 7, 8 or 9 iPhone with iOS 7, 8 or 9 iPod Touch with iOS 7, 8 or 9
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AVIGILON CONTROL CENTER WEB CLIENT

Avigilon Control Center Web Client can be accessed from the listed web browsers.

Internet Explorer version 9.0 or later Chrome version 20 or later	Firefox® version 15 or later Safari version 9.0 or later
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AVIGILON CONTROL CENTER LPR PLUGIN

Avigilon Control Center LPR Plugin is supported on the listed operating systems.

Windows 7 only

*For all Windows versions, it is recommended that the latest Microsoft® service pack is deployed.