

Sizing Guidelines

For Avigilon Appearance Search™ Technology Using Avigilon NVRs



AVIGILON APPEARANCE SEARCH SITE ENVIRONMENT

To use Avigilon Appearance Search technology with Avigilon Control Center™ Enterprise edition software:

- Connect Avigilon Appearance Search enabled cameras to Avigilon’s latest generation network video recorder, or a previous generation network video recorder with the Avigilon Analytics Kit installed.
- Connect non-analytics cameras to any network video recorder running ACC™ Enterprise edition software and associate them with an Avigilon Artificial Intelligence (AI) Appliance in the same site.

SEARCH OPERATION	SUPPORTED NUMBER OF CAMERAS PER SEARCH QUERY
Avigilon Appearance Search initiated from recorded video or by physical description	250

By default, ACC software will include all Avigilon Appearance Search enabled cameras from the ACC site in a search query. It is possible to select a subset of the cameras using the ‘advanced’ search option or by modifying the original search query.

SUPPORTED NUMBER OF CAMERAS WITH AVIGILON APPEARANCE SEARCH PER NVR

ANALYTICS KIT MODEL/NVR MODEL	MAXIMUM NUMBER OF CAMERAS WITH AVIGILON APPEARANCE SEARCH TECHNOLOGY**
NVR4 Premium*	160–200
NVR4 Standard*	160–200
All NVR3 models with Analytics Kit HD-NVR-ANK2-1	160–200
NVR3 Premium and Standard with Analytics Kit HD-NVR3-ANK1-1	120–200

*NVR4s natively support Avigilon Appearance Search (no analytics kit required).

** Requires ACC Software, Release 6.12 or later.

The actual number of Avigilon Appearance Search enabled cameras that can be supported on a given NVR depends on:

- the NVR model
- the Analytics Kit model (if applicable)
- the number of objects being detected and classified by the Avigilon cameras with self-learning analytics
- whether the cameras are set to indoor or outdoor analytics mode.

The ranges above assume that, on average, each camera detects and classifies no more than one object leaving its field of view every two seconds.

The use of outdoor analytics mode on any of the cameras requires more processing than cameras set to indoor mode only.

Consult the Avigilon AI Appliance product datasheet for guidance on the number of cameras associated with an AI appliance that can be enabled with Avigilon Appearance Search technology.