

Analytics Sizing Guide

For Avigilon Hardware



Avigilon Appearance SearchTM (AS)

Quickly locates a specific person or vehicle of interest across an entire site using a sophisticated deep learning AI search engine.

ACC Enterprise required



Face Recognition (FR)

Detects matches from managed watchlists to alert operators of people of interest. Requires Appearance Search and an additional license.

ACC7-FACE license required



Classified Object Detection (COD)

Detects and classifies people or vehicles to help operators verify and respond faster. Next-generation analytics provide increased object classification.

ACC7-VAC license required



License Plate Recognition (LPR)

Works with ACC software for accurate license plate capture at a range of distances and speeds. Requires an additional license.

ACC7-LPR license per channel required

MODEL	ANALYTICS KIT	AVIGILON ANALYTICS CAMERAS ¹		NON-ANALYTICS CAMERAS ¹			NUMBER OF LPR LANES ²			
		AS ONLY ⁴	FR + AS ⁴	COD ONLY ²	COD + AS ⁴	COD + AS ⁴ + FR	5 FPS (<16 KM/H)	10 FPS (<48 KM/H)	20 FPS (<100 KM/H)	30 FPS (<150KM/H)
AI NVR Standard + Perf. Kit	AINVR-STD-PRK	200	100	25	25	23	–	–	–	–
AI NVR Standard	Built-In	200	100	12	12	11	–	–	–	–
AI NVR Value	Built-In	200	50	6	6	5	–	–	–	–
NVR4/4X Premium	Built-In	200	50	–	–	–	4	3	2	1
NVR4/4X Standard	Built-In	200	50	–	–	–	3	2	1	–
NVR4/4X Value	HD-NVR-ANK2-1	50	15	–	–	–	2	1	1	–
Video Appliance 16/24-port	VMA-AS3-ANK	50	15	–	–	–	2	2	1	–
ES 8-Port Appliance	Built-In	–	–	8**	–	–	–	–	–	–
ES 8-Port Rugged Appliance	Built-In	–	–	6**	–	–	–	–	–	–
AI Appliance 2 CG2	Built-In	–	–	50	50	43	–	–	–	–
AI Appliance 2 CG1	Built-In	–	–	25	25	22	–	–	–	–

¹ These performance figures are based on validation testing by Avigilon, using Avigilon Control Center software version 7.12.4.
Assumes appliance-wide average per camera rates of classified objects leaving the field of view:
- H5A cameras – One every second
- H4A cameras – One every two seconds
- Non-analytics cameras running COD – One every second
Additional licenses may be required. For more information, contact Avigilon Sales.

² Assumes a 3MP camera with 1MP license plate scan area and Frames Per Second (FPS) to recognize license plates up to vehicle speeds in Kilometers Per Hour (KM/H). Results may vary according to camera mounting parameters.

³ For cameras at 2MP and 30 images per second (ips).

⁴ Requires H5A, H4A, or Classified Object Detection running on non-analytic cameras.

** H4A Equivalent Analytics