

Avigilon Unity camera analytics comparison chart



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Avigilon Unity Cameras



	H6A	H6X	H6SL	H6 Mini Dome	H5A	H5A Fisheye	H5A Dual Head	H5A Multisensor	H5A Modular
Analytic Detection Distance	Long-range	Long-range	Short-range	Short-range	Long-range	Short-range	Short-range	Mid-range	Short-range
Analytic Features	Self-Learning Classified Object Detection	✓	✓	✓	✓	✓	✓ ²	✓	✓
	Teach By Example Object Detection	✓	✓	✓	✓	✓	✓	✓	✓
	Unusual Motion Detection								
	Unusual Activity Detection	✓	✓	✓	✓	✓	✓	✓	✓
	Unusual Crowd Detection	✓	✓						
	Audio Analytics Detection	✓							
	Classified Object Motion Search Support	✓	✓	✓	✓	✓	✓	✓	✓
	Appearance Search Support	✓	✓			✓	✓	✓	✓
	Facial Recognition Support	✓	✓			✓	✓	✓	✓
	License Plate Recognition Support	✓	✓	✓		✓		✓	✓
	No Face Mask Detection Support	✓	✓	✓	✓	✓	✓	✓	✓
	Visible Firearm Detection Support (available in U.S. only)	✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹		✓ ¹	✓ ¹
	Video Analytic Events & Alerts	✓	✓	✓	✓	✓	✓	✓	✓
	Base Subclasses: Person, Car, Bus, Bicycle, Motorcycle, Truck	✓	✓	✓	✓	✓		✓	✓
	Truck Subclasses: Van, Pick-Up Truck, Large Truck	✓	✓						
	Vehicle Subclass Events and Alerts	✓	✓						
	Radiometric Events and Alerts								
Dynamic Privacy Masking	✓	✓							
PTZ Auto-Tracking									

¹ Subject to camera pixel density and field of view. AI NVR required.

² Person detection only in-ceiling mounted position.

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	H5A Corner	H5A Thermal	H6A PTZ	H5A IR PTZ	H5A Rugged PTZ	H5 Pro	H5M	H4 LPC
Analytic Detection Distance	Short-range	Long-range	Long-range	Long-range	Long-range	Long-range	Short-range	Long-range
Analytic Features	Self-Learning Classified Object Detection	✓	✓	✓ ³	✓ ³	✓ ³	✓ ⁵	
	Teach By Example Object Detection	✓	✓	✓ ³	✓ ³	✓	✓	
	Unusual Motion Detection						✓	
	Unusual Activity Detection	✓		✓ ³	✓ ³	✓ ³	✓ ⁵	
	Unusual Crowd Detection							
	Audio Analytics Detection			✓ ³				
	Classified Object Motion Search Support	✓	✓	✓ ³	✓ ³	✓ ³	✓ ⁵	
	Appearance Search Support	✓		✓ ³	✓ ³	✓ ³	✓ ⁵	
	Facial Recognition Support	✓					✓ ⁵	
	License Plate Recognition Support							✓
	No Face Mask Detection Support	✓						
	Visible Firearm Detection Support (available in U.S. only)	✓ ¹		✓ ¹	✓ ¹	✓ ¹	✓ ¹	✓ ¹
	Video Analytic Events & Alerts	✓	✓	✓ ³	✓ ³	✓ ³	✓ ⁵	
	Base Subclasses: Person, Car, Bus, Bicycle, Motorcycle, Truck	✓	✓	✓ ³	✓ ³	✓ ³	✓ ⁵	
	Truck Subclasses: Van, Pick-Up Truck, Large Truck			✓ ³				
	Vehicle Subclass Events and Alerts			✓ ³				
	Radiometric Events and Alerts		✓ ⁴					
	Dynamic Privacy Masking							
PTZ Auto-Tracking			✓ ³	✓ ³	✓ ³			

¹ Subject to camera pixel density and field of view. AI NVR required.

² Person detection only in-ceiling mounted position.

³ Based on PTZ being in a designated home position. Autotracking requires ACC 7.14.14 or higher to configure.

⁴ H5A Thermal radiometric model required.

⁵ Not available on 61 MP H5 Pro.



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