

**digivod**  
security made easy



## Specification Brochure

# Artificial Intelligence (AI / ML) Video Analytics

AI-Based algorithms classify human and vehicle targets for increased accuracy, while maintaining minimal set-up requirements - **activate effective analytics in a few easy steps!**








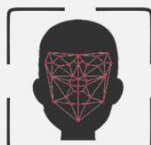




- Deep-learning AI algorithms for correct object classification
- High detection precision, low nuisance alarms, indoor & outdoor
- Fixed and PTZ color HD cameras supported
- IP, aHD, CVI, TVI, HD-SDI and analogue cameras supported
- All ONVIF-S compatible cameras supported
- Simple and fast set-up process
- Compatible with Digivod VMS & CRISP PSIM
- Compatible with 3rd party products

# Supreme AI analytics on color cameras

Deploying best-of-breed AI algorithms, Digivod AI-VA boasts supreme detection and recognition capabilities on indoor & outdoor scenes, avoiding nuisance alarms typical to standard video analytic systems.




No false alarms from rain, fog, animals, plantation, shadows, light changes, headlights, moving objects or any object that is not defined for detection.

## Classification

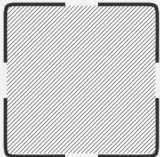
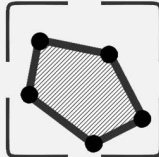

People		Vehicles		Objects	
					
Person	Group	Truck	Car	Handbag	Cellphone
					
Face detection	Face recognition	Bicycle	Motorbike	Bottle	Handgun



*Custom development available on request*

## Rule sets

		
Any object	Specific object (or several obj.)	Conditional Association

## Triggers

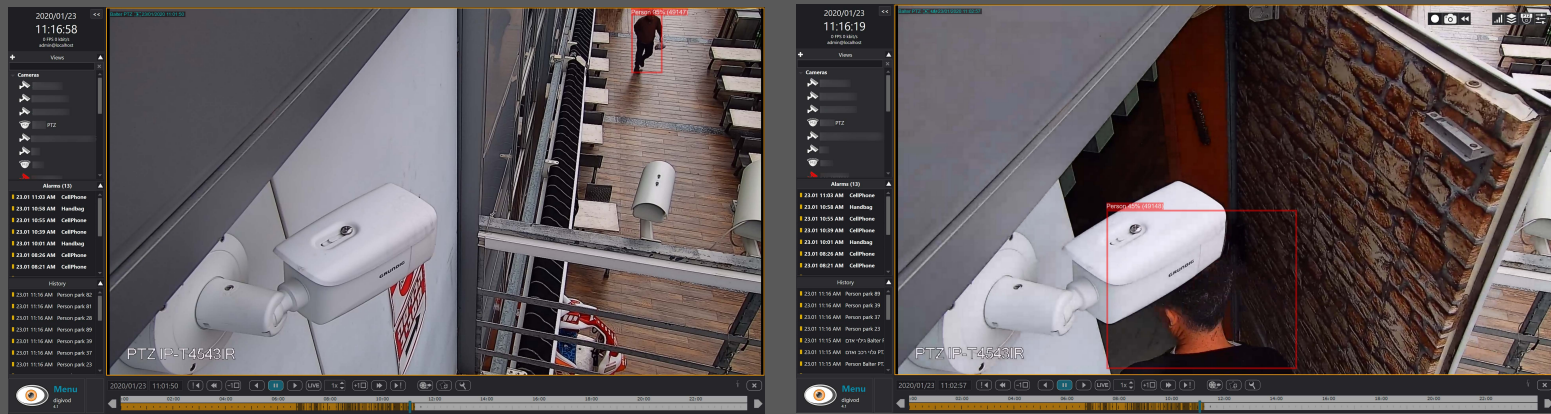
		
Entire scene detection	Polygon area detection	Directional line crossing

	
Time scheduled activation	Date-scheduled activation

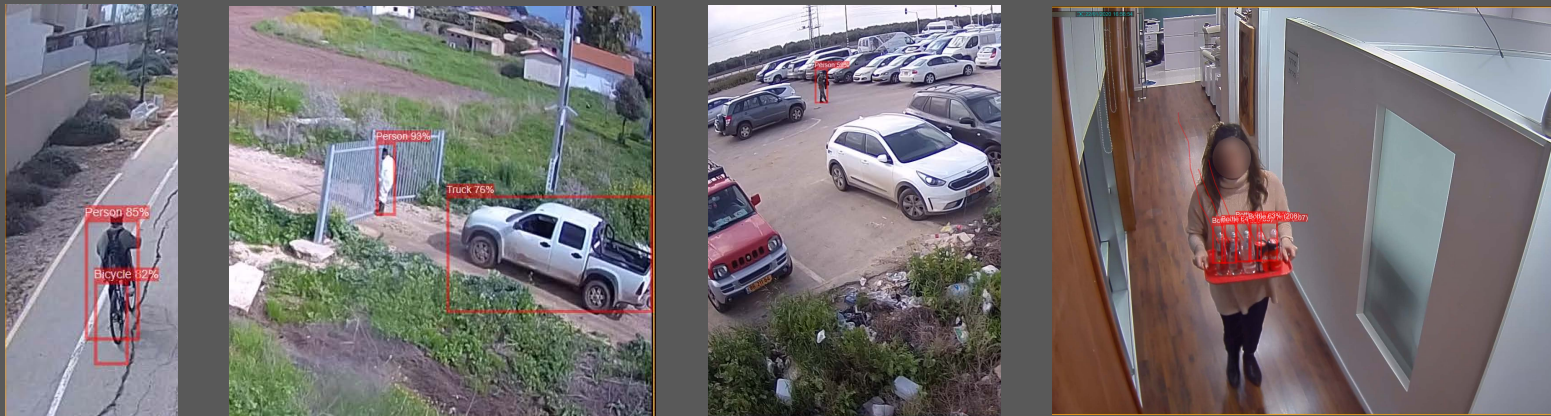


# Real-world applications, tested & revised

Our algorithms had been tested, adjusted and tested again in different indoor & outdoor environments. Whether it's perimeter protection, urban surveillance, critical infrastructure monitoring or any other application - Digivod AI analytics is up for the challenge to deliver accurate results 24/7! Harness our highly intuitive software to provide operational value on top of impressive AI analytics

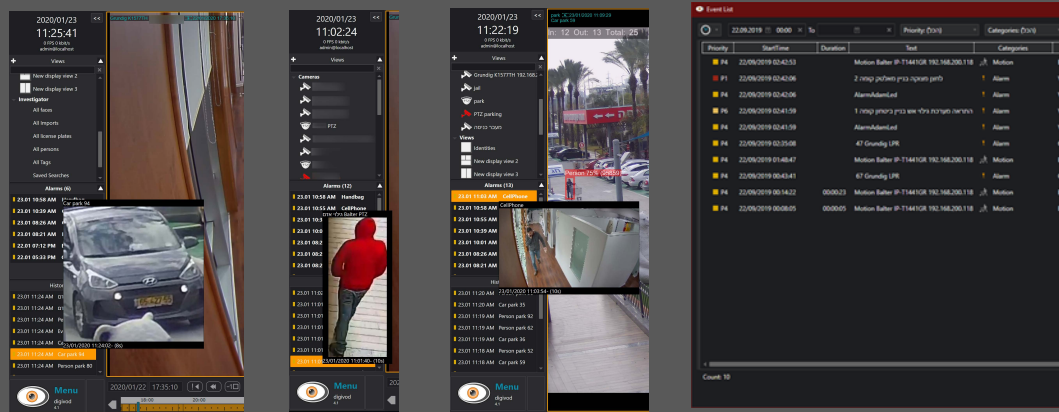


## Near or far objects, partially obstructed



## Accurate detection & tracking

Intuitive UI with quick review capabilities, case-based review and much more



Authorized Digivod distributor & service provider, technical support  
Authorized for Digivod training & Certification

Breite Straße 10  
40670 Meerbusch  
Deutschland

Ha'Merkava 31  
Holon  
Israel

## Technical specifications

Supported Languages	English, German, French, Spanish, Russian, Italian, Hebrew
Operating system	Windows 10 or Windows Server 2016 & above
Virtualization	Supported server & client side
Redundancy	Full on-line redundancy supported with Digivod VMS
Supported protocols	ONVIF, H.265, H.264, MxPEG, MJPEG, MPEG4, µLAW, G.726, G.711, AAC
AI capabilities	Deep Learning AI Classification, Supervised Neural Networks
Alarm rules	Grouping, line crossing, polygon entrance/exit, conditional detection, selective object detection, camera health, I/O
Rule management	Time scheduling, date scheduling, built-in flexible rule engine
Classification	Person, Face, Group, Car, Truck, Motorbike, Bicycle, Boat, Handbag Backpack, Cellphone, Bottle, Gun
Face recognition	Optional add-on Digivod module + Additional support for 3rd party FR solutions
Review & Investigation	Event bookmark, fast bookmark review, quick search, reports, search by class, date & time
Integrations	Support for Digivod VMS, CRISP PSIM, CRISP TERRA, 3rd party integrations via RESTful API, SDK

## Recommended client hardware

Operating System	Windows 10 pro. 64bit
CPU	intel core i7 8700 (or eq.) & above
RAM	32 GB
Storage	250GB SSD + 1TB HDD
Network card	1Gbps
GPU	Nvidia RTX 2070 (or eq.) & above

## Recommended server hardware

(For 15 cameras, Full-HD @ 4000 Kbit/s per Camera)

Operating System	Windows 10 pro. 64bit
CPU	intel core i9 9900K (or eq.) & above
RAM	64 GB
Storage	1TB SSD
Network card	1Gbps
GPU	Nvidia RTX 2080Ti (or eq.) & above

## Recommended server hardware

(For 30 cameras, Full-HD @ 4000 Kbit/s per Camera)

Operating System	Windows 10 pro. 64bit
CPU	intel Xeon Silver 4209T & above
RAM	64 GB
Storage	1TB SSD
Network card	1Gbps
GPU	2 * Nvidia RTX 2080Ti (or eq.) <b><u>Two cards required</u></b>



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