digivod
security made easy

Software
Bundesverband
IT-Mittelstand
Made in Germany
100%
Service
Qualität
Zukunft

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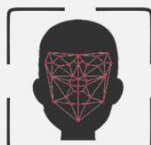
- Deep-learning AI algorithms for correct object classification
- High detection precision, low nuisance alarms, indoor & outdoor
- Fixed and PTZ color HD cameras supported
- IP, aHD, CVI, TVI, HD-SDI and analogue cameras supported
- All ONVIF-S compatible cameras supported
- Simple and fast set-up process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

Supreme AI analytics on color cameras

Deploying best-of-breed AI algorihms, 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
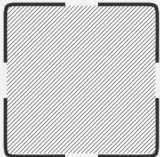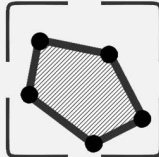
People

Person

Group

Face detection

Face recognition

Vehicles

Truck

Car

Bicycle

Motorbike

Objects

Handbag

Cellphone

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!
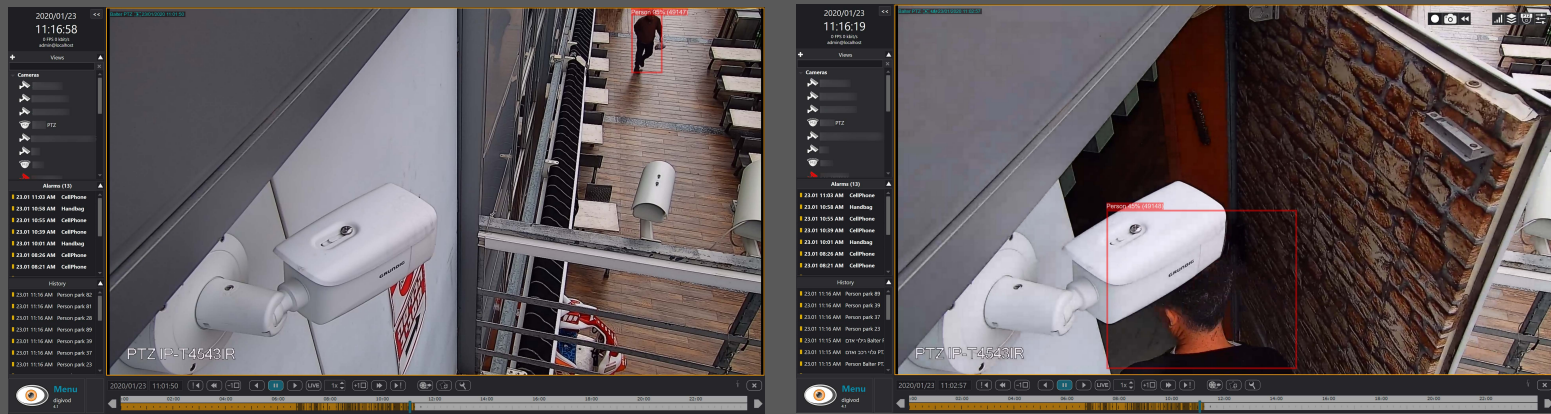Harness our highly intuitive software to provide operational value on top of impressive AI analytics

Near or far objects, partially obstructed
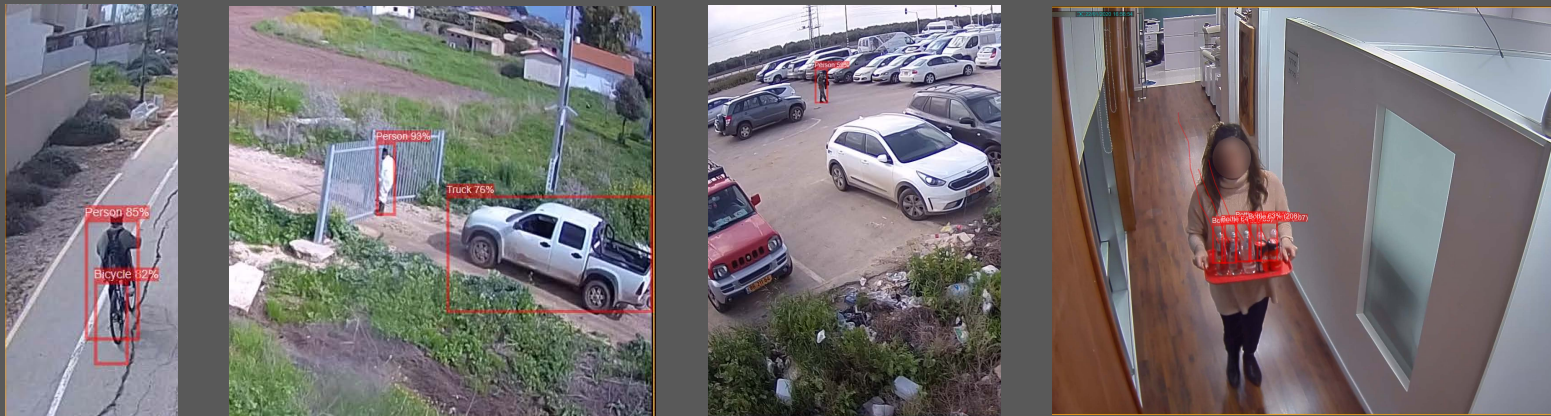
Accurate detection & tracking

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

Mal-Tech
Technological Solutions Ltd.

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

Ha'Merkava 31
Holon
Israel

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Breite Straße 10
40670 Meerbusch
Deutschland

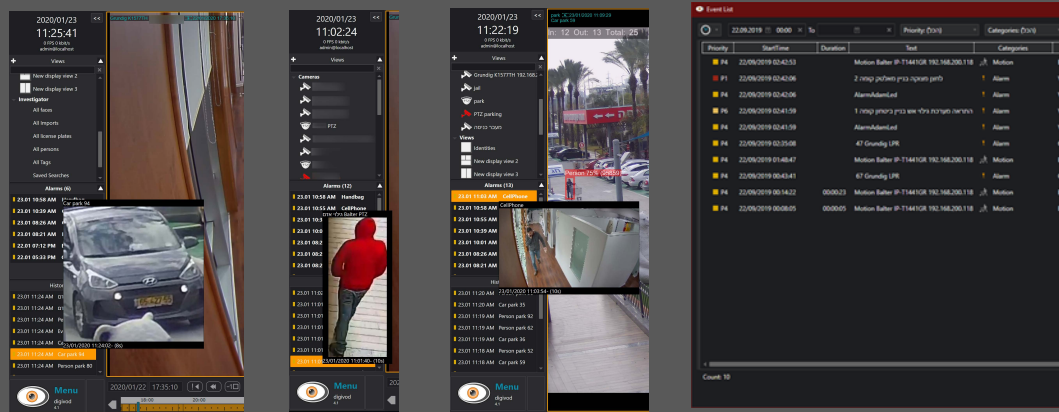## Technical specifications

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.) Two cards required

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