

iOmniscient Tops **Gartner's** List

Gartner has just issued its analysis of all the major worldwide suppliers of video analytics (including Behaviour Analytics, Face Recognition and License Plate Recognition). They reviewed 97 companies and analysed their capabilities across 58 different applications.

iOmniscient has attained the most comprehensive list of vision-based AI features (53 out of 58) whereas the well-known Unicorns can only provide 8 or less features out of the same 58.



In their report Gartner emphasized a critical point – that the capabilities and quality of offering differed significantly between companies. This is important from iOmniscient's perspective as the company has a philosophy of being best in class in every application that it builds.

As examples:

- 31 companies could do Abandoned Object Detection but only iOmniscient can do it in a Crowded Scene – the rest can only do this when the scene is empty and the object is unobscured.
- 9 companies could do Face Recognition in a Crowd but only iOmniscient can do it with a resolution of only 22 pixels between the eyes and without a GPU. As a result, iOmniscient can recognize a person in a crowd at a distance of 20m on a 2 megapixel camera. Using that same camera others could recognize a person at 5m at best.

iOmniscient
Portfolio Capability

53

out of

58

APPLICATIONS

The report analysed 58 applications that are widely available. It did not focus on the long list of applications that are unique to iOmniscient such as Face Recognition on the Move, Smart Compression, Automated Response and others.

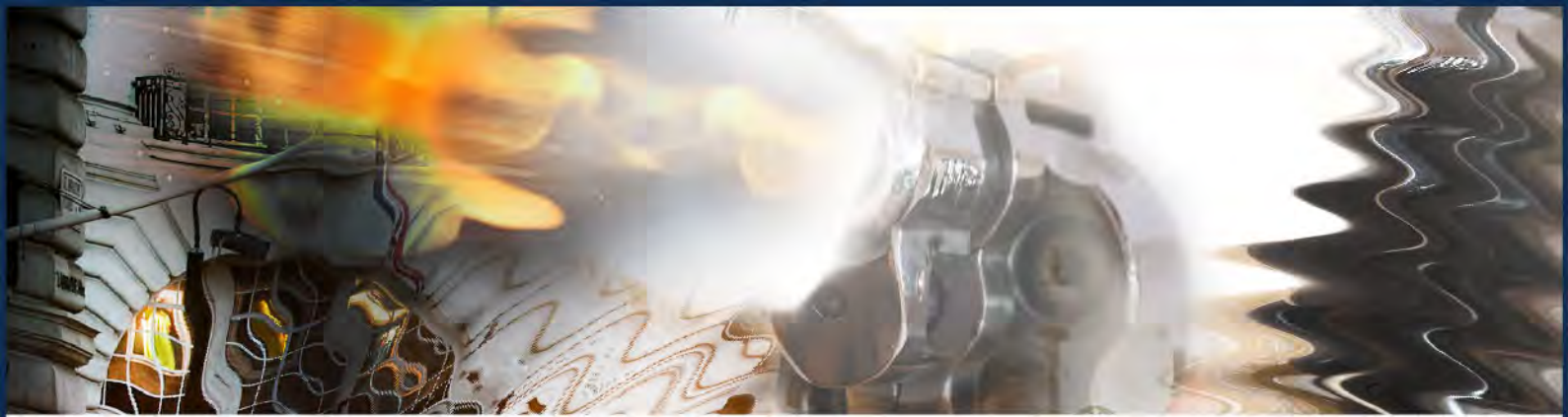
The Report is available directly from Gartner.

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Intelligent Gunshot Detection Integrated with Video Analytics

As part of its unique Multi-sensory Artificial Intelligence offering, iOmniscient has launched its Intelligent Gunshot Detection system. As with most iOmniscient products it comes in a Basic, an Advanced and a Genius version. Both versions can pinpoint the spot from which the shot was fired. The Advanced version has the additional capability to determine the type of weapon used. With both versions, once the sound analytics have detected the gunshot and determined its direction, the system can automatically activate Face Recognition on the cameras surrounding the area so as to identify all the potential perpetrators as well as witnesses.

iOmniscient's Automated Response System can then automatically locate the nearest Police vehicles and policemen on patrol, send them information on the incident and tell them where to go and what to do.

Construction Site Systems

Construction sites have some unique requirements:

- They tend to be temporary.
- Ensuring safety is one of the highest priorities.
- Management cannot always be on site so remote access to operational information is crucial to address these issues.

iOmniscient has announced its IOT based "IQ Construction Site". The IOT pack consists of a rugged IP65 rated Super Edge device with a wifi or wireless capability, rugged POE Switch and rugged cameras. As sites can be temporary and requirements can change, the offering is available on a Rental Basis.



	Application			Basic / Advanced / Genius		
SAFETY	Ensure all present are wearing safety gear	X	X	X		
	Detect patches of water that could cause slips		X	X		
	Detect slips and Falls		X	X		
	Detect Smoke and Fire		X	X		
	Optional Extra: Detect Gas Leaks (requires special camera)	X	X	X		
OPERATIONS	Count the number of people on site	X	X	X		
	Count number of vehicles arriving on site categorized by bike/ car/ truck	X	X	X		
	Understand how long vehicles spend on site			X		
	Understand how long people spend on site			X		
	Mobile Phone based monitoring for Management	X	X	X		
SECURITY	Perimeter Protection	X	X	X		
	Manage Access to the site for vehicles	X		X		
	Manage Access to the site for people		X	X		
	Optional Extra: Body Worn Camera based Access Management		X	X		

See through
the crowd

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