



# 360 VISION'S ATTACK DETECT

Attack detect response tested in traffic accident.

## BACKGROUND

The rugged build quality of the new Invictus PTZ camera from UK CCTV manufacturing company, 360 Vision Technology has been proven in the field during a recent road traffic incident in North London, which provided a real-world test for the camera and its attack detect response feature.

Built into each Invictus camera, 360 Vision's attack detect automatically responds to a detected increase in camera load (such as the camera being hit by an object). On detection, the camera's direct-drive pan and tilt mechanism is instantaneously disengaged to prevent damage to the motor drive. A self-check routine then establishes if the camera has altered its direction of view during the attack, and an automatic re-initialisation is triggered - returning the camera to its last known position prior to the impact.

## BENEFITS

The benefits of Invictus' attack detect response to system operators is that post-attack, the camera will always return to its correct field of view, prior to being forcibly moved. This means that vital evidential footage will continue to be captured, and without the need for operator intervention. The feature also ensures that all camera preset positions remain intact, vital to avoid disruption to the daily running of the system due to inaccurate preset positions.

Installation company DSSL Group selected the Invictus camera to facilitate expanded surveillance coverage across the North London borough. "360 Vision's Invictus has many key features that benefit town centre CCTV operators however, attack detect is a uniquely beneficial attribute that competition cameras just don't offer", explains Aaron Stephens, Director at DSSL Group. "This can be crucial when specifying a successful long-term public space installation, where CCTV cameras have been known to be vandalised using objects such as footballs, basketballs, and rocks".

## INCIDENT

Talking about the crash incident, Aaron explains: "the Invictus camera's attack detect response proved itself invaluable in the ultimate impact test, when a vehicle hit the camera's column at high speed, after leaving the road and mounting the pavement. Due to the quality of DSSL installation and 360 Vision's Invictus, the camera not only stayed attached to the column mount but also remained fully functioning.

"The camera column was hit so hard that the camera head turned over 180 degrees. The anti-attack system released the camera's drive mechanism as soon as the impact was detected, allowing the camera to move freely. After a few seconds, the Invictus completed a self-test to return to its original position and continued to record evidential incident footage of the aftermath of the crash"

"With the Invictus camera also producing second to none night time video footage amongst the well lit streets of the town centre, the pre and post-crash evidential incident footage was captured in unsurpassed high-definition colour mode".

Aaron concludes: "not only has this recent incident proven the effectiveness of the attack detect feature but our continued experience of the Invictus camera has demonstrated that a UK manufacturer can provide the latest technology in a highly robust and ruggedised PTZ, with exceptional HD imaging colour at night capability and whilst competing on cost with other global cameras manufacturers".

"Public space CCTV cameras securing perimeters typically operate adjacent to roads, with an ever present risk of impact from vehicles, either accidentally or maliciously," says Adrian Kirk, Director at 360 Vision Technology. "Installing Invictus ruggedised cameras into these locations provides customers with a fit for purpose roadside solution that ensures continued performance, even under attack. For peace of mind, this is all backed by 360 Vision's UK based design and manufacturing resource, and comprehensive 3-year warranty."

