

# Advanced Analytics Webinar Q&A



**Q: What chipset is used to perform AI analytics?**

A: Dual Core 2xA53@1.4GHz processors.

**Q: How does rain effect outside analytics?**

A: Driving rain will be a factor, but a light to moderate rain should not pose any real issue to the performance. The algorithms within the camera have parameters built in to ignore the environmental issues to a certain degree. As the rain intensifies and covers the field-of-view of the camera it will reduce the effectiveness.

**Q: Do these cameras stream the metadata to your edge analytics?**

A: The data is all processed onboard within the camera. There is no real metadata creation to speak of. The events are not sent back out to a server to be checked and then returned. The events that are processed within the camera are sent out as events to the VMS for monitoring and a data pool of information.

**Q: So the only additional cost for the edge device is in the cost of the camera, correct?**

A: Correct, the analytics are native to the camera. There are two sets of these analytics, standard and advanced. The advanced series do come at a higher cost.

**Q: Can one camera stream be recorded at a lower resolution and have another stream record at a higher resolution when an event is triggered?**

A: Yes, in all of Vicon's cameras multiple streams are supported. Substreams can be implemented to record at a lower frame rate/resolution, and then, upon detection, it can be switched over to a higher frame rate and resolution.

**Q: Is it possible to use this solution with other camera brands (existing cameras)?**

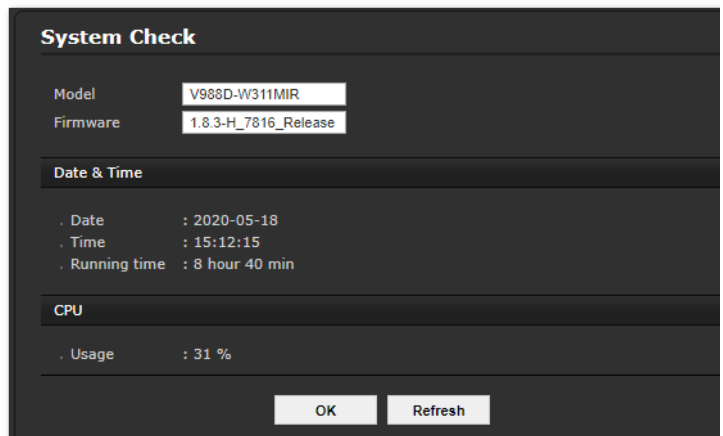
A: Other manufacturer's offer their own suite of analytics, but anything that has been covered today are native to Vicon cameras. Other manufacturer's cameras will send analytic events to Vicon's VMS if that is something that has been configured.

**Q: How many rules can we enable for a single camera at a time?**

A: Up to 8 event rules can be configured to run simultaneously.

**Q: If that is based on the CPU capacity of the camera, can we notice somewhere in the VMS or the browser of the camera the CPU consumption for the active rules?**

- A:
- The VMS is not aware of any resource usage for VCA in the camera.
  - In the camera web interface, in Setup > Support > Health Check, there is an indication of current CPU usage. See screenshot to the right:



**Q: I understand "left, right and wrong direction," but what about direction towards or opposite of the camera?**

A: This can be achieved, for example, in a highway environment. An alarm can be triggered for a vehicle traveling in the opposite direction coming towards the camera or vice versa. If the object comes straight to the camera, or away from the camera (so following the lens' optical axis), direction is hard to determine, and the camera needs repositioning. Some perpendicular to the optical axis motion needs to be detected to determine direction.