

Safire True-Sense CCTV



Artificial Intelligence, Control4, HD-CCTV

All in one surveillance space

Control4™



 **safire**
RECORDERS
WITH True  Sense

ARTIFICIAL INTELLIGENCE
WITHIN YOUR REACH



Overview – Smart Home surveillance the background

Bringing all of your devices together under one wrapper is the goal of many homeowners and one of the Leaders in Smart Home Technology is Control4.

Historically marrying Surveillance into this Technology has not been easy and hasn't always given the User access to the latest Technology and features expected from a leading edge domestic surveillance system.

The Safire True-Sense range changes all of that bringing the best of the latest Artificial Intelligence algorithms combined with the very best HD and UHD surveillance cameras on the market, exclusively available from LTS UK Ltd.

The Solution – How to view the best quality CCTV pictures in the home

The use of the True-Sense Technology allows full integration with Control4 equipment meaning there is one access point for all the home surveillance needs. We can view live security camera footage on domestic TV's, Control4 touchscreens, and mobile devices. This also helps the User remotely connect and command their home, from virtually anywhere. Streaming pictures from the high definition day night CCTV cameras is easy as Control4 supports the same streaming protocols. Ultimately it will deliver superior video quality at 80% or more bandwidth savings, increasing efficiency and reliability and adding to the Users peace of mind.

With Control4, it's easy to check in on home from anywhere in the world—right from your smartphone.

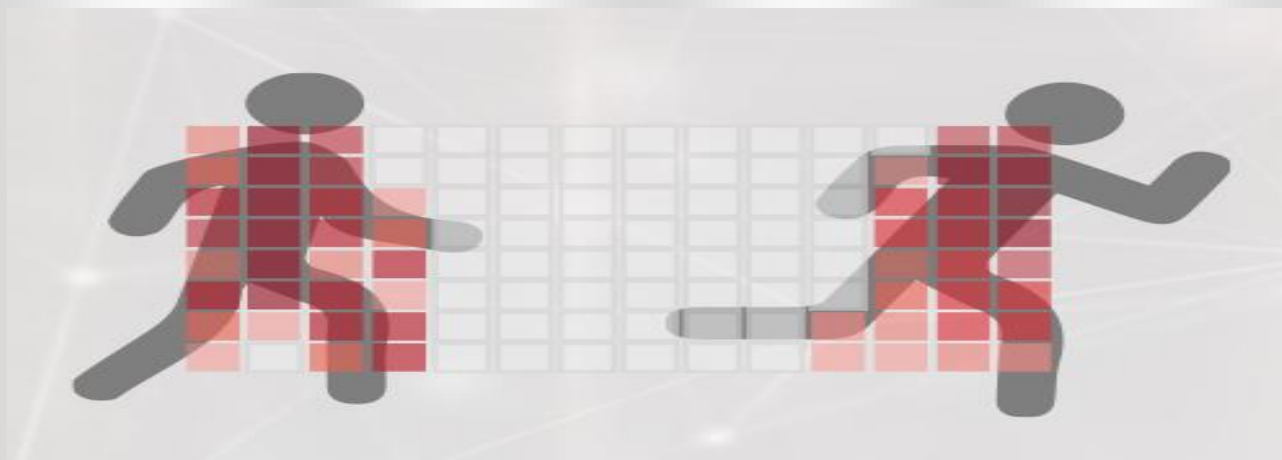
Safire's True-Sense IP cameras and Network Video Recorders (NVRs) can be fully integrated with Control4 so you can view all of your cameras on any television in real time or see video of what happened throughout the day, last week, or last month.

Safire by LTS UK True-Sense technology

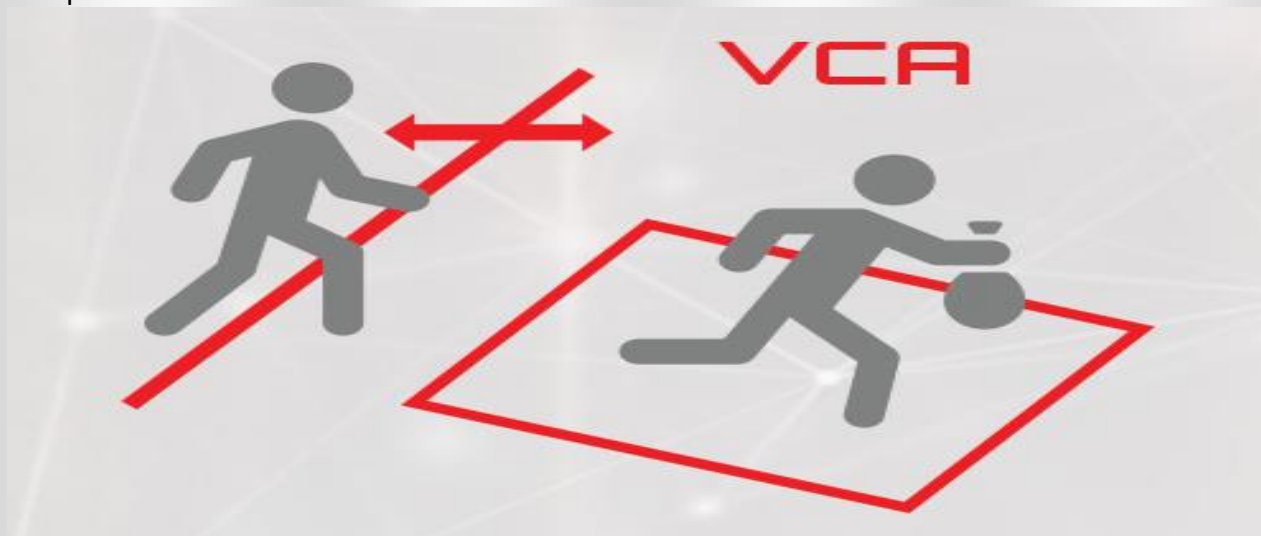
The purpose of video surveillance is to monitor and control scenes to ensure the safety of people and property. The visual component is ideal for many purposes but has the problem of generating many false alarms. The new Safire devices equipped with True-sense technology make it possible to achieve a high level of reliability in the detection of incidents even compared to some intrusion systems.

Motion detection and smart detection rules

Historically in CCTV the only way to detect motion was by checking the changes between one frame and the next, which is called a video sensor. This detection method is very sensitive to false alarms generated by environmental changes or changes in lighting, as well as movement of leaves, branches, animals or other irrelevant elements.



In more recent times, the ability to analyze certain events, known as smart detection or video analysis, has also been added. In Safire we find the VCA rules in IP cameras and DVRs. These rules work like motion detection, but under an imposed logic, such as a line crossing, an intrusion in an area, a sudden change of scene or even face detection or an audio exception.



Deep Learning and Artificial Intelligence applied to CCTV

The era of Big Data and quantum computing has brought artificial intelligence closer to video surveillance systems. Safire has successfully created an intelligent detection algorithm using Deep Learning to analyze hundreds of cases of real detections. The result is the ability to apply a filter to VCA detections that allows humans and vehicles to be distinguished from other objects that generate false alarms.



IP Cameras, NVRs and DVRs with True-Sense technology

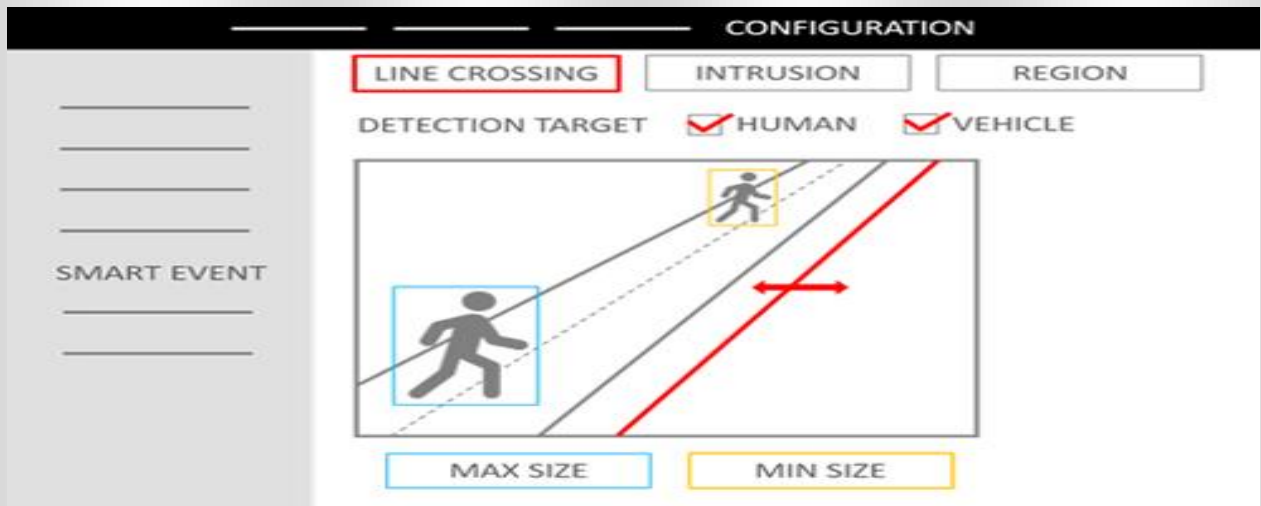
In order to understand the detection of data analysis, neural networks are used in powerful computers. This technology in a recorder or in an IP camera would be extremely expensive; however, it is possible to extract a detection algorithm from this analysis that has already been "trained". That factor, along with a powerful graphics processor built into all True-Sense equipment, manages to reduce the costs close to what could be a standard device.



The simplicity of True-Sense

Unlike video analytics software that requires complex and repeated configurations, with Safire True-Sense everything's much easier. A VCA rule is created and selected if human and/or vehicle filtering is desired. Additionally, since the cameras do not perceive depth, it is necessary to establish the minimum size of the objective in the background of the image and the maximum size of the objective in front of the image, by drawing simple rectangles.

In other words, instead of receiving multiple notifications of false alarms, you will only receive notifications generated by objects that are important, such as humans and vehicles, which increases the reliability of the security system.



safire
RECORDERS
WITH True Sense





LTS
Professional CCTV






ARTIFICIAL INTELLIGENCE
WITHIN YOUR REACH



The Safire True-Sense range Exclusively from LTS UK Ltd.

(Please call us for your price and availability)

safire		NVR		Control CERTIFIED
SKU	Image	Specification		
SF-NVR8208A-4K-4AI		Safire - NVR Recorder for IP - 8 CH - H.265+/H.265 - Maximum resolution 12 Megapixel - 80 Mbps bandwidth supported - TrueSense, false alarm filter for vehicles and people (4 Ch) - Outputs 4K HDMI & VGA - Alarms - IP Dual Stream Access - WEB, CMS and Smartphone interface - ONVIF Compatible - Mouse - Space for 2 HDD		
SF-NVR8208A-4K8P-4AI		Safire - NVR Recorder for IP - 8 CH - H.265+/H.265 - Maximum resolution 12 Megapixel - 80 Mbps bandwidth supported - TrueSense, false alarm filter for vehicles and people (4 Ch) - Outputs 4K HDMI & VGA - Alarms - IP Dual Stream Access - WEB, CMS and Smartphone interface - ONVIF Compatible - 8 PoE ports - Mouse - Space for 2 HDD		
SF-NVR8216A-4K-4AI		Safire - NVR Recorder for IP - 16 CH - H.265+/H.265 - Maximum resolution 12 Megapixel - 160 Mbps bandwidth supported - TrueSense, false alarm filter for vehicles and people (4 Ch) - Outputs 4K HDMI & VGA - Alarms - IP Dual Stream Access - WEB, CMS and Smartphone interface - ONVIF Compatible - Mouse - Space for 2 HDD		
SF-NVR8216A-4K16P-4AI		Safire - NVR Recorder for IP - 16 CH - H.265+/H.265 - Maximum resolution 12 Megapixel - 160 Mbps bandwidth supported - TrueSense, false alarm filter for vehicles and people (4 Ch) - Outputs 4K HDMI & VGA - Alarms - IP Dual Stream Access - WEB, CMS and Smartphone interface - ONVIF Compatible - 16 PoE ports - Mouse - Space for 2 HDD		

safire		IP Cameras		Control CERTIFIED
SKU	Image	Specification		
SF-IPCV098WH-4-AI		Safire - IP camera - 1/2.7" Progressive Scan CMOS - 4 Megapixel (2688x1520) - 2.8 mm Lens - WDR - Compression H.265/H.264/MJPEG - IR Cut - 0 Lux - IR Range 50 m - TrueSense, false alarm filter for vehicles and people - RJ-45 10/100 BaseT - WEB, CMS, Smartphone and NVR interface - ONVIF Compatible - PoE IEEE802.3af - Weatherproof IP67		
SF-IPCV798ZWH-4-AI		Safire - IP camera - 1/2.7" Progressive Scan CMOS - 4 Megapixel (2688x1520) - 2.8~12mm motorised lens - WDR - H.265 / H.264 - IR Cut - 0 Lux - IR Range 50 m - Audio - Alarm - TrueSense, false alarm filter for vehicles and people - RJ-45 10/100 BaseT - Internal Storage MicroSD Card - WEB, CMS, Smartphone and NVR interface - ONVIF Compatible - PoE IEEE802.3af - Weatherproof IP67 - Antivandalic IK10		
SF-IPDM943WH-4-AI		Safire - IP camera - 1/2.7" Progressive Scan CMOS - 4 Megapixel (2688x1520) - 2.8 mm Lens - WDR - Compression H.265/H.264/MJPEG - IR Cut - 0 Lux - IR Range 50 m - TrueSense, false alarm filter for vehicles and people - RJ-45 10/100 BaseT - WEB, CMS, Smartphone and NVR interface - ONVIF Compatible - PoE IEEE802.3af - Weatherproof IP67		
SF-IPDM820UWH-4-AI		Safire - Ultra Low Light IP Camera - 1/2.7" Progressive Scan CMOS - 4 Megapixel (2688x1520) - 2.8 mm Lens - WDR - H.265 / H.264 - IR Cut - 0 Lux - IR Range 30 m - Audio - Alarm - TrueSense, false alarm filter for vehicles and people - RJ-45 10/100 BaseT - Internal Storage MicroSD Card - WEB, CMS, Smartphone and NVR interface - ONVIF Compatible - PoE IEEE802.3af - Weatherproof IP67 - Antivandalic IK10		
SF-IPDM825ZWH-4-AI		Safire - IP camera - 1/2.7" Progressive Scan CMOS - 4 Megapixel (2688x1520) - 2.8~12mm motorised lens - WDR - H.265 / H.264 - IR Cut - 0 Lux - IR Range 30 m - Audio - Alarm - TrueSense, false alarm filter for vehicles and people - RJ-45 10/100 BaseT - Internal Storage MicroSD Card - WEB, CMS, Smartphone and NVR interface - ONVIF Compatible - PoE IEEE802.3af - Weatherproof IP67 - Antivandalic IK10		