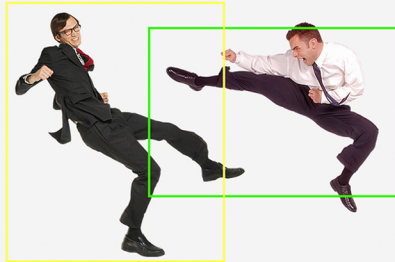




SENTURIAN
THE ARTIFICIAL INTELLIGENCE COMPANY

Senturian Neurolytics

**Taking action to prevent
Violent behaviour.**



Human Fall Detection



**Smoke and Fire
Detection**



 **Sound**



Senturian Neurolytics

Advanced Functions	Violence Detection
	Human Fall Down Detection
	Smoke Detection
	Fire Detection
Core Functions	Human Intrusion Detection
	Human Line Cross Detection
	Human Loitering Detection
	Human Theft Detection
	Human Abandon Object Detection

Minimum Server Specifications

CPU	Intel Core i7
GPU	RTX 2060
RAM	16GB
OS	Windows / Linux
Harddisk	2TB
SSD	Intel 240G

Configuration Supports 16 Video Channels

Technical Specifications

Supported Resolution		Minimum 720P, Maximum 4K
Supported Frame Rate (FPS)		8-30 FPS
Supported Browsers		Google Chrome Desktop and Mozilla Firefox
FILE-BASED INGESTION		Multi-file videos or single file videos
Minimum Pixels	Human	30 x 60 Pixels
	Car	60 x 60 Pixels
	Phone	30 x 20 Pixels
	Bag	30 x 40 Pixels
	Box	30 x 40 Pixels
	Small Items	20 x 20 Pixels
	Unknown	20 x 20 Pixels
	Fire	50 x 50 Pixels
	Smoke	100 x 100 Pixels

Algorithm Training process was run for **50,000** iterations. Accuracy of trained model is **98%**, false negative is **2.3%** and false positive is **1.7%**.

<https://www.senturiansolutions.net>

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