

## TRAFFICCAM3DAI

The Viion TrafficCam 3D AI is an advanced camera that simplifies complex automated traffic enforcement. Equipped with a quad-core processor, Viion's AI neuro network, LTE networking, three high-definition imaging sensors, and a proprietary LiDAR sensor, this powerful and versatile camera offers unmatched performance and practicality. With a proven track record of success across five continents, the TrafficCam 3D AI provides all the necessary tools to ensure reliable and efficient traffic enforcement, no matter where you are. Whether you're a law enforcement officer, traffic engineer, or city planner, the Viion TrafficCam 3D AI is an essential tool for streamlining traffic management and improving safety on the roads.

### Beneficios clave de TrafficCam 3D AI

**Low Power Consumption** Using only 26 W of power, TrafficCam 3D units are designed to be as efficient as possible and can be solar-powered.

**Wireless** Cellular LTE capability allows TrafficCam 3D to provide data to clients without wired connections.

**Extremely Versatile & Powerful** TrafficCam 3D can be applied in wide range of applications, such as speed enforcement, red light, block the box, ANPR and traffic data collection.



### Applications

#### Speeding offences:

- (Instant, Average & by Vehicle class)

#### Intersection Enforcement

- (Red Light / Block the Box / Illegal turn)

#### Automatic Number Plate Recognition (ANPR)

- Proprietary OCR

#### Onboard Watch list

- (Expired license or Insurance, Stolen/ Wanted Vehicle)

#### Traffic Data Collection

#### Seatbelt Detection

#### Vehicle Class

#### Vehicle Occupancy

**Compact** TrafficCam 3D cameras are small and lightweight yet perform similarly to bulky and expensive devices.

**Plug And Play** TrafficCam 3D cameras are shipped pre-calibrated and use an integrated GPS receiver to determine location and time zone - all you have to do is point-and- go

**Easy To Integrate** TrafficCam 3D has a web-based interface that makes it easy to configure and integrate with any system.

## Specifications

Weight / Length / Width / Height (excluding pan/tilt bracket) 1.95kg 28 cm 21 cm 7.5 cm	
<b>Power Supply</b> 9-28 VDC	<b>Typical Power Consumption</b> 28W
<b>Processor</b> Quad-Core ARM	<b>Imaging</b> 1280 x 960 at 30 FPS
<b>Operating System</b> Linux 3.14	<b>GPS</b> SiRF Star IV 48 Channel
<b>Wi-Fi</b> 802.11 b/g	<b>Ethernet</b> 1000 base-T
<b>Cellular:</b> LTE CAT4 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/ B25/ B26/ B28 LTE-TDD B38/ B39/ B40/ B41	
<b>SIM Card Format</b> MicroSIM	<b>Lane coverage</b> 2 lanes
<b>Typical mounting height</b> 4 m (up to 6 m)	<b>Maximum effective range</b> 30 m
<b>Configuration interface/ Video compression / Video Streaming</b> HTTP/HTTPS                      rtsp                      H.264	
<b>Security / Encryption</b> RSA 2048 bit RSAES-OAEP/SHA (FIPS 140-2)	
<b>Synchronized LED flash wavelength</b> 850 nm	
<b>Storage</b> MicroSD Card up to 1 TB	

Environmental	
<b>Water / Dust Tightness</b> <b>IP 67</b> EN 60529 (A1-2000): 2019	<b>Operating Temperature</b> -40°C to +75°C
<b>Cold Operating</b> IEC 60068-2-1 (2007) & IEC 60068-3-1, 2h at -20°C	<b>Dry Heat Operating</b> IEC 60068-2-2 (2007) & IEC 60068-3-1, 2h at 55°C
<b>Damp Heat Cyclic</b> IEC60068-2-30(2005)&IEC60068-3-4,2cycles of 24 hours between 25°C & 55°C at 93-95%RH	<b>Random Vibration</b> IEC60068-2-24(2008), random vibrations Category 3 at 0.8 gRMS, 10-1250 Hz, 30 minutes per axis
<b>Drops &amp; Topples</b> IEC60068-2-31(2008), 50mm, 12 drops (4 on a face, 4 on corners, 4 topples)	

Electromagnetic Compatibility	
<b>Radiated electromagnetic field immunity - radio frequencies</b> IEC 61000-4-3: 2006 A1: 2007 A2: 2010	<b>Electrostatic Discharge Immunity</b> IEC 61000-4-2: 2008
<b>Conducted Immunity</b> IEC 61000-4-6: 2013	<b>Electrical Fast Transient Immunity</b> IEC 61000-4-4: 2012
<b>Voltage Variations Immunity</b> IEC 61000-4-11: 2004 A1: 2017	