

FLASH300

The TrafficCam Flash 300 significantly extends the use of the TrafficCam 3D camera during hours of the night or low-light conditions. The powerful burst of light emitted from the Xenon bulb enables the camera to provide clear images that allow operators to identify the make, model and colour of passing vehicles. Low power consumption allows the Flash to run independently on a solar-powered battery, far away from the electrical grid.

Applications

Speed Enforcement

Red Light / Block the Box

Automatic Number Plate Recognition (ANPR)

Stolen/Wanted Vehicle Detection



TrafficCam Flash Key Benefits

CONTINUOUS ENFORCEMENT Extends violation capturing capability of the TrafficCam 3D into night-time or low-light hours with powerful illumination.

SMART DESIGN The Flash's Xenon bulb is field-replaceable without replacing the entire unit.

EASY SETUP Can be configured remotely using the TrafficCam 3D web interface.

ALWAYS IMPROVING Over-the-air feature updates deployed from TrafficCam 3D keeps the Flash up to date and ready to go.

TOUGH Robust and waterproof construction is built to withstand harsh outdoor conditions anywhere around the world.

SOLAR POWER CAPABLE The Flash can run autonomously via a solar-powered battery for off-grid applications.

Specifications

Weight / Length / Width / Height (excluding pan/tilt bracket) 2.0 kg 28 cm 21 cm 7.5 cm	
Power Supply 9-28 VDC	Typical Power Consumption 25W (charging) 1W (standby)
Pulse Duration 0.5-2.0ms	Flashes per hour 800 (1ms discharge, 12V supply)
Discharge Eenergy Up tp 307 Joules	Time to recharge 4.5 seconds (1ms discharge, 12V supply)
Xenon bulb lifetime More than 100,000 flashes (Bulb is replaceable)	Typical mounting height 4m
Maximum effective range 30m	Lane coverage 2 lanes

Environmental	
Water / Dust Tightness (IPX7 / IP6X) EN 60529 (A1-2000): 2019	Cold Operating IEC 60068-2-1 (2007) & IEC 60068-3-1, 2h at -20°C
Operating Temperature -40°C to +75°C	Damp Heat Cyclic IEC60068-2-30(2005)&IEC60068-3-4, 2cycles of 24 hours between 25°C & 55°C at 93-95%RH
Dry Heat Operating IEC 60068-2-2 (2007) & IEC 60068-3-1, 2h at 55°C	Drops & Topples IEC60068-2-31(2008), 50mm, 12 drops (4 on a face, 4 on corners, 4 topples)
Random Vibration IEC60068-2-24(2008), random vibrations Category 3 at 0.8 gRMS, 10-1250 Hz, 30 minutes per axis	

Electromagnetic compatibility	
Radiated electromagnetic field immunity - radio frequencies IEC 61000-4-3: 2006 A1: 2007 A2: 2010	Electrostatic Discharge Immunity IEC 61000-4-2: 2008
Conducted Immunity EC 61000-4-6: 2013	Electrical Fast Transient Immunity EC 61000-4-4: 2012
Voltage Variations Immunity IEC 61000-4-11: 2004 A1: 2017	Emisiones FCC/CE/IC EN 60529 (A1-2000): 2019