

Guardian Watch

Area Monitoring and Alert Unit · Guardian digital roadworks monitoring family

TECHNICAL FEATURES

Description

Self-contained camera unit for monitoring sites without mains power or broadband. Solar panel, built-in lithium-ion battery and cellular (LTE) connectivity let Guardian Watch be placed anywhere in minutes with no cabling or fixed infrastructure. It captures time-stamped still images on a schedule or on demand; each image is analysed by AI against user-defined criteria and an alert is sent when they are met, for example a barrier out of position or a pedestrian in a vehicle route. Still images keep power and data use low and give a clear visual audit trail. Faces are blurred automatically.

IP68

Weatherproof

Solar

Fully autonomous

LTE

Cellular connectivity

CE

Marked

MONITORING & ALERT FEATURES

Capture	Time-stamped still images, scheduled or on demand from the app
Analysis	AI analysis of every image against user-defined criteria
Alerts	Notification when criteria are met (e.g. barrier displaced, poor vehicle/pedestrian segregation, slippery or muddy routes, water level risen)
Night capture	Infrared illumination for day and night vision
Privacy	Still images only, no audio or video · automatic face blurring (GDPR)
Records	Visual audit trail for QA records and post-event review
Access	Web dashboard and mobile app

ELECTRICAL FEATURES

Power supply	Integrated solar panel, fully autonomous
Battery	Lithium-ion 3.7 V, 4800 mAh
Connectivity	Cellular (LTE)
Operation	Single-button operation

MECHANICAL FEATURES

Protection class	IP68
Mounting	Magnetic mount as standard, easy mount on poles and equipment
Marking	CE · WEEE



Typical applications: roadwork zones, temporary traffic setups, HVM and barrier arrays, plant and equipment, flood and drainage points, remote infrastructure. Part of the Guardian family alongside Guardian Impact (impact and tipping detector) and Guardian Power (battery monitoring unit).