SensorTec
Canada

VIGILANTE

FEATURES:
- Intruder detection
- Authorised personnel recognition
- Animal friendly
- Safe and cost effective
- 24/7 operation
- Plug and play

E-GUARD

TECHNICAL CHARACTERISTICS	
IR channel	- VGA (640x480) latest uncooled technology - Spectral band: LWIR (8-12 μm) - Field of view: 12.7° x 9.5°
Day/Night channel	- High resolution (HD) color sensor: 1600 x 1200 - Field of view as IR channel + e-zoom
Spot Light	- 12.5 Lux (2° at 500m) Colour: 5700 Kelvin - 8Hz strobe feature
Speaker	- 100 Wa output
Laser Pointer (option)	- 850 nm eye-safe class 1 / IEC 60825
Neutralization system	- Range: 50 – 100 m - Ammunition type: Nylon / Teargas - Caliber: .68 / .50 / .43
Video output	- Streamed video on Ethernet link
Power supply	- 20-30 VDC or 110/220 VAC
Command and control	- Ethernet link
Weight	36 kg
Size	400 (L) x 464 (W)x 564 (H) mm
ENVIRONMENTAL CONDITIONS	
Operting temperature	-32 °C to +55 °C
Fully ruggedized	(MIL-STD-461 and MIL-STD-810 compliant)

DETECTION

E-GUARD performs a continuous scan of a designated area using its multi-sensor head. Camera system checks for any moving objects. Streams from both day/night and thermal camera are used to form a fused image giving the best knowledge of the surrounding area. As an option a directional microphone array can be used. This way the system can also perform sound sweeps of the area to listen for any anomalies. As soon as something is detected the system goes into tracking mode and recognition procedure starts.

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RECOGNITION

With advanced recognition algorithms E-GUARD is able to distinguish between authorized personnel and intruders. Recognition features also make this system completely animal friendly. Algorithms allow for different biometrical features to be read. Data like body measurements, body weight and facial features are recorded and compared with the database. Assitive smart identification technologies can be used as an option to perform fast identification procedure.

ACTIVISION

A high precision pan-tilt unit gives E-GUARD exceptional aiming capabilities. Intruder is neutralized without being inflicted any permanent injuries. The system has the ability to switch between two different types of ammunition. Each giving a certain effect on the intruder. User can set up E-GUARD activation model.

NYLON AMMUNITION
TEAR GAS AMMUNITION

SEARCH LIGHT

SPEAKER   RF ID READER   MIC   DUAL AMMO

BALL HOLDER

DAY/NIGHT CAMERA   THERMAL CAMERA   BALL GUN

JUNCTION BOX

PAN TILT

- BASIC CONFIGURATION
- WEAPON OPTION
- DUAL AMMUNITION OPTION
- THERMAL CAMERA OPTION
- HORN SPEAKER OPTION
- RF ID READER ANTENNA