



Product Sheet



ThermaI | ThermaI^{DUAL}

THERMAL SOLUTIONS BUILT FOR RELIABLE PERIMETER PROTECTION

ThermaI is an **effective solution** for perimeter protection using Thermal Cameras. It has been **specifically designed** to benefit from the advantages of this kind of video devices.

The unique combination of consolidated experience of more than 20 years with a **specialized** neural systems for thermal images results in higher degrees of reliability and efficiency. Keep false alarms low while recognizing intruders at longer distances and **minimizing** operational costs.



AI-POWERED PERIMETER PROTECTION SOLUTION GROUNDED ON EXPERIENCE

Data from the video surveillance system

A UNIQUE COMBINATION OF THERMAL IMAGE PROCESSING ALGORITHMS & DEEP NEURAL NETWORKS



ThermNet

Complex neural system specialised in enhancing perimeter protection with thermal cameras.



AutoZone

The analysis smartly adapts its behaviour to the activity in the scene.



AutoScale

Automatic perspective in the adjustment in the far plane, to differentiate the size of objects.



WaveCancel

Specially designed to avoid the alarm activations caused by moving vegetation.

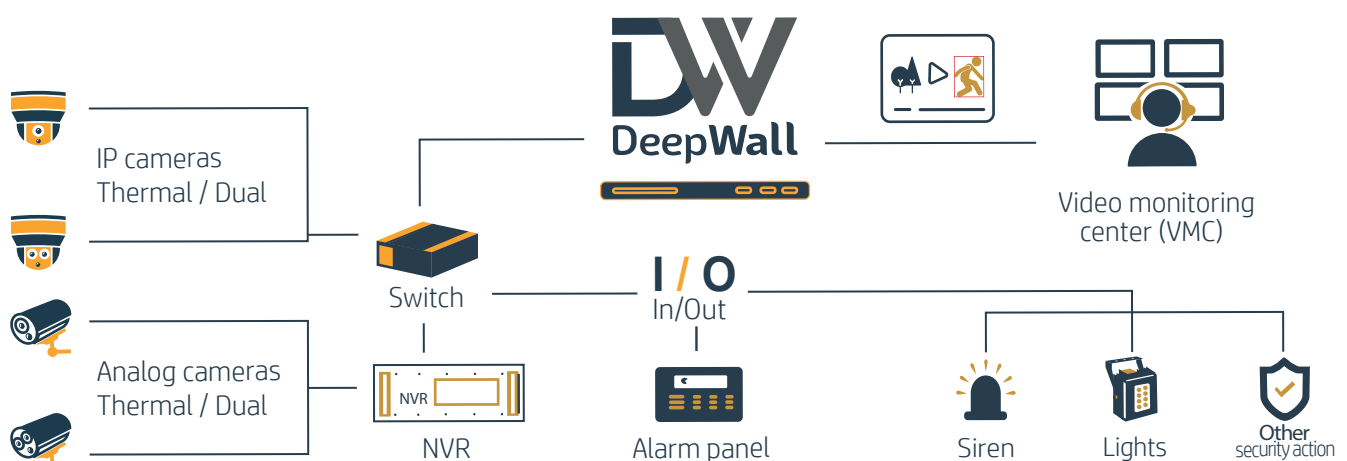


Lower false alarm rate

Higher intrusion detection rate

Long range detection

COMPLETE PROTECTION BY VIDEO ANALYTICS AND VIDEO VERIFICATION IN ALARM MONITORING STATION



Deepwall's open philosophy allows it to work with existing installations, to operate on physical elements such as sirens and lights, and can be fully integrated into the software of central monitoring stations.



BETTER INTEGRATION



Open Solutions

Compatibility with almost all cameras and recorders as well as sirens, panels, spotlights, I/O modules. Unlimited action & integration protocols: email, sending to VMC, internal actions, digital outputs, XML, JSON, etc.



Web Interface

Our applications can be used remotely with no need to install any additional software. Web interface allows simple access to view, configure, share or control your security system.



Easy Control & Fast Response

The accuracy of detection drastically reduces false alarms, improves the efficiency of operations in the control centre and facilitates a rapid and effective response.

KEEP YOUR SYSTEM ONE STEP AHEAD OF CYBER ATTACKS



VOS Powered by Linux

Vaelsys Operating System (VOS) for complete adaptation to the hardware, maximum performance, security and the lowest consumption.



PRETORIA

Unique protection against cyber attacks due to a dedicated firewall.



Cloud service allowing to automate & simplify our equipment updates.



Secure and encrypted communications over HTTPS.

BEYOND DEEP LEARNING: REAL SECURITY SOLUTION

Accurate

Leverage the precision of your protection

Cybersecure

Secure by design

Open

Empower any protection system

Integrating seamlessly

Improve control centre operations



Protection you can trust

Adaptive

AI-classification & in-time automatic response

Versatile

Detection solutions for every installation

Reliable

Protect a perimeter for real

High-performing

Detect more with less

Green

Save energy and resources

SOLUTIONS FOR EVERY INSTALLATION



DeepWallThermAI – AI designed for Thermal Cameras.

A unique combination of technologies brought together to provide real protection for perimeters. Solution specialized on Thermal Spectrum.

DeepWallThermAI^{Dual} – AI designed for Thermal Dual Cameras. Better video verification.

All the power of Thermal detection combined with the benefits of visible verification.

• Unlimited advanced rules to suit any installation

Multi Zone	ThermNet	AutoZone	AuroScale	WaveCancel
Multi Rule	Loitering	Directionality	Permanence in area	Sabotage & loss of signal

• Comparison table



Dual video recording (Thermal + visible image)		✓
Combined sending to CMS (Thermal + visible image)		✓
Median of alarms camera / day (Thermal spectrum)	0,1 - 0,4	0,1 - 0,4
Maximum distance (Thermal spectrum)	477m (35mm)	477m (35mm)
	Up to 12 channels	Up to 8 channels
	Up to 24 channels	–



CUTTING-EDGE ENGINEERING. SAVE ENERGY AND SPACE.



DeepWall runs across the **Intel®** portfolio to process AI workloads **scalable** to the right customer performance needs. It has been engineered to process **more video streams** per hardware unit. Our unmatched performance **reduces** power consumption and **lowers** hosting and cooling **requirements**. Customers benefit from operational **savings** while we reduce our carbon footprint.