WAVESYS

BORDER SURVEILLANCE
TURNING SMART!!!!

TECH SPEAKS – BRIEF

The security of borders plays a key role in the assertion of national security, management of lawful immigration, prevention of smuggling, and defence against hostile threats. Technology can assist in the task of border surveillance. These can be on board aerial or space platforms, or be ground based, and can be placed under water.

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Artificial Intelligence in border surveillance can be the key to reduced invasions, less loss of lives, and more peace...

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Border surveillance in every country traditionally involves manned forward posts and regular patrolling. However, there are ambiguities in this surveillance system as there are several external factors affecting the watch and the fact that a human cannot be present and alert 24X7. But is it right to give this reason to innocent commoners who lost their family members in a terrorist attack or a cross-firing? There was a need for something that could eliminate or at least minimize the risk of miscreants crossing borders illegally with ill intentions. That's how the idea of AI and surveillance systems evolved in the international border areas too.

Border surveillance does not really need super-specific devices for surveillance, just a few custom-made programs employed with some existent devices, preferably the ones that function in all kinds of weather. Some of the commercial use devices that can be adopted in border surveillance with custom-designed programs/ software are as follows
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- Intrusion sensors and alarm systems to alert officials much before the intrusion
- High-definition 360-degree cameras for a clear picture of all events in unmanned zones
- Drones, Rovers, and other UAVs (unmanned aerial vehicles) to detect and track suspicious movements across the border
- Perimeter detection is used as an early warning for any physical breach.

Surveillance devices at the borders offer real-time intelligence even across remote locations with harsh atmospheres, these will indeed be a life and face-saving approach without costing human lives.

WavesysGlobal offers compact size thermal cameras for border surveillance which support machine learning based video content analytics at edge using open platform video management software.

Wavesys Global specializes in Video Content Analytics, Video Management Software, IP Cameras and IP Access Control Solutions. Waveys Global offer complete analytics suite with features like speed violation, counting, people tracker, zone & lines, object classification, pattern recognition, post estimation and many more.

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