



Security, Communications, Command, and Response
An affiliate of Sentry Technology Group, Inc.

4D's ARMOR[®] Solution Border Protection



A White Paper by 4D Security Solutions, Inc.

Border protection is inherently different than perimeter protection, and therefore has different requirements. Perimeters enclose a site, facility, or asset, and security operations are typically centralized somewhere inside the facility. However, even large sites do not have perimeter lengths that are typical of border distances. Some of the challenges that are typical of border protection include:

- Long stretches of land (or sea, in the case of coastal protection) that need to be monitored.
- A mix of environments that may include sparsely populated areas, on one hand, and proximity to urban areas, on the other.
- The need for distributed command & control (C2); because of the extent of the border that must be protected, a single C2 may not be practical. Rather a hierarchy of C2s may be recommended — at the lowest level, local C2s monitoring sections of a border; a regional level above it; and optionally, a national level at the top.
- The need for longer-range sensors and/or more responders, especially in sparsely populated areas.
- Optional sensor technologies typically not used in perimeter applications — unmanned airborne vehicles (UAVs), aerostats, remotely operated mobile sensor platforms, etc.

This white paper details 4D's approach, as applied to border protection, and how its ARMOR[®] solution is utilized for this application.