



All S1000e-T units on the same channel need to see each other; same thing for S1000e-R

All S1000e-T units need a clear RF line of sight with its S1000e-R

3 channels out of the 11 available in the 2.4 GHz band can be use without any interference. 4 channels are available in each of the 5.3 and 5.8 GHz bands.

Multiple pairs can share one channel; they will also share the available bandwidth on that channel.

The bandwidth configuration in 2.4 GHz can be 1, 2, 5.5 or 11 Mbps or with approximately 50 % for as actual video throughput (45% at 11 Mbps); the rest for protocol overhead.

In the 5.3/5.8 GHz bands, the bandwidth configuration can be 6, 9, 12 or 18 Mbps or with respectively 50 %, 50%, 45% and 40% of actual video throughput.

Distance achieved depends on the bandwidth configuration, and the antenna used. Please refer to the Wireless distance table found on our web site at : http://www.smartsightnetworks.com/Downloads/G07_Tools/Wireless_distance_calculation.pdf

Wireless Application

System Overview
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