



All S1000 units need a clear RF line of sight with the S3000 unit

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

2 different channels are used, one on each side of the repeater unit, to avoid any interference

Multiple pairs can share the channels; 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.

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](http://www.smartsightnetworks.com/Downloads/G07_Tools/Wireless_distance_calculation.pdf)

### Wireless Application

System Overview

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