

All S1100w units within one site do not need to see each other; hidden nodes protocol is included.

All S1100w units need a RF line-of-sight with the S3100 repeater unit; the S3100 transmitter also need a clear line-of-sight with the S3100 base units

All S1000w units should be within the antenna beam width.

3 channels out of the 11 available in the 2.4 GHz band can be use without any interference.

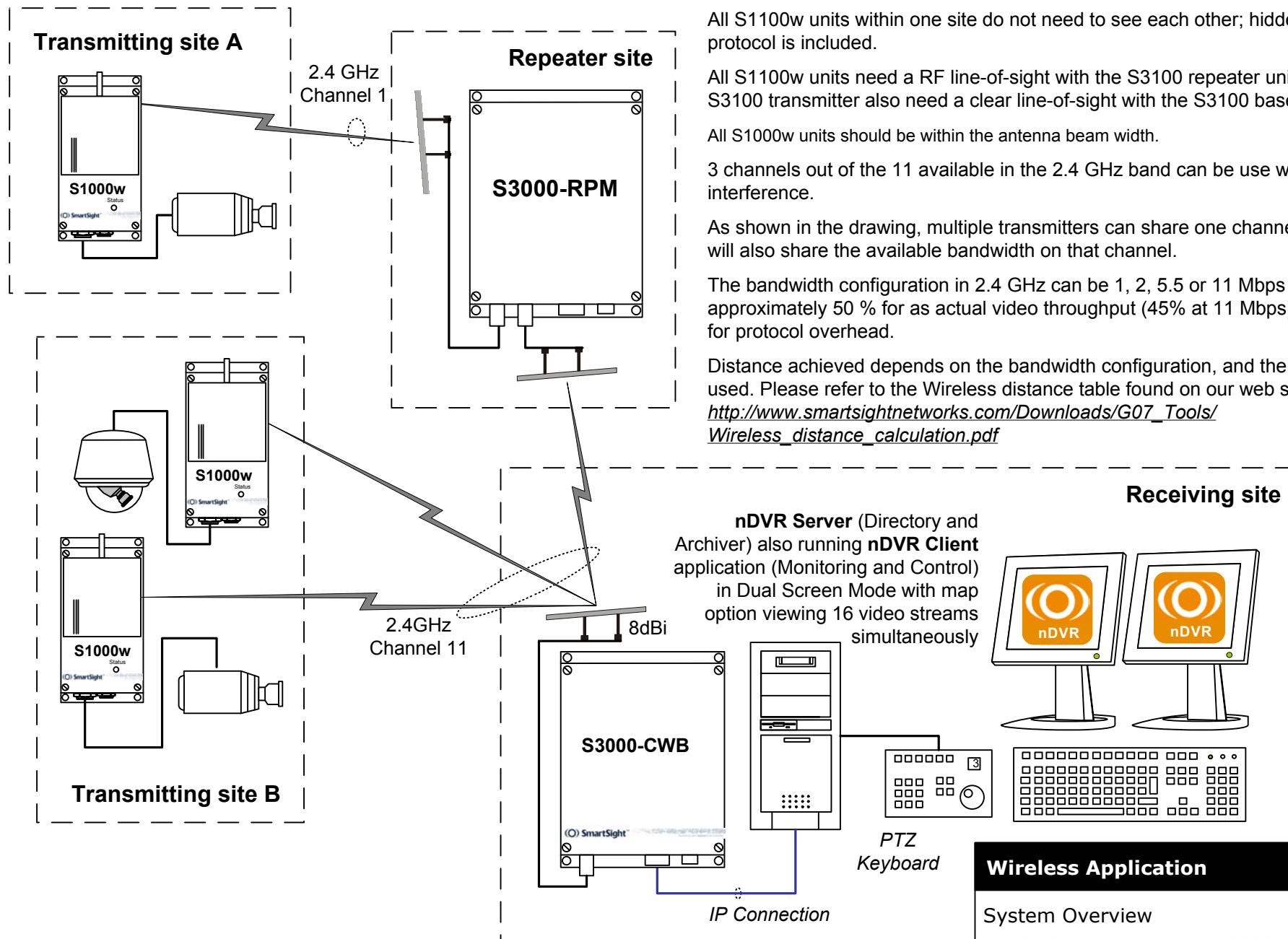
As shown in the drawing, multiple transmitters can share one channel; they will also share the available bandwidth on that channel.

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.

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

Repeaters may be necessary when obstacle are blocking line of sight or when distance between transmitting and receiving site is too long.

Wireless Application



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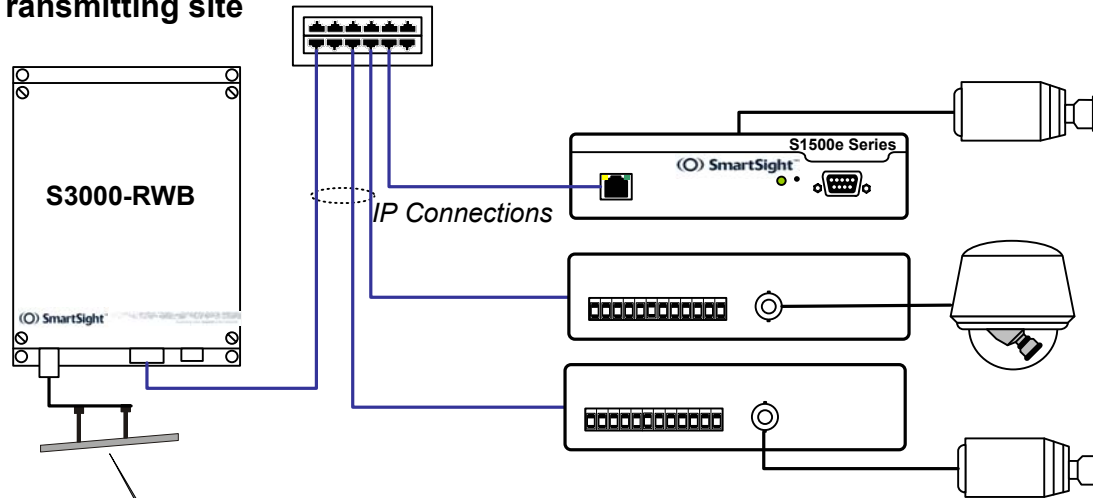
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Wireless Application

System Overview

DWG#CWBRP-AppNotes-2002-11-05/3

Transmitting site



The two S3000 units need a clear line-of-sight

3 channels out of the 11 available in the 2.4 GHz band can be use without any interference.

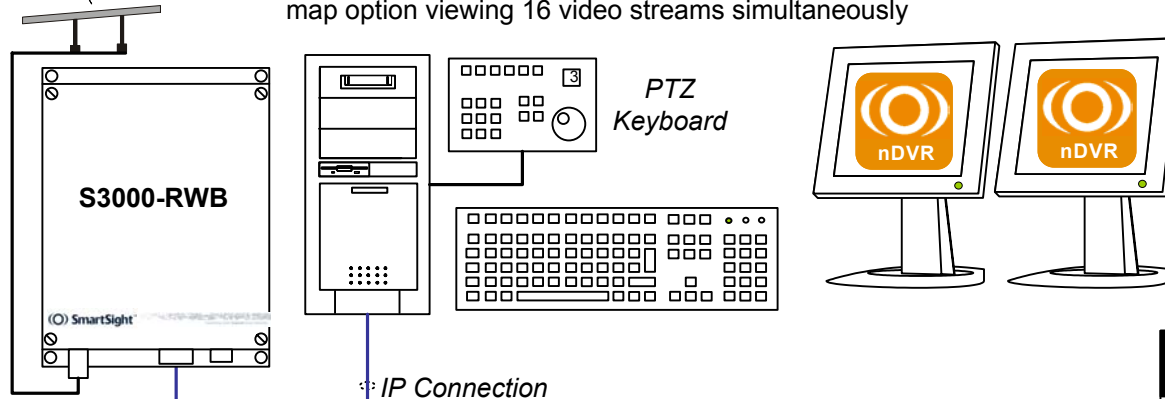
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Only one link per antenna is possible for the RWB unit. The CWB may have more

Receiving site

nDVR Server (Directory and Archiver) also running nDVR Client application (Monitoring and Control) in Dual Screen Mode with map option viewing 16 video streams simultaneously



Wireless Application

System Overview

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