

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 base units.

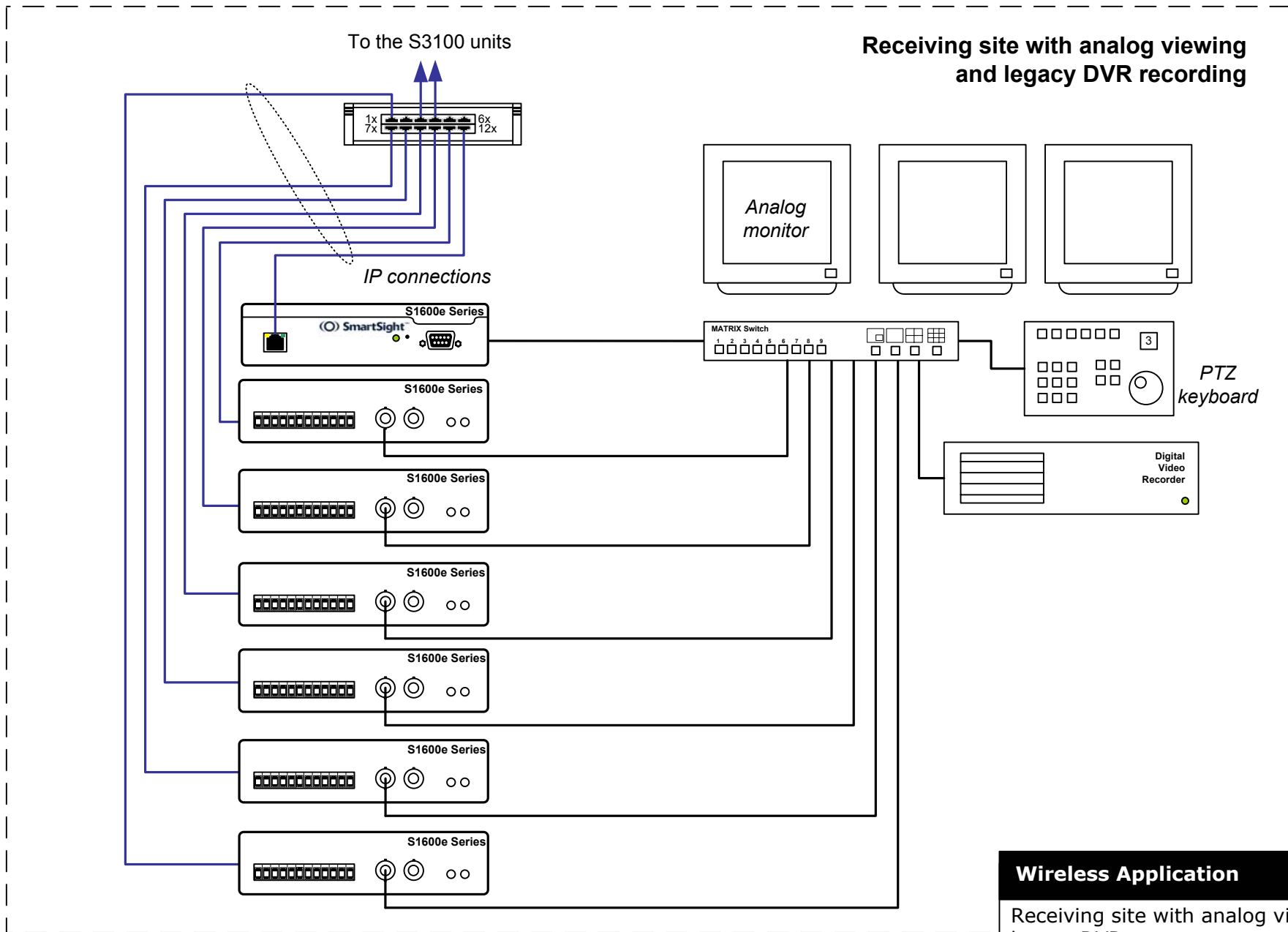
3 channels out of the 11 available in the 2.4 GHz band can be use without any interference. 4 channels are available in each of the 5.3 and 5.8 GHz bands.

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.

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.

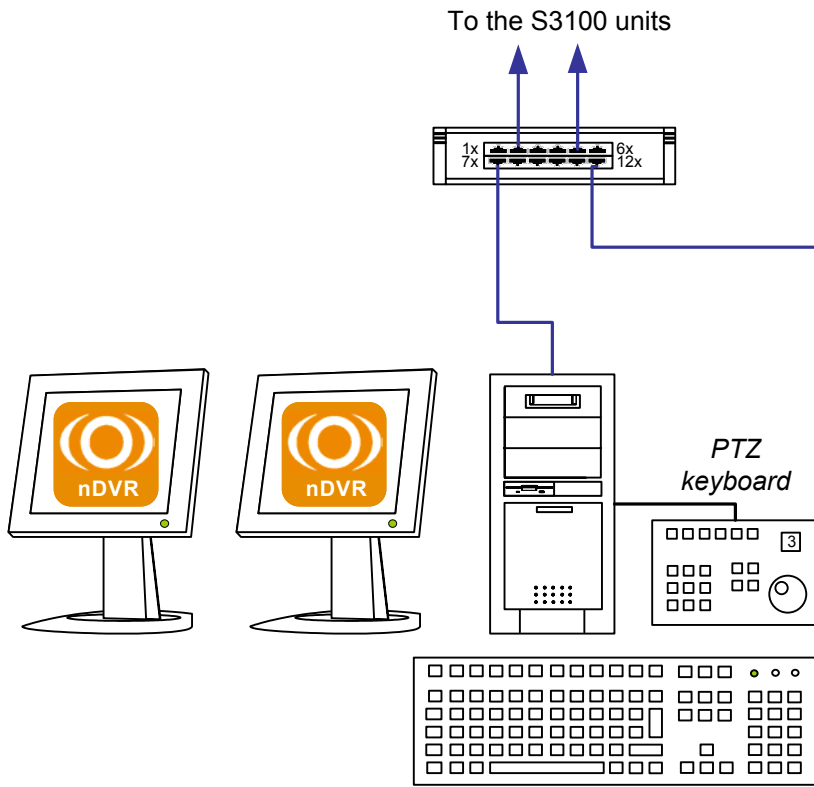
Distance achieved depends on the bandwidth configuration, and the antenna used. Please refer to the Wireless distance table found on our web site at : http://www.smartsightnetworks.com/Downloads/G07_Tools/Wireless_distance_calculation.pdf



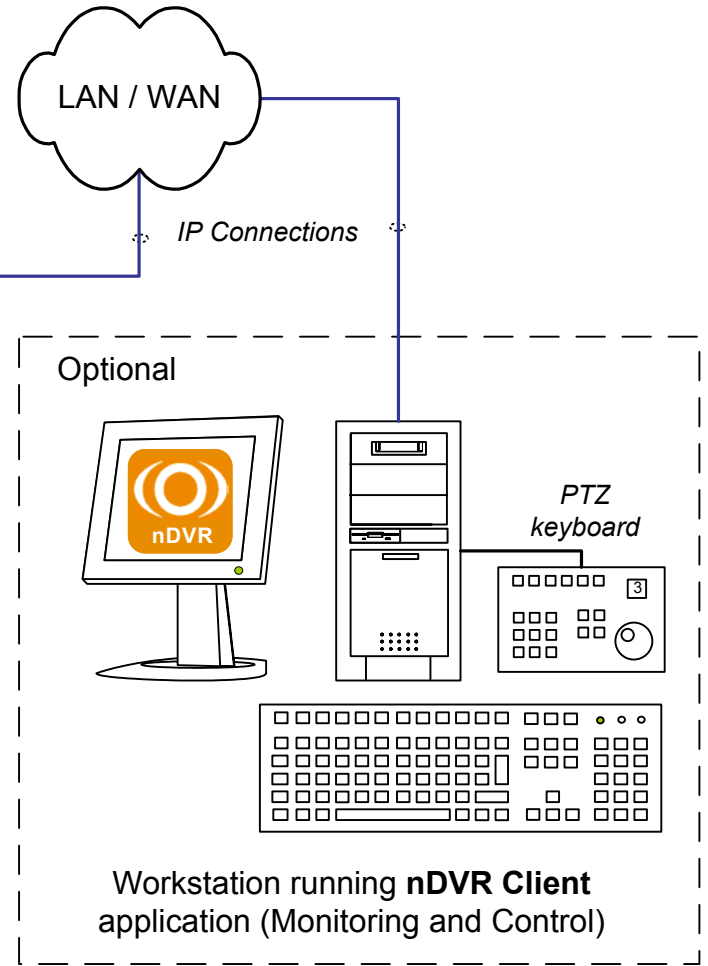
Wireless Application
Receiving site with analog viewing and legacy DVR
DWG#CWB-AppNotes-2002-05-01/2



Receiving site with SmartSight nDVR Monitoring and Recording



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 (up to 32 video streams in dual screen mode
 without the map)



Workstation running **nDVR Client**
 application (Monitoring and Control)

Wireless Application

Receiving site with SmartSight nDVR
 viewing and archiving
 DWG#CWB-AppNotes-2002-05-01/3