



"AirPair provided us with a reliable, cost effective solution enabling us to deliver high bandwidth education applications..."

Stephen Carr, Executive Dir. Technology Services

Ventura County Office of Education

Camarillo, CA
www.vcoe.org

Industry:

Education

DragonWave Product:

- AirPair 50

Key Benefits:

- Ability to offer high capacity (up to 500 Mbps) software scalable services
- Gigabit Ethernet Transport
- High Power Radio option for extended reach
- Ultra low latency, crucial to transporting live interactive videos

New Education Opportunities via Live Interactive Video

Ventura County Office of Education (VCOE) had been exploring new ways of creating educational opportunities for students and teachers to explore the local environment through live interactive video. Active participation in monitoring and gathering data plus interacting with researchers from both the Channel Islands National Park and Channel Islands National Marine Sanctuary was being viewed as imperative for the school districts class curriculum.

News came that a bald eagle would be giving birth on an uninhabited island some 30 miles from shore. Infrastructure was required immediately to provide connectivity between the nesting location to VCOE's headquarters so as to capture and share this rare experience.

Why DragonWave

After careful evaluation, Ventura County Office of Education, decided to leverage two types of microwave and wireless technologies to bring the real time video from the islands to the mainland. They deployed the DragonWave AirPair 50 between the Ventura coast mainland and the County school offices some 26.4 miles away as a backhaul solution to provide a robust scaleable high capacity backbone to transport the ViDolP from an unlicensed 5.8GHz solution. The AirPair solution was deployed in the licensed bands to eliminate any interference, providing a guaranteed high availability backbone network. The AirPair solution provided native Ethernet backhaul with <.5ms latency, enabling a wide range of services including Voice and Video over IP.

DragonWave Inc.

600-411 Legget Drive, Ottawa, Ontario, Canada, K2K 3C9
Tel: 613-599-9991 Fax: 613-599-4225

www.dragonwaveinc.com



Why DragonWave (continued)

DragonWave Certified Partner:



Installed & services the
AirPair equipment

Airlinks Networking
208 Jackson Street, Auburn, IN
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www.airlinksnetworking.com

In addition to reliability and native Ethernet optimization, the AirPair 50 was selected for its high bandwidth capabilities. The AirPair 50 provides a committed information rate (CIR) of 50 Mbps full duplex. As well as the day one capacity, future scalability was a very important consideration throughout the decision process, as future projects like the "Anacapa Island Underwater Dive Program" would require additional backhaul capacity once established. To this end, AirPair was ideally suited, as it provided a remote, software activated upgrade to 400 Mbps full duplex. Purchasing and installing a software key remotely via the SNMP or the Web GUI proved to be much simpler than purchasing a new radio link, avoiding costly truck rolls, microwave engineering, licensing and installation, plus remove any delays in delivering future live content projects.....like the birth of a new bald eagle.

“DragonWave & Airlinks exceeded our installation expectations, working closely with my team to integrate the AirPair solution into our existing network..”

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