



FiberinMotion® Solutions

Boosting broadband connectivity for vehicles and vessels in motion
Up to 750Mbps and 350Km/h

Public and private organizations require broadband connectivity for vehicles and vessels in motion, essential for onboard video surveillance, internet access, data base access, heavy machinery operations and more.

RADWIN uniquely addresses the needs of the market by offering long range coverage and fiber-like capacity for mobile video and data connectivity at an affordable Total Cost of Ownership (TCO).

RADWIN FiberinMotion® solution offers powerful, easy to deploy base stations that guarantee high capacity connectivity to ruggedized mobile units mounted on vehicles and vessels in motion.

FiberinMotion® Solutions



Ports

- » Remote control and monitoring of freight cranes to monitor operations
- » Real-time monitoring of port facilities and crane operators



Ferries

- » Passenger Internet access and data transmission for the crew



Mines

- » Connectivity for fleet management system and real-time monitoring
- » Autonomous haulage system (AHS) connectivity
- » Remote control of bulldozers, shovels and drills



Oil & Gas

- » Ship-to-rig communications
- » Data transmission, video conferencing and Internet access to supply and maintenance vessels
- » Real-time video transmission to and from rigs and fire & rescue vessels



Border Security

- » Real-time video transmission from unmanned ground vehicles
- » Real-time video transmission from border cameras to border patrol



Patrol Units & Mobile Command

- » Broadband connectivity to transmit real-time video, data and VoIP



Security Patrol Boats

- » Real-time video & data from boats patrolling rivers, bays and canals to the control center



Airports

- » Mobile video and VoIP for security patrol and ARFF vehicles
- » Database access for airport operations & maintenance across airfields and airport property



FiberinMotion® Solution Highlights



TBS – High Capacity Base Station

- » Up to 750Mbps
- » Simultaneously supports up to 16 TMUs
- » Wide Area Coverage – Up to 2Km between base stations
- » Guaranteed bandwidth per vehicle or vessel
- » Multiband - 4.9 - 6.0 GHz
- » MIMO 3x3/Diversity Dynamic Selection for maximum capacity and quality
- » Secured connectivity – AES128
- » Modulation Support of upto 256QAM
- » Ruggedized, IP67

TMU- High Capacity Mobile Unit

- » Internal or external installation – suitable for vehicles, trucks, heavy machinery busses and vessels
- » Up to 750Mbps
- » High speed - 350km/h
- » Integrated GPS for vehicle tracking
- » Ruggedized, IP67
- » Simple installation



“ BNC has deployed RADWIN’s FiberinMotion® to provide customers with wireless broadband in motion for police vehicles, port machinery and ship to oil rig connectivity. We are happy to say that this solution has successfully and reliably delivered high quality and real-time voice, video and data for vehicles, vessels and heavy machinery on the move. ”

Erwin Yin, Vice President, BNC, China



RADWIN is a leading provider of Point-to-Multipoint and Point-to-Point broadband wireless solutions. Incorporating the most advanced technologies such as a beamforming antenna and an innovative air interface, RADWIN’s systems deliver optimal performance in the toughest conditions including high interference and obstructed line-of-sight.

Deployed in over 170 countries, RADWIN’s solutions power applications including backhaul, broadband access, private network connectivity, video surveillance transmission as well as delivering broadband on the move for trains, vehicles and vessels.

RADWIN

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