

IK-200

3-Element 2.4GHz/5GHz WiFi Antenna



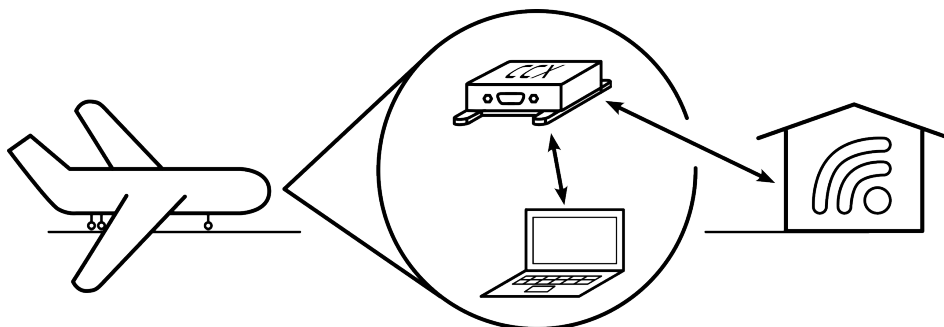
The CCX Technologies IK-200 is a three-element dual-band (2.4GHz/5GHz) WiFi antenna intended for installation within the cabin of an aircraft. At just 0.6 inches tall the antenna can be conveniently installed under a headliner or behind almost any panel with no additional adapter brackets.

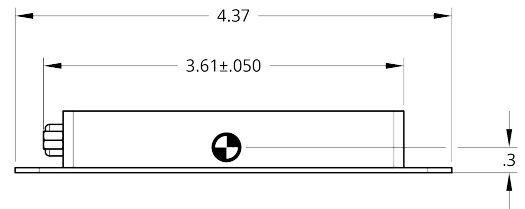
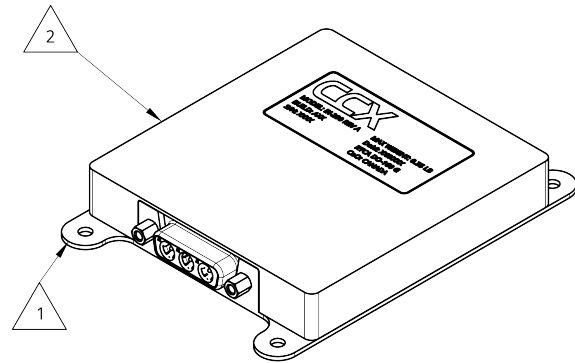
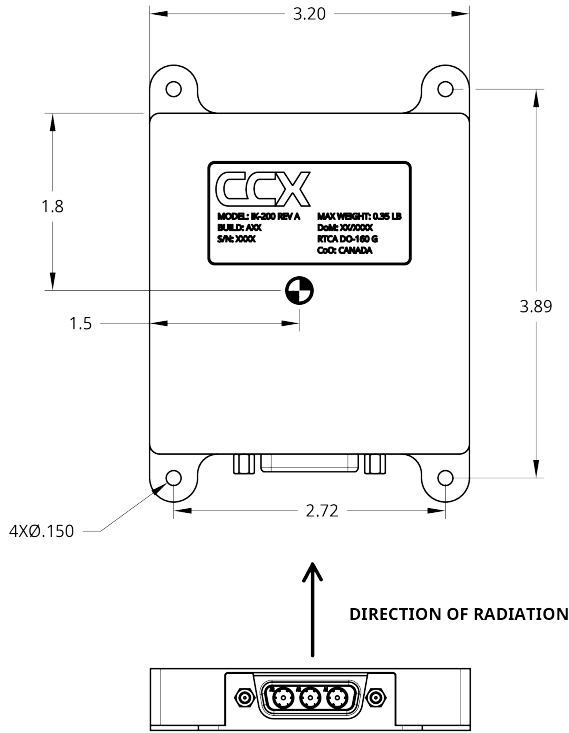
The IK-200 uses D-Sub Coax Connectors, which – unlike SMA connectors – will stay securely fastened in high-vibration environments. The pins in the D-Sub Coaxial Connectors can also be crimped to larger diameter coaxial cables providing additional installation options with longer length, very low-loss cables.

This directional antenna connects directly to the router/server and utilizes the IEEE 802.11ac WiFi standard to deliver enhanced signal strength to passengers and equipment onboard an aircraft.

Features

- Supports the 2.4GHz and 5GHz WiFi bands
- Size, Weight, and Power (SWaP) optimized
- Easy to install with D-Sub coax connectors
- Radiating pattern designed for use in an aircraft cabin
- Supports the radios in all CCX Technologies Routers; can be used with 3rd party cabin routers and WAPs
- Can be used with any 2 or 3 element MIMO WiFi applications





Technical Information

Dimensions	3.25"L x 3.25"W x 0.60"H
Weight	0.35lb
Mounting Provisions	4 mounting holes for #6 bolts or screws; flange mount.
Connectors	MIL-DTL-24308G 3W3 Female D-sub
Bandwidth	2.4GHz-2.5GHz and 4.9GHz-5.85GHz
Input Impedance	50 ohms
Average Gain	2.4GHz-2.5GHz: -3.15dBi 4.9GHz-5.5GHz: -3.47dBi 5.5GHz-5.85GHz: -3.70dBi
Peak Gain	2.4GHz-2.5GHz: 5.70dBi 4.9GHz-5.5GHz: 5.29dBi 5.5GHz-5.85GHz: 4.03dBi
Environmental Qualifications	RTCA DO-160G


Interfaces

QTY	Interfaces	Standards
3	RF Interface	WiFi 2.4GHz and 5GHz bands

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