

BOUNDARY LAYER WIND PRDFILER RADAR

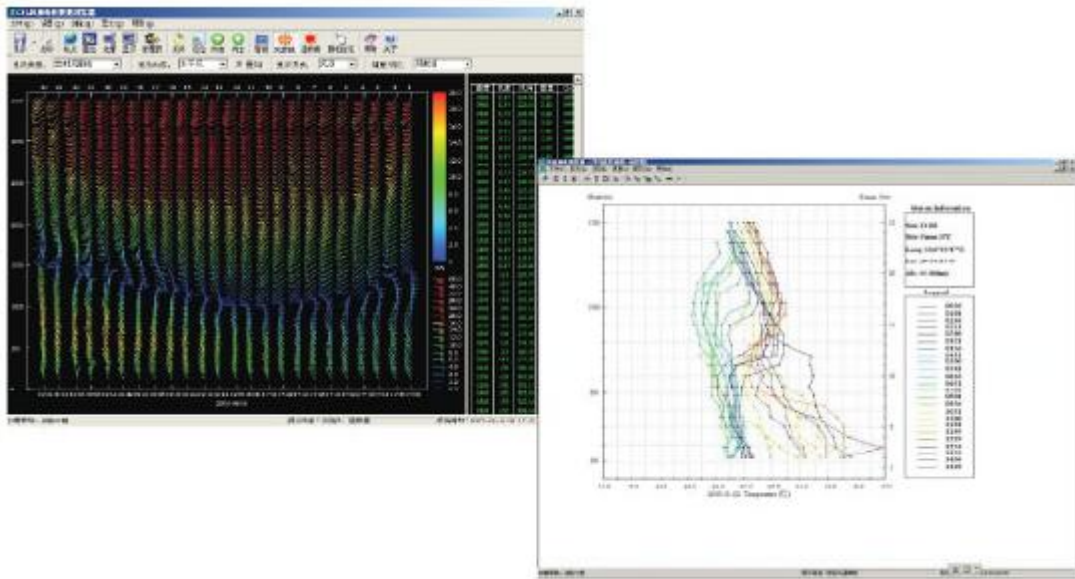
The system is a Doppler, steerable beam, boundary layer wind profiles radar. with solid-state transmitter , that reliably provides continuous and real-time vertical profiles of horizontal wind speed and direction, horizontal wind components, and vertical velocity from 100m up to 3.6km above ground level (agl) in unattended operation. This system Can be extended by adding an optional Radio Acoustic Sounding System (RASS).



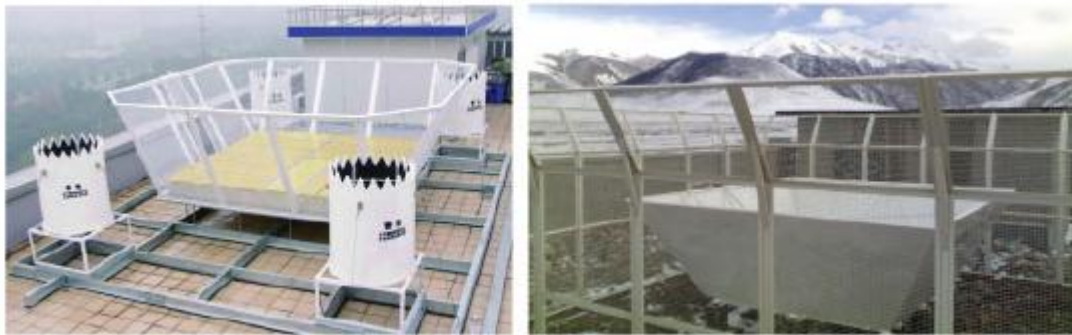
**Stationary Boundary Layer Wind Profiler Radar
(The Olympics guarantee item)**

Main technical specifications

Detection range	Wind measurement: 100m---3.6km
	Temperature measurement : 100m — 1.5km
	Wind direction:0°---360°
	Wind speed: 0m/s--40m/s
	Vertical air current: ± 24 m/s
Detection accuracy	Wind direction: $\leq 10^\circ$
	Wind speed: ≤ 1 m/s
	Vertical air current: ≤ 0.25 m/s
	Temperature (virtual temperature) : $\leq 1^\circ\text{C}$
Resolution	Altitude: 60m
	Output one group of wind profile: ≤ 6 min
	Output one group of temperature profile: ≤ 3 min



Stationary Boundary Layer Wind Profiler Radar



Mobile Boundary Layer Wind Profiler Radar

