



X-Band Dual Polarization Weather Radar

X-band weather radar is mainly used to obtain reflectivity factors, radial velocity, spectrum width and polarization parameters of cloud and rain targets within an effective range. It is a powerful tool for the analysis of medium-scale and small-scale weather system, warning of severe convection and formulate short-term weather forecasts. It can be used for the real-time monitoring and warning for medium-scale and small-scale storms, hails, strong wind shears, cyclones, tornadoes, high winds and other disastrous weather.

Technical Specification

Model	X-Band Dual polarization weather radar (WR-X100)	
<i>Operating frequency</i>	<i>X band</i>	
<i>Detection rang</i>	<i>Vertical</i>	<i>160m~ 20km</i>
	<i>Horizontal</i>	<i>150m~150km</i>
	<i>Distance resolution</i>	<i>75, 150m</i>
<i>Transmitter system</i>	<i>Solid-stage transmitter</i>	
<i>Detecting precision</i>	<i>Echo intensity</i>	<i>≤ 1dB(RMS)</i>
	<i>Radio velocity</i>	<i>≤ 1m/s(RMS)</i>
<i>Range of scanning</i>	<i>Position</i>	<i>0°~360°</i>
	<i>Pitching</i>	<i>-2°~+ 182°</i>
<i>Installation pattern</i>	<i>Shelter- in, fixed & vehicle- mounted</i>	