

# RTX Comparison

Trimble RTX™ (Real Time eXtended) is a high-accuracy correction service offering a range of accuracies to meet mapping requirement across many industries and budgets. RTX leverages real-time data from a global tracking station network along with innovative positioning and compression algorithms to compute and relay satellite orbit, satellite clock, and other system adjustments to the receiver, resulting in the real time high accuracies. This technology allows for data collection without being connected directly to a base station.

	CenterPoint® RTX	FieldPoint RTX	RangePoint™ RTX	ViewPoint RTX™
<b>RMS Accuracy (68%)</b>	2 cm	10 cm	30 cm	50 cm
<b>Convergence/Initialization Time<sup>1</sup></b>	<1 Minute Fast/<15Minutes Worldwide	<1 Minute Fast/<15Minutes Worldwide	<5 Minutes	<5 Minutes
<b>HRMS Accuracy (95%)</b>	2.5 cm	20 cm	50 cm	100 cm
<b>Convergence/Initialization Time<sup>1</sup></b>	<2 Minute Fast/<20Minutes Worldwide	<1 Minute Fast/<15Minutes Worldwide	<5 Minutes	<5 Minutes
<b>Constellation Support</b>	GPS, GLONASS, BeiDou, QZSS	GPS, GLONASS, BeiDou, QZSS	GPS, GLONASS, BeiDou, QZSS	GPS, GLONASS, BeiDou, QZSS
<b>R1</b>				X
<b>R2</b>	X	X	X	X
<b>EM100</b>				X
<b>TDC150</b>		X		
<b>Geo 7<sup>2</sup></b>	X	X	X	X
<b>Geo 7 Option Requirements</b>	Centimeter	Flood light, H-Star	Floodlight, H-Star	Floodlight
<b>Geo 7 Antenna Requirements</b>	Zephyr Model 3	Internal or Tornado	Internal or Tornado	Internal or Tempest
<b>TerraSync Edition</b>	Centimeter	Professional/Standard	Professional/Standard	Professional/Standard
<b>TerraFlex</b>	X	X	X	X
<b>Collector for ArcGIS</b>	X	X	X	X
<b>Survey123 for ArcGIS</b>	X	X	X	X

For more information or a demo, please contact your Frontier Precision sales rep.

<sup>1</sup> Receiver convergence time varies based on GNSS constellation health, level of multipath, and proximity to obstructions such as large trees and buildings.

<sup>2</sup> Geo 7 can only receive the RTX correction over IP. A cellular or WiFi connection will be required in the field.