






# Apache Precision Options

RUGGEDLY SIMPLE, DEPENDABLE AND PROFITABLE



## FIELD COMPUTERS

			
Features	Envizio Pro II	Viper 4	FMX
TOUCH SCREEN CONTROL	6.5"	12.1"	12.1"
FOUR GUIDANCE PATHS: STRAIGHT A-B, LAST PASS, PIVOT, FIXED CURVE	YES	YES	YES
INTERNAL STORAGE MEMORY	512 MB	> 5 GB	2 GB
AUTOMATIC RATE CONTROLLER	YES	YES	YES
MAX. NUMBER OF PRODUCTS CONTROL	4	10	1
APPLICATION MAPPING & REPORTS	YES	YES	YES
WIRELESS CAPABLE	YES	YES	YES
NUMBER OF USB PORTS	2	2	1
ROAD MAP CAPABILITIES	NO	NO	NO
MULTIPLE SCREEN VIEWS	YES	YES	YES
OPERATING SYSTEM	Windows CE	Windows 7	Linux
BOOM AUTOMATIC HEIGHT CONTROL	YES with AutoBoom	YES with AutoBoom	YES with AutoBoom <sup>3</sup>
SECTION CONTROL CAPABILITY <sup>1</sup>	YES with AccuBoom	YES with AccuBoom	YES with Field IQ
CONTROLS AUTOSTEER	YES with SmarTrax	YES with SmarTrax	YES with Autopilot
INTERNAL GPS ANTENNA/RECEIVER <sup>2</sup>	Internal	Internal	Internal
AG CAMERA CAPABLE	NO	YES	YES



Trimble FMX



Raven Envizio Pro II



Raven Viper 4

<sup>1</sup> All Apaches sold with factory-installed field computers will receive factory-installed boom section controls as well. <sup>2</sup> GPS Configurations listed below in GPS Antenna/Receivers field. <sup>3</sup> Option available with stand-alone Raven AutoBoom. <sup>4</sup> Option available with stand-alone Raven AccuBoom.

All Model Year 2014 Apache sprayers are available with optional ISOBUS-ready wiring in lieu of factory-installed field computers. Refer to your specific precision agriculture product documentation for compatibility information. Equipment Technologies factory installs all field computers using CAN bus wiring and protocols.

# Apache Precision Options, Cont.

RAVEN

Trimble

## GPS ANTENNA/RECEIVERS

Features	Envizio Pro II	Viper 4	FMX
<b>WAAS CAPABLE</b> Wide Area Augmentation System Accuracy = 7" - 11" pass-to-pass	YES	YES	YES
<b>Omnistar XP/HP Capable</b> Wide Area Augmentation System Accuracy = up to 2" - 4" pass-to-pass	YES	YES	YES
<b>RTK CAPABLE</b> Real-Time Kinematics Accuracy = sub-inch repeatable	YES	YES	YES
<b>GNASS CAPABLE<sup>1</sup></b> Glonass	YES	YES	YES

<sup>1</sup> GNASS is not a standalone option. GNASS provides additional reliability to support RTK solutions.

## AUTOMATIC SECTION SHUT-OFF

Features	AccuBoom	Field IQ
INDIVIDUAL BOOM SECTION CONTROL	YES	YES
ADJUSTABLE LOOK-AHEAD FUNCTION	YES	YES
MAX. NUMBER OF SECTIONS CONTROLLED	up to 10	up to 10
REDUCTION IN OVERLAP	YES	YES
HANDS-OFF OPERATION	YES	YES
ADJUSTABLE TURN-OFF PERCENTAGE	YES	YES

## AUTOSTEER

Features	SmarTrax <sup>1</sup>	Autopilot <sup>1</sup>
<b>LINE ACQUISITION</b> ENGAGE AFTER TURNING OVER HALFWAY AROUND	YES	YES
<b>AUTOMATED CALIBRATION</b>	YES	YES
<b>3D TERRAIN COMPENSATION</b>	YES	YES
<b>FOOT PEDAL ENGAGEMENT</b>	YES	NO
<b>JOYSTICK ENGAGEMENT</b>	YES	YES
<b>STEERING WHEEL DISENGAGEMENT</b>	YES	YES
<b>FOUR GUIDANCE PATHS:</b> STRAIGHT A-B, LAST PASS, PIVOT, AND FIXED CURVE	YES	YES
<b>MAX. OPERATING SPEED</b>	25	18
<b>ACCURACY</b>	2" to 4" < 10 MPH 4" to 7" > 10 MPH	2" to 4" < 10 MPH 4" to 7" > 10 MPH

<sup>1</sup> Both SmarTrax and Autopilot are hydraulic systems.

## BOOM HEIGHT LEVELING (AUTOBOOM)

Features	PowerGlide	UltraGlide	Trimble
GAUGE WHEELS	YES	Optional	You may run Raven AutoBoom.
ULTRASONIC SENSORS	Optional <sup>1</sup>	YES	
ONE-TOUCH CALIBRATION	YES	YES	
THREE or FIVE ULTRASONIC SENSORS <sup>2</sup>	NO	YES	
CENTER RACK CONTROL	YES <sup>1</sup>	YES	
DUAL SENSOR KIT	NO	Optional	

<sup>1</sup> Ultrasonic eye for center rack control with PowerGlide Plus. <sup>2</sup> Pommier booms require five ultrasonic sensors.



Raven Envizio Pro II with ET Pilot System™