## **RetroTek-D** Key Specifications

Measuring Geometry     30 meters. According to CEN Geometry, CEN EN 1436 and ASTM E 1710       Observation Angle     EN1438: 229° ASTM E 1710 : 1.05° Hilumination Angle     EN1438: 1.24° ASTM E 1710 : 88.75°       Width of measuring field     Across lane width ~ 16ft (4.88m) Field Of View (FOV)       Measuring speed - minimum     No Minimum       Measuring speed - maximum     Evaluated & Certified to 75MPH (120Km/H)       Measuring range RL     0 – 2,000 mcd.m-2.1x-1       Reflective Pavement Markers     Measures and counts presence and absence       Double Lines     Measures the night-time visible width       Driver display     Microsoft Surface Pro       Camera rate     20 Frames per second (FPS)       Measurements per second     50 lines per frame = 1,000 lines per second       RL accuracy     Typically +/-3%       GPS System     Multi constellation GNSS , Reads GPS, GLONAS, Gailieo & Baidu       GPS Accuracy     Accurate to ~2.5m with UDR (untethered dead reckoning) Works in tunnels       Light Source     Customizad LED Projectors       Output results formats     GPS tagged, CSV, KML, SHP, PDF & video files       Video format     HD Video Calour       Connection to laptop     Gigabit Ethernet Cable       Image ou		
Deservation Angle     ASTM E 1710: 1.05°       Illumination Angle     EN1436: 1.24°       ASTM E 1710: 88.76°     Width of measuring field       Across lane width ~ 16ft (4.88m) Field Of View (FOV)       Measuring distance     In front of vehicle ~ 39ft (12m)       Measuring speed - maximum     No Minimum       Measuring speed - maximum     Evaluated & Certified to 75MPH (120Km/H)       Measuring range RL     0 - 2,000 mcd.m-2.1x-1       Reflective Pavement Markers     Measures and counts presence and absence       Double Lines     Measures and reports each line individually or combined       Marking line width     Measures the night-time visible width       Driver display     Microsoft Surface Pro       Camera rate     20 Frames per second (FPS)       Measurements per second     50 lines per frame = 1,000 lines per second       RL accuracy     Typically +/- 5%       RL repeatability     Typically +/- 5%       GPS System     Multi constellation GNS S, Reads GPS, GLONAS, Gailieo & Baidu       GPS Accuracy     Accurate to ~2.5m with UDR (unterhered dead reckoning) Works in tunnels       Light Source     Customized LED Projectors       Output results formats     GPS tagged, CSV, KML, SHP, P	Measuring Geometry	
Illumination Argie     ASTM E 1710: 88.76°       Width of measuring field     Across lane width ~ 16ft (4.88m) Field Of View (FOV)       Measuring speed - maximum     In front of vehicle ~ 39ft (12m)       Measuring speed - maximum     Evaluated & Certified to 75MPH (120Km/H)       Measuring range RL     0 - 2,000 mcd.m-2.tx-1       Reflective Pavement Markers     Measures and counts presence and absence       Double Lines     Measures and reports each line individually or combined       Marking line width     Measures the night-time visible width       Driver display     Microsoft Surface Pro       Camera rate     20 Frames per second (FPS)       Measurements per second     50 lines per frame = 1,000 lines per second       RL accuracy     Typically +/- 5%       RL repeatability     Typically +/- 5%       GPS System     Multi constellation GNSS , Reads GPS, GLONAS, Galileo & Baidu       GPS Accuracy     Accurate to -2.5m with UDR (untethered dead reckoning) Works in tunnels       Light Source     Customized LED Projectors       Output results formats     GPS tagged, CSV, KML, SHP, PDF & video files       Video format     HD Video Colour       Connection to laptop     Gigabit Ethernet Cable	Observation Angle	ASTM E 1710: 1.05°
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Measuring speed - minimum     No Minimum       Measuring speed - maximum     Evaluated & Certified to 75MPH (120Km/H)       Measuring range RL     0 - 2,000 mcd.m-2.1x-1       Reflective Pavement Markers     Measures and reports each line individually or combined       Double Lines     Measures and reports each line individually or combined       Marking line width     Measures the night-time visible width       Driver display     Microsoft Surface Pro       Camera rate     20 Frames per second (FPS)       Measurements per second     50 lines per frame = 1,000 lines per second       RL accuracy     Typically +/-5%       RL repeatability     Typically +/-3%       GPS System     Multi constellation GNSS , Reads GPS, GLONAS, Galileo & Baidu       GPS Accuracy     Accurate to ~2.5m with UDR (untethered dead reckoning) Works in tunnels       Light Source     Customized LED Projectors       Output results formats     GPS tagged, CSV, KML, SHP, PDF & video files       Video format     HD Video Colour       Connection to laptop     Gigabit Ethernet Cable       Image output     Colour image stream       Day Time Contrast – ratio of marking to background road surface (Weber)       Operating Temperature	Width of measuring field	Across lane width ~ 16ft (4.88m) Field Of View (FOV)
Measuring speed - maximum     Evaluated & Certified to 75MPH (120Km/H)       Measuring range RL     0 – 2,000 mcd.m-2.lx-1       Reflective Pavement Markers     Measures and counts presence and absence       Double Lines     Measures and reports each line individually or combined       Marking line width     Measures the night-time visible width       Driver display     Microsoft Surface Pro       Camera rate     20 Frames per second (FPS)       Measurements per second     50 lines per frame = 1,000 lines per second       RL accuracy     Typically +/- 5%       RL repeatability     Typically +/- 5%       GPS System     Multi constellation GNSS , Reads GPS, GLONAS, Galileo & Baidu       GPS Accuracy     Accurate to ~2.5m with UDR (untethered dead reckoning) Works in tunnels       Light Source     Customized LED Projectors       Output results formats     GPS tagged, CSV, KML, SHP, PDF & video files       Video format     HD Video Colour       Connection to laptop     Gigabit Ethernet Cable       Image output     Colour image stream       Day Time Contrast     Day Time Contrast – ratio of marking to background road surface (Weber)       Operating Temperature     5°F - 140°F (-15°C to 60°C)	Measuring distance	In front of vehicle ~ 39ft (12m)
Measuring range RL   0 - 2,000 mcd.m-2.lx-1     Reflective Pavement Markers   Measures and counts presence and absence     Double Lines   Measures and reports each line individually or combined     Marking line width   Measures the night-time visible width     Driver display   Microsoft Surface Pro     Camera rate   20 Frames per second (FPS)     Measurements per second   50 lines per frame = 1,000 lines per second     RL accuracy   Typically +/- 5%     RL repeatability   Typically +/- 5%     GPS System   Multi constellation GNSS , Reads GPS, GLONAS, Galileo & Baidu     GPS Accuracy   Accurate to -2.5m with UDR (untethered dead reckoning) Works in tunnels     Light Source   Customized LED Projectors     Output results formats   GPS tagged, CSV, KML, SHP, PDF & video files     Video format   HD Video Colour     Connection to laptop   Gigabit Ethernet Cable     Image output   Colour image stream     Day Contrast   Day Time Contrast – ratio of marking to background road surface (Weber)     Operating Temperature   5%F - 140%F (-15%C to 65%C)     Storage Temperature   5%F - 140%F (-15%C to 65%C)     Humidity Range   85% Non-condensing     Dim	Measuring speed - minimum	No Minimum
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	Dimensions (L x W x H)	
Vehicle Mounting     Standard 2" Square Tow Hitch	Weight of unit	
	Vehicle Mounting	Standard 2" Square Tow Hitch
Dust/Water Proofing IP66	Dust/Water Proofing	IP66

Phone: (469) 619 0899