








Technical Specification of Kawasaki Locomotive Mounted Track Fastener Monitoring System (KTFM)

Equipment	Camera Unit 	Radar Speed Sensor 	DAQ and Communication Unit 	Cellular and GPS Unit 	Ethernet Hub and Power Unit 	Edge Security Unit 	Edge Processing Unit 
Dimensions	20" x 14" x 11"	19" x 9" x 6"	15" x 14" x 5"	11" x 10" x 4"	14" x 13" x 7"	12" x 7" x 4"	15" x 11" x 5"
Weight	38 lbs	10 lbs	27 lbs	14 lbs	37 lbs	6 lbs	35 lbs
Dust and Water Proof	IP 66		IP 54				N / A
Quantity / Locomotive	2	1	1	1	1	1	1
General Requirement	IEC 60571						
Operating Temperature	- 22 ° F to 122 ° F	- 40 ° F to 158 ° F	- 40 ° F to 122 ° F				
Relative Humidity	Up to 95% no condensation						
Shock and Vibration	IEC 61373 category 1, class B						
Electromagnetic Compatibility	IEC 62236-3-2						
Operating Speed	UP to 75mph						
Operating Voltage	74VDC						