

WIM Scale: DCS-30K II

DCS-30K II is cost-effective low-speed WIM scale for truck weight measurement speed under 20km/h and accuracy within 11%. The scale has massired difficulty measurement speed to the cost of the cost

Product	Parameters	
Scale size	common lane 3.5 * 1.6m (common lane); ultra-wide lane 4.2 * 1.6m (ultra-wide lane)	
Rated load	301	
Maximum overload capability	150%F.S	
Accuracy level	Level 2 (whole vehicle weighing accuracy)	
Axle or axle group weighing accuracy	group weighing accuracy Level C	
Protection level of weighing sensor	JP68	
Operating temperature	-40°C +80°C	
MTBF	≥ 20000h	

The WIM Management Platform:

Van,tee has developed WIM big data platform to help traffic agency monitor every truck on the road. Van,tee has connected the most local weighing station database to the central platform to provide WIM big data service, GIS information and statistical analysis. The platform would provide necessary and sufficient WIM enforcement evidence including time, location, plate number, gross weight, and enumber, cerves wight rise, short video and truck or not. The agency would search the specific truck plate number and violation records to improve WIM

Additionally, the platform would also generate blacklist for trucks which has too many violation records. If the driver has dissent on the penalty, the platform can provide overloading truck short video to assist a tribunal's judgement. In conclusion, WIM direct enforcement would improve enforcement efficiency and justice as well as improve traffic efficiency.



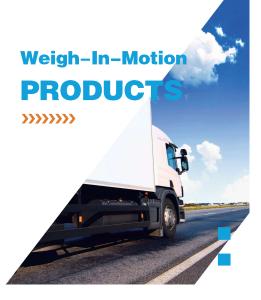


VanJee International policy on business partners and local agencies—



BEJING HEADQUARTERS
Address: Bulding No.12. Zhongquarun Software
Beijing, 1001 36 Patr. 910-5885666
Weblet: www.Walkse.enfo. Email Zhalzhong







Weigh-In-Motion Product:

VanJee Technology is Weigh-In-Motion market leader which hold the largest WIM market share in China.

Vanulee provides both high-Speed WIM System and low speed-System WIM System. Most importantly, Vanulee launched the first WIM Direct Enforcement System in China. As a result, traffic agency would reg-ulate overlanded trucks more effectively to protect troat quality and improve traffic safety. Vanulee has distributed more than 6 flowasin WIM equipment to the transposition flowatry as well as has obtained more than 100 intellectual property rights in the WIM industry. Vanulee Weigh-In-Motion also has been used in worldwide including Togo, Republic of Congo, Mozambique and Myanmar.

Vanue WIM Direct Enforcement System is to regulate overloading truck in free flow situation with the speed G-130 km/h. This all-inclusive WIM Direct enforcement edution includes high-speed weigh-in-motion system, LDAR, AMPR, the traffic video monitoring system and WIM data management platform. This system collects not roly accurate truck weight data but also the complete chain of legal evidence to perform weight enforcement. The not part of the system (the weighing system and LDAR system) would collect vehicle information including asia weights, cyrotic vehicle weights, which is the system and to the platform. Based on these data, the platform can automatically determine whether truck is overhoaded or not. The policement on for freed to slot the trucks on they not in the platform the situations. The discerned not not need to slot the trucks on the yon on the highway that of the stop the targeted trucks. The direct enforcement method improves the efficiency of weighing system agnificantly.





Strain Gauge Sensor (Bar Sensor)

Varuue designs the bar sensor base on strain gauge technology and develop specific interleav Variuse designs the bar senior base on strain guage technology and develop specific inferferen-ing sensor layout in Wild system to meet the weight enforcement accuracy requirements ±2.5%. First of all, Variuse bar sensor elestomer is only 5 mm which means the sensor has small pressure area and has less amount of shape changing. Therefore, Variuse bar sensor has the great competitive advantage in durability and lifespan. The sensor is not limited by roadway lanes width and it is flexible to install in any road position.

- 2 The bar sensor requires small construction workload which causes less damage to the road
- The bar sensors can be digged out and reinsert into slot to use again when client need to work on rutting issue.

	1800mm*78mm*78mm	Repeatability	0.1%FS
	or 975mm*76mm*76mm	Insulation resistance	5X109
material	alloy steel	Rated load (wheel load)	151
sensor type	strain gauge sensor	Overload capacity	150%
input electrical resistance	3,0KΩ	Protection class	IP68, can use in the water
output electrical resistance	2,8KD	Temperature range	-40°C-+80°C
Sensitivity	0.415mV/V	Sensor (fespan	220 million adjes
Nonlinear ratio	0.2%LD	Installation method	Inserted in the road surfac



Intelligent Weighing datalogger:

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The intelligent weighing datalogger is to process weighing signal and information from bar sensors. Additionally, the datalogger would transform weighing data and update real-time data to the database. The datalogger has represent the data byte of database. The datalogger adopts the database place and database the datalogger has a real-time weighing scales. The datalogger adopts the database place has undersooned to guarantee the legist stability. The databogger has also quarters for reduce the maintenance costs. The databogger has a variety of interface to guarantee the use of new VIM technologies. The databogger has several preaf features such as hijns stability, good software compatibility, good interface ordensality and two maintenance costs.

Product Parameters	Performance Parameters	
CPU	dual-CPU design (CortexA8 + CortexM4)	
Operating system	dual operating system design (Linux + uC/OS)	
Memory	A8: DDR3 (512M), M4: RAM (2M)	
Communication Interfaces	RJ45 network interface (2), USB interface (3),RS232 (4), RS422 (3), VGA interface (1) and CAN interface (2),	
Storage space	A8: NAND (256M) + SD card expansion; M4: SDRAM (512M)	
Control	keyboard + touch control	
Display	800 * 480 LCD touch screen	
Dimensions	344 * 210 * 198mm	
Weight	4Kg	
Color	silver gray + midnight black	
Operating temperature	-40°C - +80°C	
Rean time between fallure (MTBF)	≥ 20000h	



