



NUCTECH RID1000
ROBOT INSPECTION DOG
NUCTECH RID1000 多功能电子犬

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NUCTECH RID1000 ROBOT INSPECTION DOG



NUCTECH RID1000 Robot Inspection Dog is the state-of-the-art product integrating cutting-edge robot technology and AI technology. With the “eNOSE” technology that was first developed and exclusively owned by Nucotech, RID1000 is able to detect plants, animal products, explosives and narcotics in a quick and non-intrusive manner. In addition, the “eSENSE Temperature” technology enables RID1000 to quickly locate the low temperature illegal plants and animal products and biological products. The “eEYE” technology also allows NUCTECH RID1000 to detect suspicious objects by rapid and non-intrusive imaging. Besides all the above technologies, NUCTECH RID1000 also integrates “eSENSE Radioactive” technology, it is therefore a smart assistant to the inspection officers in their daily operation.

NUCTECH RID1000 型多功能电子犬是一种深度融合机器人技术和人工智能技术的高新查验装备。NUCTECH RID1000 型多功能电子犬采用同方威视世界首创、独家拥有的“电子鼻”技术，可以对出入境旅客携带的动植物及其制品、毒品、爆炸物进行非侵入式快速查验。此外，NUCTECH RID1000 型多功能电子犬还具有“低温检测”功能可对低温携带的动植物及生物制品进行快速辅助定位；采用“透视眼”技术对可疑客体进行非侵入式快速成像定位；同时集成有“核辐射探测”等多种复合查验手段，是口岸查验官员的智能助手。

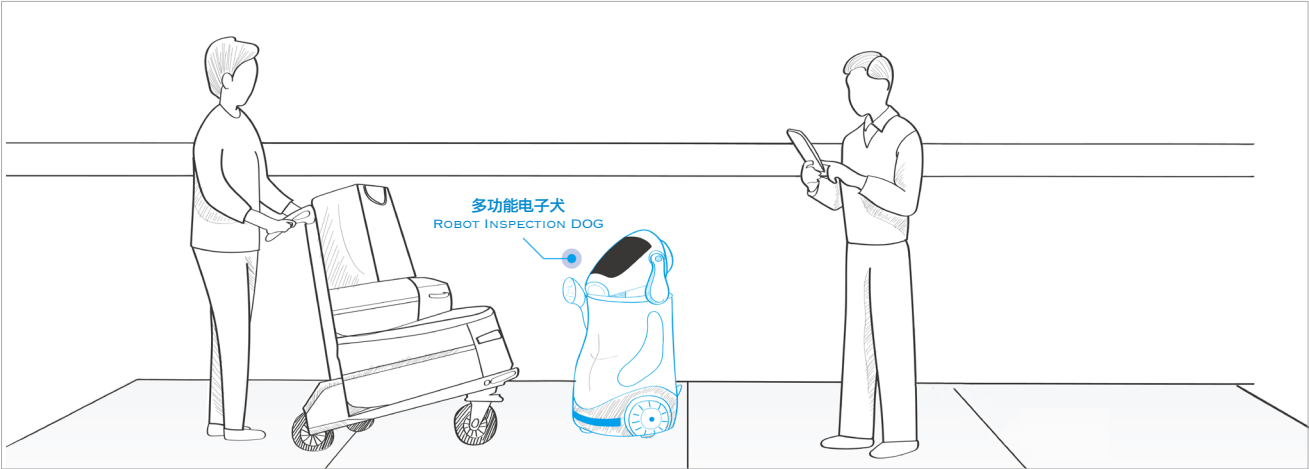
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技术参数 SPECIFICATIONS

机器人 Robot			
尺寸	Dimensions	约 600mm × 700mm × 1100mm	About 600mm×700mm×1100mm
重量	Weight	约 70Kg	About 70Kg
底盘	Chassis	轮式底盘	Wheeled Chassis
速度	Speed	0 ~ 0.5m/s	0 ~ 0.5m/s
导航	Navigation	激光雷达 SLAM	Laser Radar SLAM
工作环境	Operating Environment	室内	Indoor
地面要求	Floor Requirement	起伏 <5mm, 坡度 <5°	Bump<5mm,Gradient<5°
工作温度	Operating Temperature	0℃ -40℃	0℃ -40℃
工作湿度	Operating Humidity	0~90%，不结露。	0~90%，Noncondensing
续航时间	Battery Life	6h	6h
电池容量	Battery Capacity	24V,60Ah	24V,60Ah
充电电源	Power Supply	220VAC 50Hz	220VAC 50Hz

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技术参数 SPECIFICATIONS

电子鼻 eNOSE

可检测物质	植物，动植物制品，毒品，爆炸物		
Objects Detected	Plants, Animals Products, Explosives and Narcotics		
快筛检测时间	10s		
Rapid Analysis Time	10s		
细查检测时间	1min		
High Sensitive Analysis Time	1min		

电子眼 eEYE

标准扫描速度	Scan Speed	120mm/s	120mm/s
最大单次扫描时间	Maximum Single Scan Time	20s	20s
空间分辨率	Spatial Resolution	2.5mm	2.5mm

温度监测 eSENSE - Temperature

测温范围	Measurement Range	-20℃ -150℃	-20℃ -150℃
测温准确度	Measurement Accuracy	± 2℃	± 2℃

放射性监测 eSENSE - Radioactive

可探测范围	Monitoring Area	宽度 ≤ 1.5m，高 ≤ 2m	Width ≤ 1.5m，Height ≤ 2m
目标移动速度	Object Movement Speed	<1.2m/s	<1.2m/s





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多功能专业化 Multifunctional



电子鼻 eNOSE



电子眼 eEYE



放射性监测 eSENSE Radioactive



温度监测 eSENSE Temperature

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智能化 Intelligent



自主巡航、避障
Autonomous Navigation, Obstacle Avoidance



遥控行走
Remote Control Walking



语音播报 Pre-Recorded Broadcast Messages



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