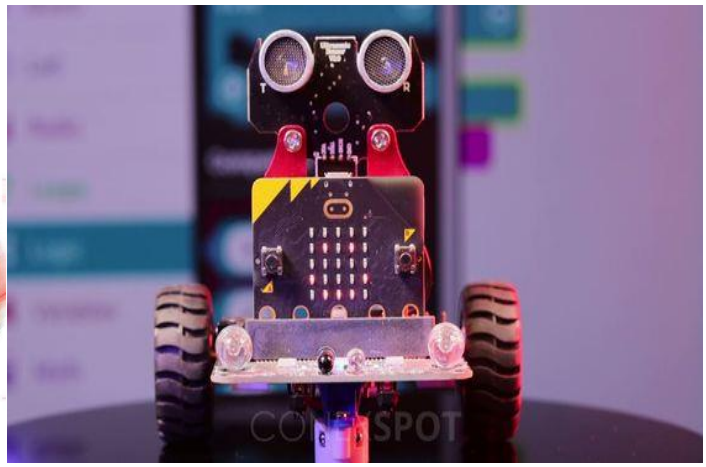
Integrated Robotic Car

A light sensor is an electronic component that detects and measures the intensity of light in its surroundings. Commonly used in various applications like automatic lighting systems, mobile devices, and robots, light sensors convert light levels into electrical signals, which can be processed by a system to trigger specific actions. There are different types of light sensors, such as photodiodes, photoresistors (LDR), and phototransistors, each with varying sensitivity and speed. These sensors are integral to devices like smart lighting, outdoor systems, and energy-saving technologies, enabling them to adapt to changing lighting conditions efficiently.



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