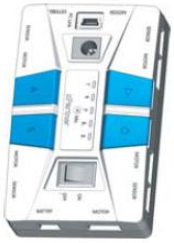
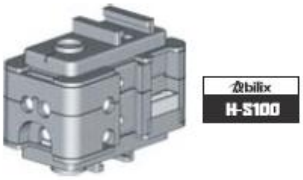
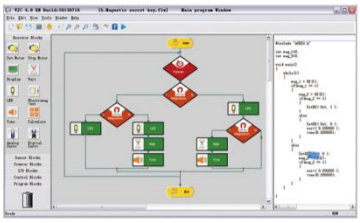
Physical and Technical Specification of H1-S

Detailed Properties:

	This kit contains 18 executable module, 1 gyroscope, infrared distance recognition, wireless remote control sensors. Improved connection manual, supports the Humanoid construction. With advanced flow-chart programming C-language VJC, students can easily re-construct complicated projects like crab, humanoid, scorpion etc. Users can choose the sensors personally to get a deeper understanding on the intelligent robots.
1. Components 	No screws construction parts, it includes controller, no less than 4 robotics steering motor (4 H-M24 motor), sensor (H-S100), power (charger/external power source), USB download line, user manner and VJC CD to support the robotics research. Support up to 28 teaching project.
2. Controller 	The master chip of controller is ARM Cortex M3/32 bit, 6 H-M24 motor port, 4 pin duplexing I/O extension port, serial downloading cable, status light and interactive operation button, 1 standard extension 485 port. Integrated three-axis gyroscope module monitors the action and accelerated speed of robots, standard Bluetooth module (integrating of reception and transmission).
3. Motor 	H-M24 motor, Maximum torque is 20kgf.cm, speed 70rpm, control accuracy is 0.29°. Robotics steering gear to connect multiple motors by series digital communications. It has multiple functions like temperature, location, speed, acceleration, torque and electricity etc., also the self-protection of overflowing and over-temperature, supports 360°limitless rotating, can be used as standard continuous current dynamo.

4. Remote Controller 	The core chip of remote controller is ARM Cortex M3/32 bit with standard Bluetooth module working with AAA buttery and manual operation system of power supply.
5. Sensor 	H-S100 highly integrated sensor module, 3 integrated ranging sensor module, 3 integrated light recognition sensor, 3 infrared distance signal transmission/reception along with buzzing (scale and time controllable), sound recognition.
6. Software 	Highly integrated graphic flow-chart programming, simplified C-language.
7. Service	Assembling guidelines, control code and construct course supported, basically are graphs with cable connection diagram.

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