



Fire Bird XI is reliable, versatile and rugged robot for the advance research in robotics. It's a fully programmable robot with onboard PC. You can also mount your laptop on top of it. Fire Bird XI is designed in collaboration with IIT Bombay and manufactured by NEX Robotics.

Fire Bird XI robot comes fully assembled and ready to use. It has high quality planetary gear motors with high resolution 3328 tick position encoder which gives accuracy in microns. Motors are driven by smart servo controllers. By selecting correct locomotion drive robot can be used in indoor and outdoor environment. Robot has 16 ultrasonic range sensors with range of 6 meters covering robot from all sides, 28 IR proximity sensors and 6 line sensors, 4 voltage, current and temperature sensors etc. Robot has on onboard computer and touch screen. Robot is powered by four hot swappable, high discharge, 11.1V, 6000mAH Lithium Polymer battery packs. Robot can carry payload up to 10 kgs and beyond depending on the locomotion drive configuration.

Research Areas

- Artificial Intelligence
- Multi-Agents System
- Autonomous navigation
- Mobile sensor network
- Collaborative robotics
- Real-Time systems
- Automotive technologies
- Mapping
- Teleoperation
- Localization
- Multi-robot cooperation and other behaviours
- Reconnaissance

- Vision
- Manipulation
- Autonomous navigation
- Monitoring
- Control systems

Note : For more information on this product contact us on info@nex-robotics.com or +91 9833553020

Fire Bird XI front side view



Fire Bird XI back side view

