

Item	Description
Nest Box	Nest Box made from exterior grade plywood, certified from mixed sources (product group from well-managed forests and recycled wood) in accordance with the rules of the Forest Stewardship Council (Enjoy Birds More Limited is certified under SA-COC-005535EK). Bird entrance hole 32mm in diameter, ventilation and drainage holes and concealed keyhole fixing hole. Fixed roof with removeable side panel held in by peg. Camera and electronics slide in for quick release.
Nest Box Electronics/Camera	Surface mount program controlled motherboard (Patent Pending No 0424839.9) containing: i) Short focus PAL colour video camera assembly, with 8.5mm CMOS sensor, 380 line resolution and high sensitivity to visible and infra red spectrum, microphone and audio receiver, ii) Three state (off/white/IR) lighting system (Patent Pending No 0424839.9) utilising light emitting and infra red emitting diodes to provide colour pictures during daylight and black and white images when dark, iii) Power reduction system (Patent Pending No 0424839.9) which performs a partial shutdown during periods of prolonged lack of movement in box, iv) Transmission system operating at (nominal) 10mW output level in 2.4GHz band with omnidirectional antenna. Set to 1 of 4 different frequency channels. v) 3 m (approx) 4 core control/power cable with plugs to connect to motherboard and battery box. Strain release system. Program functions including ambient light sensing, partial shutdown control, movement sensing, light levels switching adjustment, dynamic lighting control
Battery Box	Electronic Battery Box made from exterior grade plywood, certified from mixed sources (product group from well-managed forests and recycled wood) in accordance with the rules of the Forest Stewardship Council (Enjoy Birds More Limited is certified under SA-COC-005535EK), with translucent polypropylene roof, and carrying handle. Metal hinges and plastic fittings for roof. Strain release system. Electronic program controlled motherboard with switched mode power supply giving facilities for single use and rechargeable (either NiMH or NiCad) batteries. Charging circuitry and connectors for up to 2 solar panels and/or wind generators. 3 position (Standard / Off / Continuous) control switch. Battery holders for 8 D size batteries (batteries not supplied), arranged in 2 banks of 4 with reverse polarity protection. Socket for control/power cable to Nest Box. Connector for mains power supply.
Set of Batteries	8 x NiMH size D cells, rated at 10,000mAh, nominal voltage 1.2V
Battery Charger	Mains battery charger to take 4 x size D cells, with UK style mains plug
Solar Panel	5W rated Monocrystalline solar panel with max dimensions approx: 298mm x 236mm x 27mm, V_{oc} 21.6V; I_{sc} 340mA; with fixing kit consisting of 2 metal brackets or 4 reusable cable ties. Cable to Battery Box approx 2m long, with 2 way push on connector.
Video/Audio Receiver	PAL standard video and audio receiver operating in 2.4GHz band, switch selectable to 1 of 4 different frequency channels. 240V power supply with 1.2 m (approx) low voltage cable. Composite video and audio output to 2 x Phono (RCA) sockets.
Mains Power Supply	240V 50Hz mains power supply (interior use only) for battery replacement. 1.2 m (approx) low voltage cable suitable for exterior connection.
Video/Audio Cable	1.6 metre (approx) long cable with colour coded video and audio phono (RCA) plugs, suitable for connection between TV or VCR and Receiver.