

Product Data Sheet Advanced Wireless Camera Nest Box Product Code C1B2

Item	Description
Nest Box	Nest Box made from exterior grade plywood, certified from mixed sources in accordance with the rules of the Forest Stewardship Council® (The Nestbox Company Limited is certified under C007915). Bird entrance hole 32mm in diameter, ventilation and drainage holes and fixed roof with top part of side panel removable and held in by copper peg. Slots in front and back panels to support camera and electronics, mounting holes in back/base panels.
Electronics/Camera	Surface mount program controlled motherboard (UK Patent No 2420242) 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 (UK Patent No 2420242) 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 (UK Patent No 2420242) 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. 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 polypropylene with mounting bracket. 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 x D size batteries (batteries not supplied, except in solar version), arranged in 2 banks of 4 with reverse polarity protection. Socket for control/power cable to Nest Box. Connector for mains power supply.
Receiver	PAL standard video and audio receiver operating in 2.4GHz band, switch selectable to 1 of 4 different frequency channels. 240V power supply unit 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.
Solar Panel (solar version only)	Monocrystalline or Polycrystalline solar panel rated at 5W, approx 265 x 200 x 25mm with aluminium U-section frame and cable ties for mounting.
Rechargeable Batteries (solar version only)	8 x size D NiMH rechargeable batteries each with nominal voltage 1.2V, rated at at least 10,000mAh capacity.