



Industrial Television Limited

Excellence in Television Technology

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FIDO

Police dog wireless camera system

The pictures show the complete equipment, there are no other items for either dog or handler to carry during operation.



General description:

The FIDO equipment is designed to meet the requirements of dog intervention and search operations, normally associated with firearms units engaged in building search activity.

Previous systems were heavy and cumbersome, and FIDO addresses both shortcomings with a simpler more user-friendly design, which reduces the weight carried by the dog by over 75%. This enables the dog to negotiate steep downward slopes without danger of overbalancing and also considerably reduces fatigue.

The FIDO system has been developed in close association with South Yorkshire Police, whose collaboration and assistance is acknowledged. (The dog is called Max!).

This equipment is now in service with a number of Police Forces throughout the UK.

The system comprises a miniature television camera and radio transmitter mounted on a lightweight head harness. There is a quick-release facility, allowing the harness to be worn at all times the dog is operational if required whilst the camera is attached only when needed. Rechargeable batteries are contained in a collar, the attachment of the harness to the collar automatically making the required electrical connection.

To allow operation in darkness, infra-red lights are incorporated in the camera housing, and provide pictures in total darkness to a range of 3-5 metres from the dog.

An audio facility can be provided if required, allowing the handler to listen to any activity in the area of the dog.

Pictures are viewed on a combined video recorder/monitor/receiver unit carried by the handler. This unit is provided with a neck strap and waist belt to allow easy mobility whilst leaving the hands free.

The equipment is supplied with spare batteries for the camera and recorder units, each having a charger to allow rapid recharging. The depleted batteries that are removed from the equipment can be recharged more rapidly than they will run down in use, allowing continuous availability.

Optional 'Polecam'

As an aid to viewing the interior of lofts, cellars and similar difficult-to-access spaces, a small, self-contained camera unit complete with lights is mounted on a telescopic pole; the pictures are received on the same unit as the pictures from the dog camera. Officers can therefore examine these areas, (or look over walls and round corners) whilst remaining under cover.

Specification:

Camera: High-resolution monochrome unit (colour is an option, but is not suitable for use in dark conditions); 75 degree angle of view (others optional).

Battery life with standard battery pack: Approximately 2½ hours.

Weight: Total weight to be carried by dog is approximately 400g

Recorder/receiver: 8mm tape, digital recording, colour monitor with audio facility.

Battery life: Up to 8 hours

Range indoors will depend on local conditions and building structure; it is most unlikely that any domestic premises will be large enough to lose signal. The system has been tested in industrial premises and has provided excellent pictures through three floors and 100 metres of building. Outdoors range will be in excess of 500 metres.

An alternative version is available for users who already possess recording facilities, for example an existing camcorder or similar unit. This has a base station comprising a receiver/monitor unit only, with a video output for the external recording device.

Versions are available for both PAL/CCIR and NTSC/EIA television standards.

Due to our policy of continuous product development, specifications may change without notice.

All Industrial Television products are designed and built in England.