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Cyclop Video System

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TECHNICAL MEMORANDUM

Submitted by
Canadian Police Research Centre

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NOTE: Further information
about this report can be
obtained by calling the
CPRC information number
(613) 998-6343

SUMMARY

The Cyclop system is a personal video system which allows a police officer to register sounds and images from a briefcase which he carries in his patrol car. The system has a range of approximately 150 feet between the camera and the receiver in the briefcase. There presently exists two versions: black and white, and color.

The Canadian Police Research Centre proposes to evaluate this technology in 1994 through its Technology Platform Program. This offer to evaluate the Cyclop system is through the Technology Platform network that the CPRC has set up with several police forces in Canada. This project will be funded jointly by the police force who will carry out the evaluation and the CPRC.

Anyone interested in participating in these field trials may contact the following:

**John Arnold, Chief Scientist
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SOMMAIRE

Le système Cyclop est un système vidéo personnel qui permet à un agent de police d'enregistrer sons et images à partir d'une mallette qu'il transporte dans son auto-patrouille. Le système a une portée d'environ 150 pieds entre la caméra et l'appareil d'enregistrement. Il en existe deux versions : noir et blanc et couleur.

Le Centre canadien de recherches policières proposera aux corps policiers de faire l'évaluation de cette technologie en 1994, dans le cadre du programme de la Plate-forme technologique. Cette offre d'évaluation est faite par l'entremise du Réseau de la Plate-forme technologique que le CCRP est en train de constituer en collaboration avec les services de police du Canada. Elle sera financée conjointement par le corps policier qui fera l'évaluation de la technologie et par la GRC.

Quiconque est intéressé à participer à ces essais sur le terrain peut communiquer avec :

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CYCLOP PRODUCT DESCRIPTION AND SPECIFICATION SHEET

Product Description -

The "Cyclop *persona/ video system*" is an electronic self contained video camera that a police officer carries in his pocket (see Picture 1) assisting the officer in his duties. The picture and audio are transmitted and recorded in a brief case in the patrol car (see Picture 2) or in some cases the brief case can be carried or strategically placed in the area (up to 150 feet away). There are two versions a black and white version which easily fits in a shirt pocket (see picture 2) and a colour version which is slightly larger.

Technology Platform Cost -

The cost for the black and white unit is \$ 2,500 for the colour version \$ 5,000 . This one time cost gives the department the system at half the expected retail cost. This unit becomes the departments.

Specifications -

- . Carrying case

- . A 908 mhz video transmitter complete with external antennae

- The black & white camera with 240 lines resolution
Size - 1 1/4" x 3" x 6" high
Power requirements - 180 ma @ 9 volt.
Battery time - standard 9 volt alkaline is 1 hour

- The colour camera has 340 lines of resolution
Size - 1 3/4" x 5" x 7" high
Power requirements - 450 ma @ 12 volts
Battery time - sealed lead acid rechargeable 12 volt - 1 and 1/2 hours

- The receiver unit has a hi gain antennae.
Power requirements - 200 ma @ 12 volts

- Remote on/off switch - wireless

- Monitor & recorder

- Battery charging system

- Operations Manual

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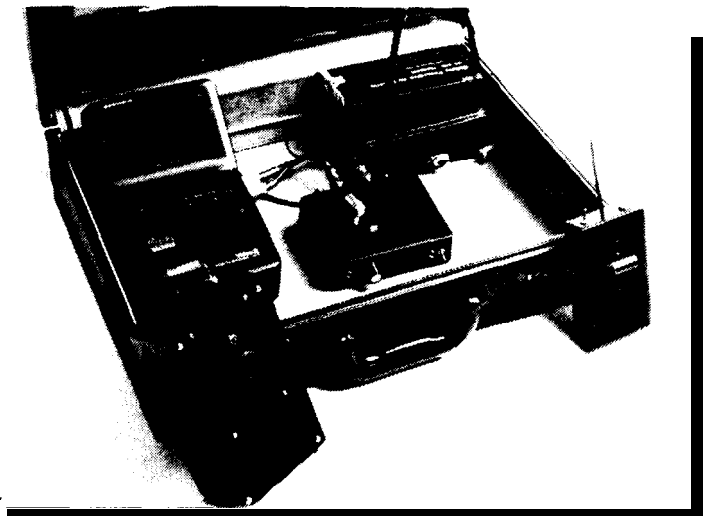
CYCLOP MANUAL CONTENTS

1. Parts description
2. Operating Instructions
3. Operating recommendations
4. Assembly
5. Trouble shooting/maintenance
6. Parts list.

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Picture 1 - CYCLOP black and white camera version in shirt pocket



Picture 2 - CYCLOP system in brief-case with the color camera left foreground and black and white camera right foreground