

TECHNICAL INSTRUCTION
F.4

*Auricon Cinevoice 16-mm
Motion-picture Camera*

AMENDMENT RECORD

<i>Amendment Sheet No.</i>	<i>Initials</i>	<i>Date</i>	<i>Amendment Sheet No.</i>	<i>Initials</i>	<i>Date</i>
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AURICON CM-72 CINEVOICE 16-mm MOTION-PICTURE CAMERA

SECTION 1

INTRODUCTION

The Auricon CM-72 Cinevoice camera as used within the BBC is a cine camera using 16-mm stock running at 25 frames per second, with a fixed exposure time of 1/50 sec approximately; it has also facilities for recording a combined magnetic sound track. The camera and associated equipment is light, and readily transportable. It uses 400-ft film magazines, and operates from a d.c. supply at 12 volts. The camera has a three-lens turret for standard C-mount lenses, and a parallax-corrected turret viewfinder is normally fitted. The finder is an integral part of the side door of the camera, but this door can be replaced by a plain door when a lens which has an integral viewfinder arrangement is used. The sound apparatus is battery-operated, and housed in a single box which has a shoulder strap so that the equipment can be operated at hip level.

The equipment is normally carried in two cases, one housing the camera and magazines, and the other the sound equipment and miscellaneous items. The items comprising a complete channel are listed in the Appendix.

The camera as at present used by the BBC has been extensively modified, and differs appreciably from the basic camera. Use is sometimes made of similar cameras obtained from other organisations, and these cameras may differ somewhat from those owned by the Corporation. A survey of the development of the successive modifications to the basic camera is given below, and this indicates the other versions of the camera which may be met.

The Cinevoice camera as manufactured is designed to operate with 100-ft daylight-loading spools which are housed within the body of the camera. The motor is designed for operation from 117-volt a.c. power supplies; 50-c/s and 60-c/s versions of the motor are fitted according to requirements. Additionally the motor may be of the constant-speed or synchronous type as required. Operation from batteries is obtained by means of a portable power supply unit (PS-14), four versions of which are available to suit inputs at 6 or 12 volts and provide outputs at 50 c/s or 60 c/s. The basic

version of the camera can be obtained for single-lens mounting or with a three-lens turret. The sound system may be combined optical variable-area, combined optical variable-density or com-

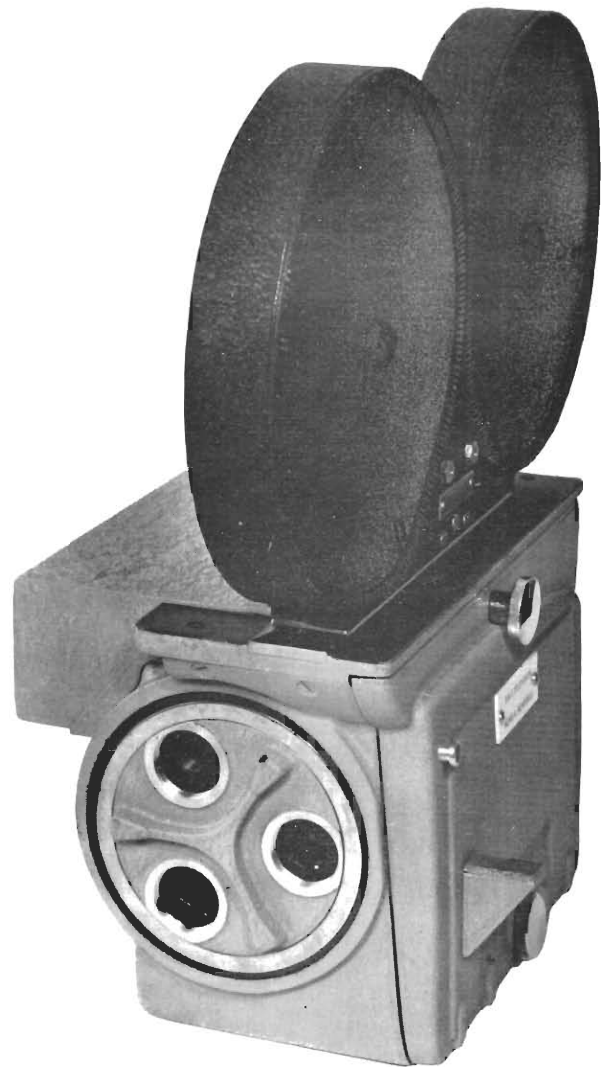


Fig. 1.1. Auricon Cinevoice Camera

