

RESTRICTED

CATALOG

★ ★ DESCRIPTION OF ★ ★
★ AIR FORCE CAMERAS ★
AND ACCESSORY EQUIPMENT

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AIRCRAFT CAMERA BREAKDOWN

Some Aircraft Camera description sheets in Section II are listed as for example: Body Assy., Camera Aircraft, Type K-3B.

In view of the several types of Magazines and Mounts and various focal length Cone Assemblies which are now available as accessory equipment for standard Aircraft Cameras, the following Aircraft Cameras are broken down into sub-assemblies to facilitate keeping of records and in order that the same basic camera may be used for several types of photography.

Type K-17	Type K-3B
Type K-17B	Type K-15
Type K-22	Type K-15A
Type K-24	

Each body assembly and the accessory equipment required is requisitioned separately. Carrying case assemblies formerly supplied with a complete camera, remain with and are issued for the storage and shipment of camera body assemblies. No accessory equipment is supplied unless it is specifically requisitioned. The following is a breakdown of each of the above cameras listing sub-assemblies required to make up a complete aircraft camera.

Camera, Aircraft, Type K-3B:

1 each, Body Assembly; 1 each, Cone Assembly;
1 each, Magazine Assembly; 1 each, Intervalometer;
1 set, Filter Unit; 1 each, Mount Assembly.

Camera, Aircraft, Type K-15:

1 each, Body Assembly; 1 each, Cone Assembly.

Camera, Aircraft, Type K-15A:

1 each, Body Assembly; 1 each, Cone Assembly; 1 set, Filter Unit.

Camera, Aircraft, Type K-17:

1 each, Body Assembly; 1 each, Cone Assembly; 1 each, Magazine Assembly; 1 each, Intervalometer;
1 set, Filter Unit; 1 each, Mount Assembly.

Camera, Aircraft, Type K-17B:

1 each, Body Assembly; 1 each, Cone Assembly; 1 each, Magazine Assembly; 1 each, Intervalometer;
1 set, Filter Unit; 1 each, Mount Assembly.

Camera, Aircraft, Type K-22:

1 each, Body Assembly; 1 each, Cone Assembly; 1 each, Magazine Assembly; 1 each, Intervalometer;
1 each, Mount Assembly.

Camera, Aircraft, Type K-24:

1 each, Body Assembly; 1 each, Cone Assembly; 1 each, Magazine Assembly; 1 each, Intervalometer;
1 each, Mount Assembly.

Note:

Excerpt from "Photographic Aerial Equipment, Class 10-A Stock List."

DAY RECONNAISSANCE

Day Reconnaissance photographic missions over enemy territory are for the purpose of securing information of the following nature, for military intelligence:

Troop and material concentrations and movements
— Fortified areas — Camouflage detection — Bomb damage assessment—Road reconnaissance, etc.

These may take the form of reconnaissance strips, small mosaics, stereoscopic pairs and oblique shots of objects or conditions which might prove valuable to ground and target intelligence officers. In the performance of all types of aircraft photographic reconnaissance it is the duty of the cameraman to record a maximum amount of factual data so that what is revealed in each photograph may be properly evaluated. This data must show time of exposure, altitude, location and compass bearing.

Day Reconnaissance missions were formerly accomplished by planes specially designed for the purpose. Today reconnaissance in combat areas demands the speed of combat aircraft, and camera installations are now made in such planes.

The following cameras are designated for Day Reconnaissance photography:

K-3B
K-7C
K-10
K-15
K-15A
K-17
K-18
K-20
K-22
K-24 (See Night Reconnaissance)
K-25
F-24 (British), (See Orientation)
F-52 (British), (See Chart: "Data on Aircraft Cameras and Installations.")

TYPE K-24

Body Assembly, Spec. No. 75-234

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PURPOSE: *Day and Night Orientation,
Bomb Spotting, Reconnaissance*
SOURCE: *Eastman Kodak Company*
STATUS: *Standard*
STOCK NO.: 8400-035175
COST: \$455.00*
T. O.: 10-10AB-1

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The Type K-24 Aircraft Camera is especially adaptable for day and night orientation photography but may also be used for bomb spotting, and reconnaissance missions.

The camera consists of four major units: Magazine, Gear Box, and shutter body and lens cone. It accommodates aerial roll film, Types 1A and 1B, in A, F, N, and K emulsions in any length up to 56 feet, and takes a picture 5 inches square.

There are no altitude limitations on the use of this camera as long as the photoflash bomb provides sufficient illumination on the subject during the period the shutters are open.

Complete camera cycle operations are governed by an intervalometer—Type B-3A, B-3B, or B-4, if exposures in regular time cycles other than three are desired. The high cycling speed of the K-24, permits its use with the B-24 intervalometer.

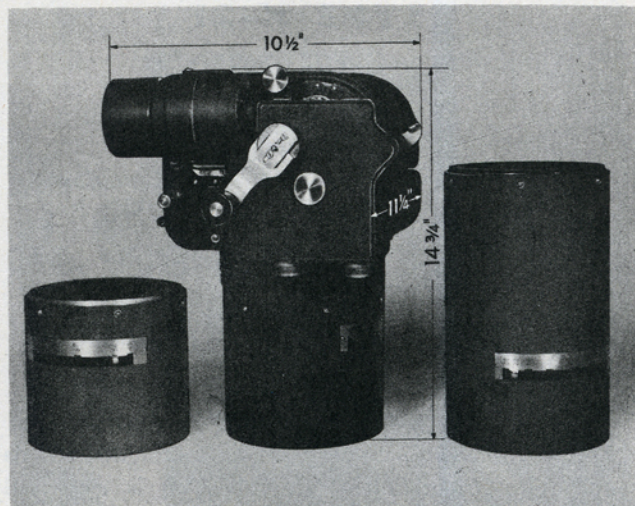
The K-24 is similar in some respects to the British F-24 Camera, both being quite versatile, with units of each interchangeable.

For Technical Orders in which authorized and Basis of Issue see following:

- T. O. 00-30-20 Bombardment Squadron
- T. O. 00-30-100 Flying School
- T. O. 00-30-101 Photographic Technical Training School

Accessory Equipment:

8400-163465 Cone Assy.,—7-in. Lens, Spec. No. 75-230



8400-162455 Cone Assy.,—6³/₈-in. Lens, Spec. No 75-240

8400-164510 Cone Assy.,—12-in. Lens, Spec. No. 75-230

Remarks:

1. Technical Data: See chart—"Data on Aircraft Cameras and Installations."
2. Reference: Night Aerial Photography, T. O. 10-1-10.
- *3. Cost includes cone and magazine.
4. Optics: "Optics Chart for Aircraft Cameras."
5. Filters: Chart—"Filter Data for Aircraft Cameras."

Quantity on Hand: 1609

Under Procurement: 6559

Delivery Schedule: Apr., 1943—300
May, 1943—514
June, 1943—514
July, 1943—514
Aug., 1943—514
Sept., 1943—514
Oct., 1943—329
Nov., 1943—114
Dec., 1943—821
Jan., 1944—1000
Feb., 1944—1000
Mar., 1944—425

Total on Hand and on Order: 8168