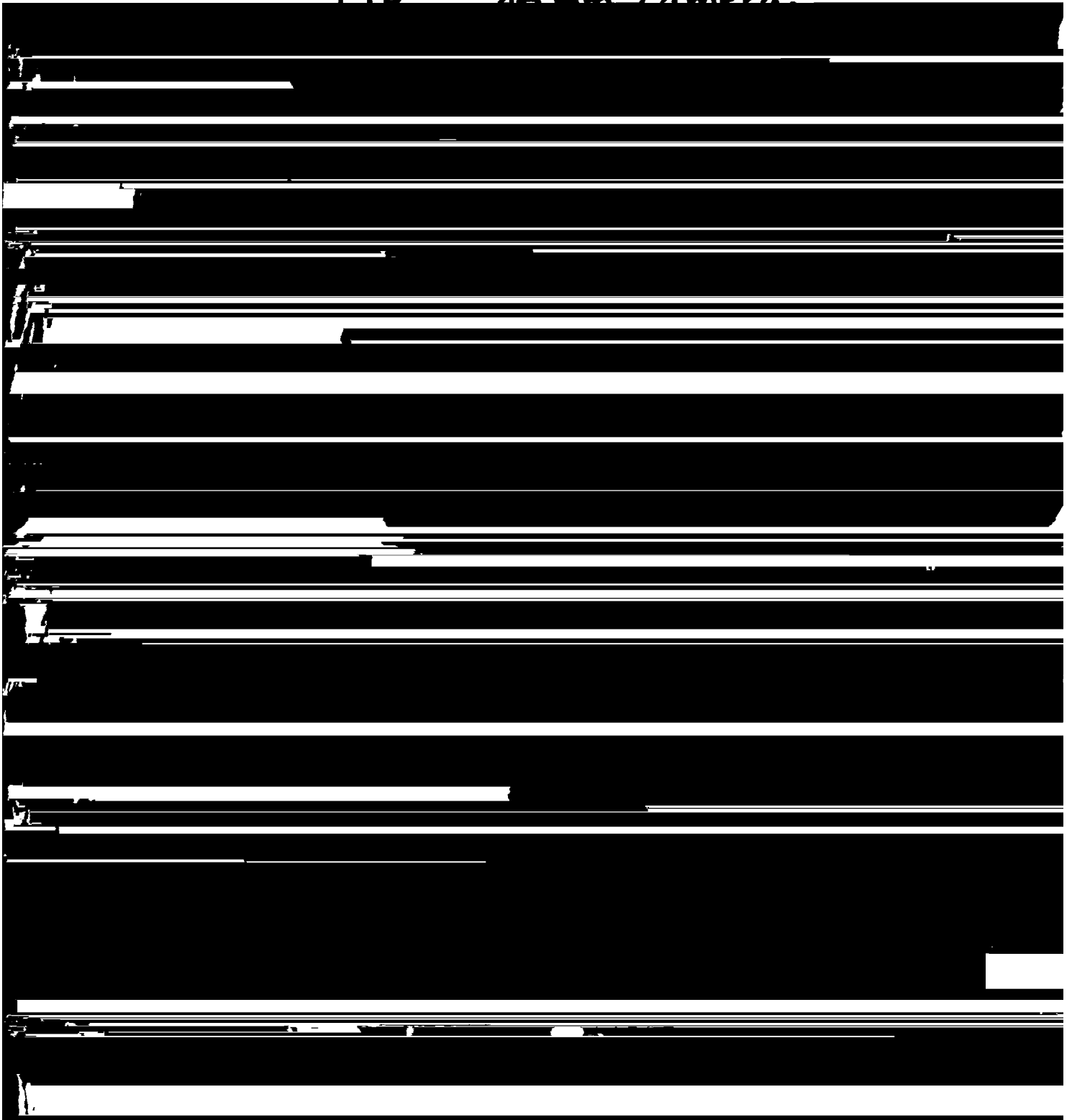


AATON CAMERAS

LTP 16 mm camera



The Lens

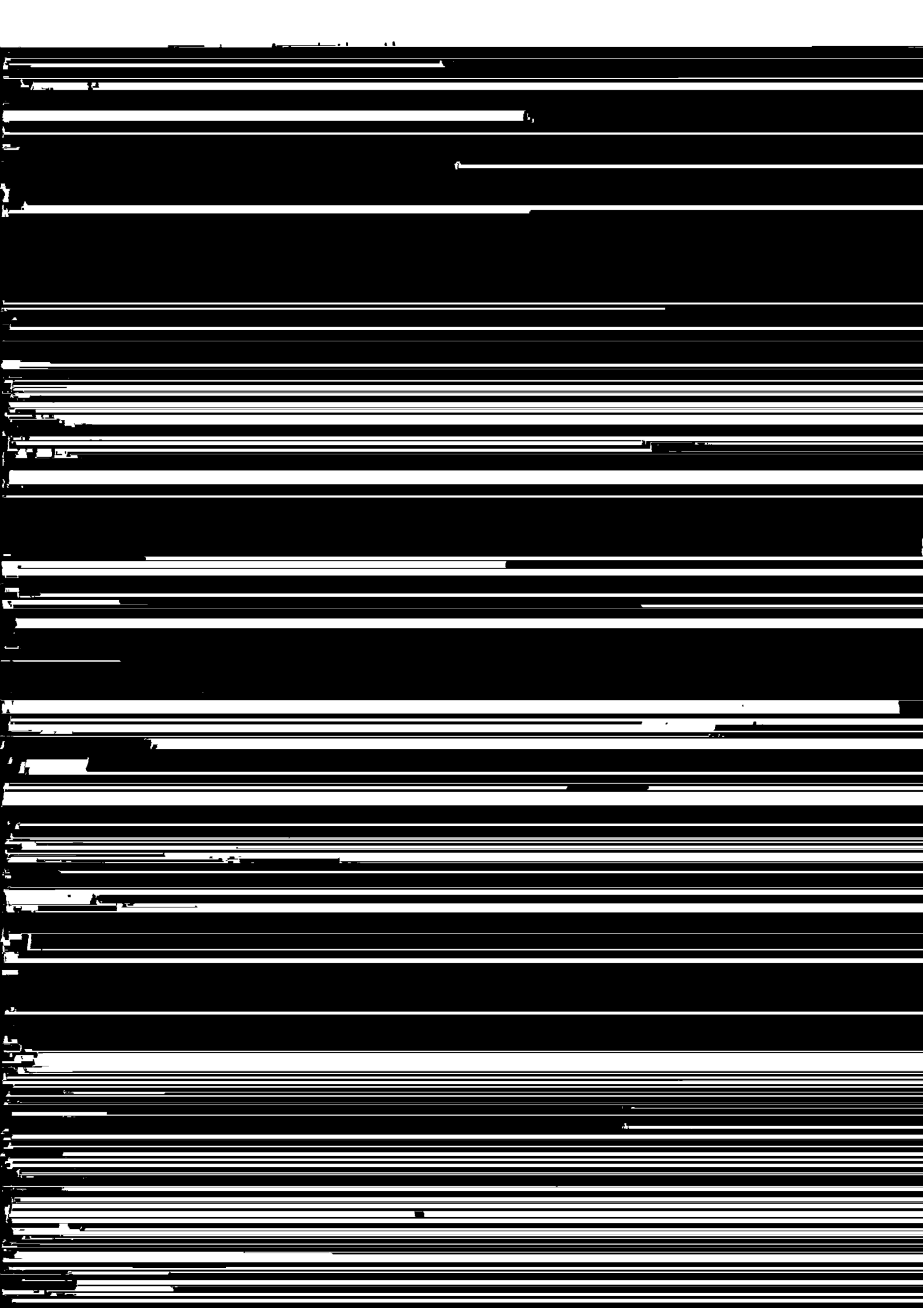
Adapting to Aäton

The lens holder of the Aäton camera is mounted directly onto the central chassis which carries the aperture plate. The flange focal distance of the Aäton is thus very stable and precise.

Matte box

The Aäton LTR can be equipped with a lightweight rigid matte box : it has two 3" x 3" filter holders and one rotating mount. It fits on long handgrip rod, and accepts fixed focus and zoom lenses with front lenses up to 77 mm in diameter.

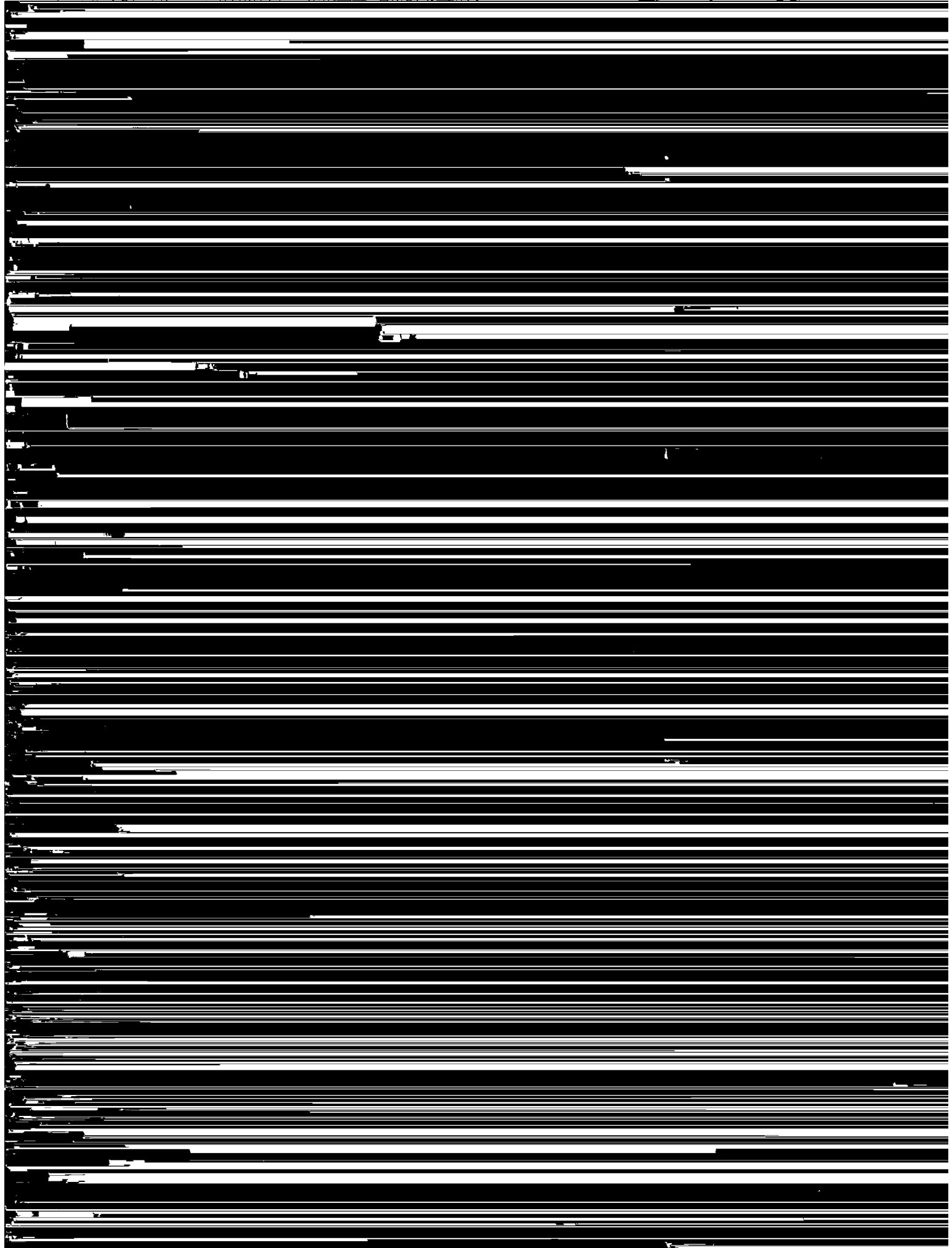




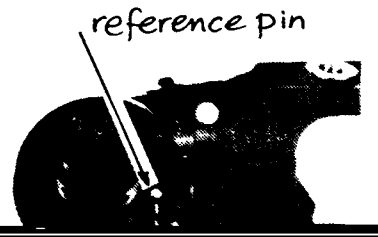


The interchangeable eyepiece for use on bayonet equipped viewfinders exists in three executions :
left eye, right eye, and 20 cm long for tripod

The dioptic setting is adjusted by turning the diopter ring on the viewfinder (see pic.) ; it can be set to + 5 diopter and is locked into

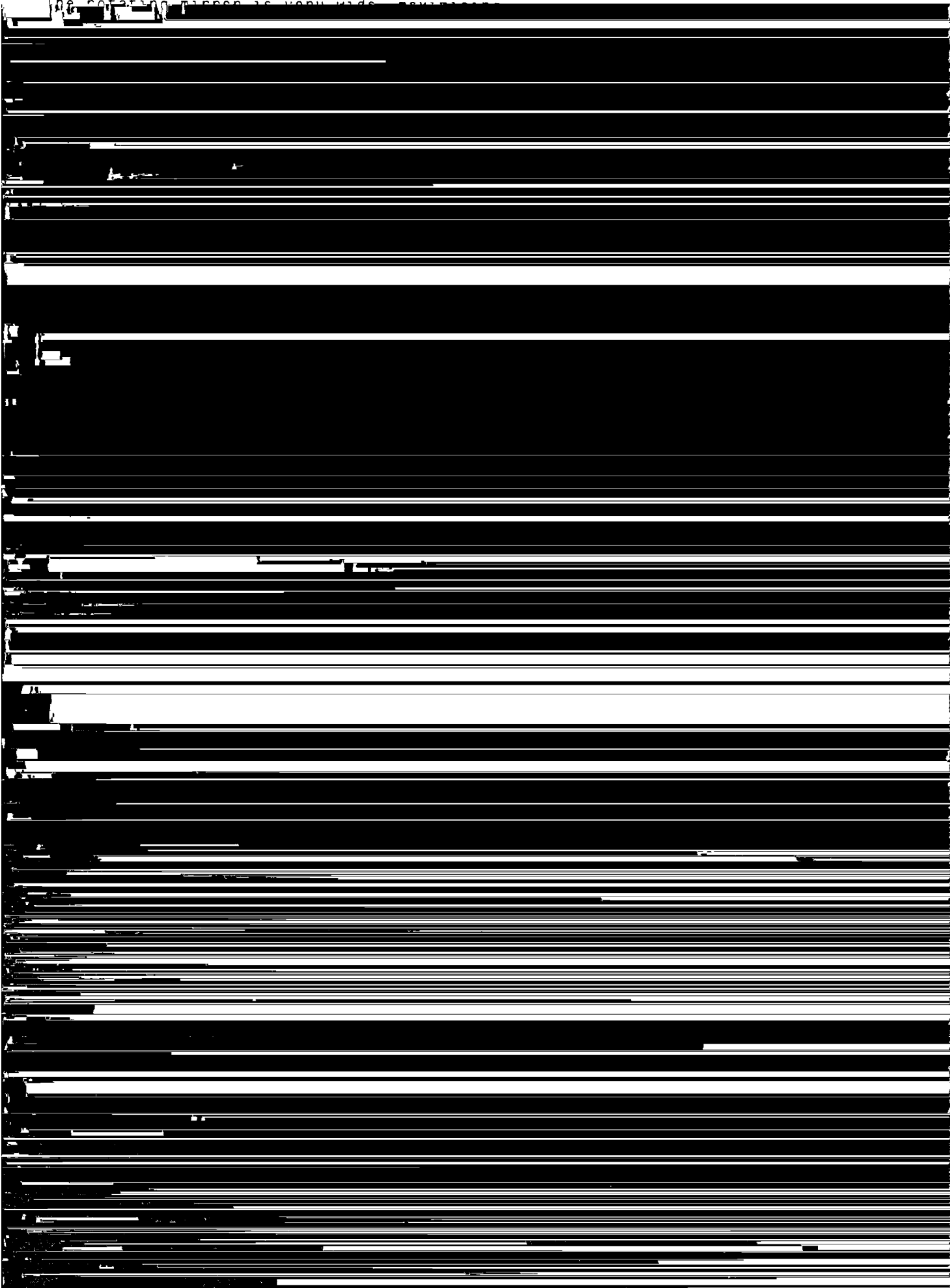


the eyepiece positioning pin is fitted into this reference position, the image will automatically fall into upright position. You will note that for the long eyepiece, this means attaching it to the viewfinder in just the opposite of normal tripod viewing position.



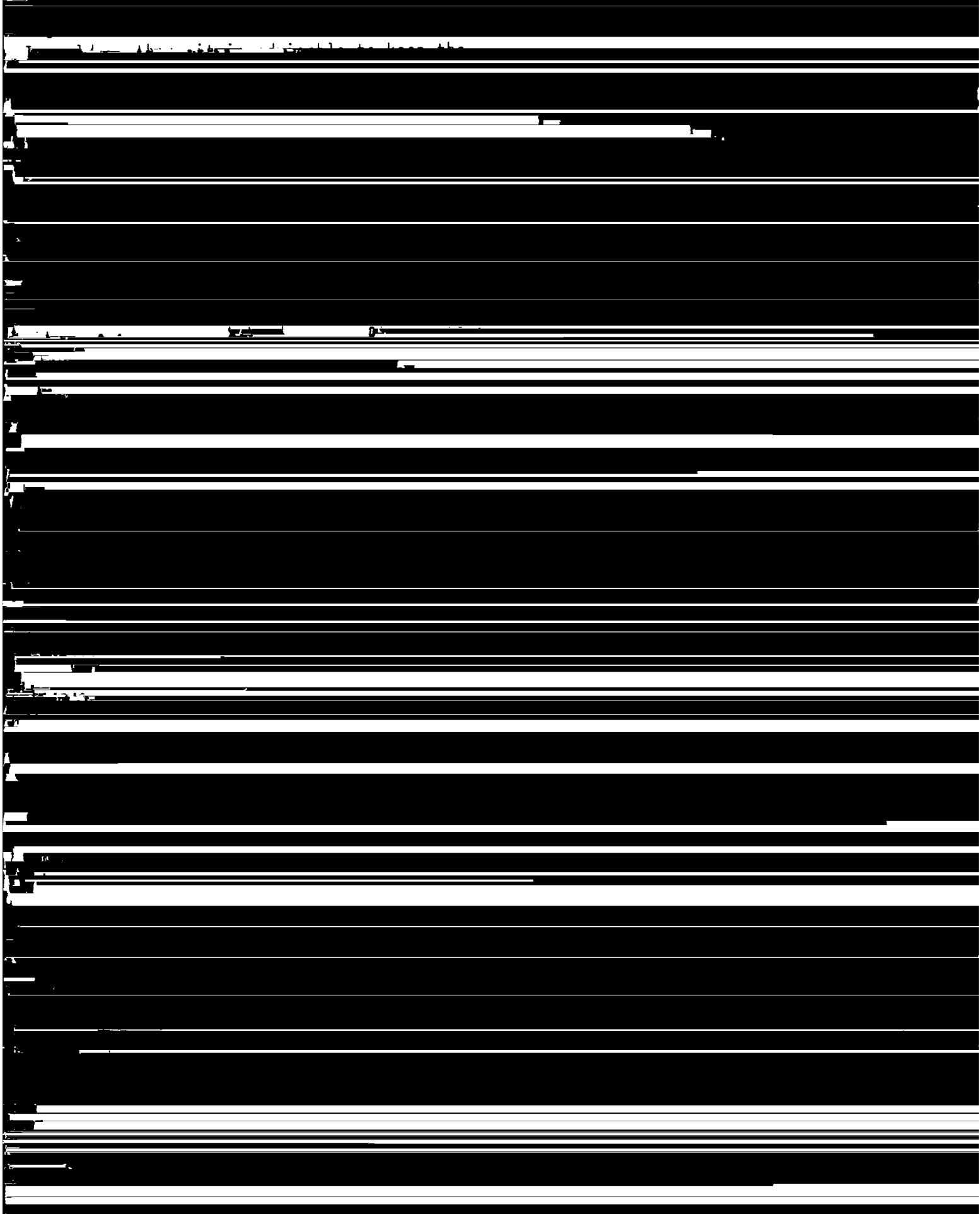
Mirror

The rotating mirror is very wide, revolving



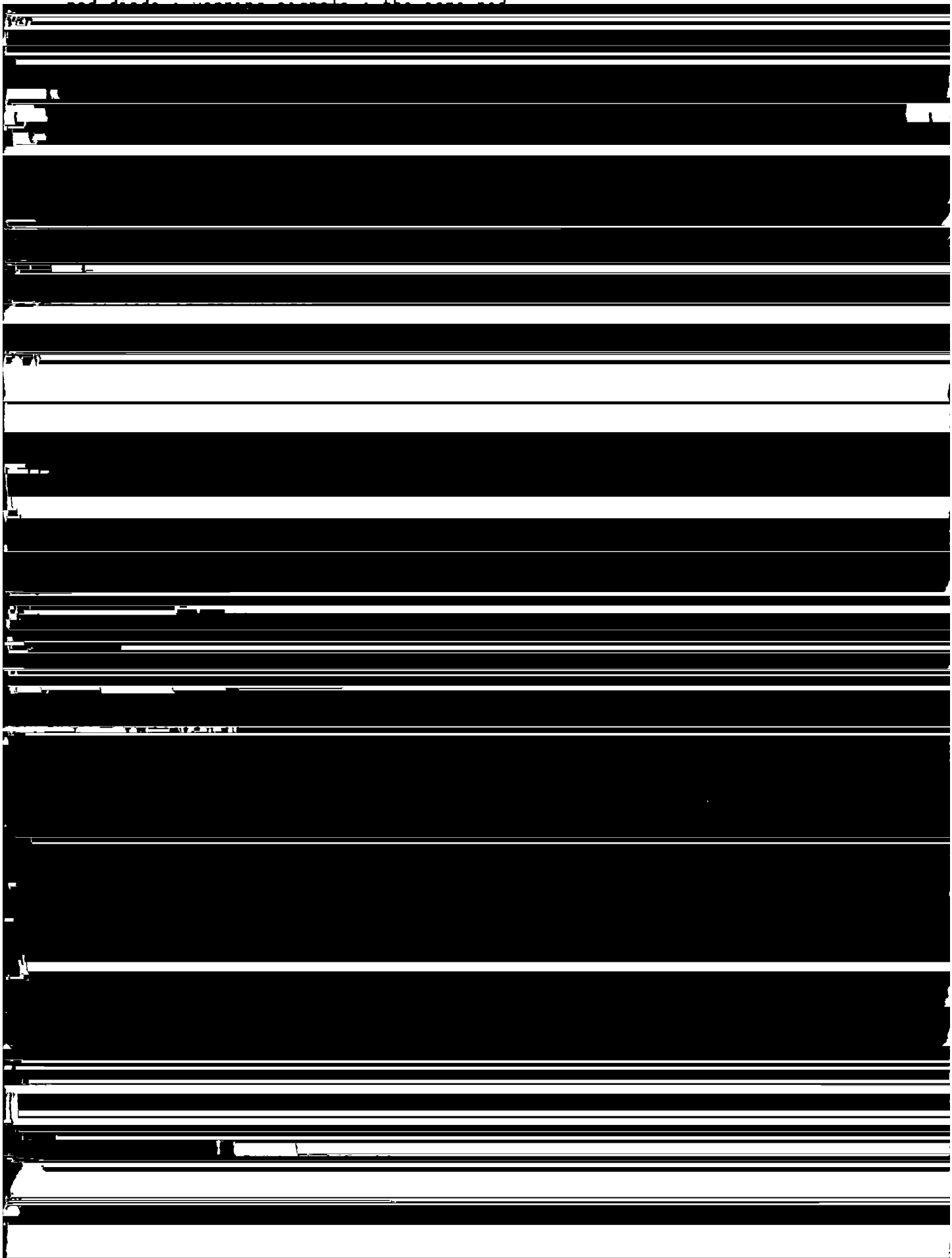
Batteries

The small clip-on Aäton battery (12 V 1.4 Ah, selected cells) drives an average of 5 magazines in normal weather conditions.



PBX battery/video holder

The PBX universal battery/video holder contains
from the top downwards :

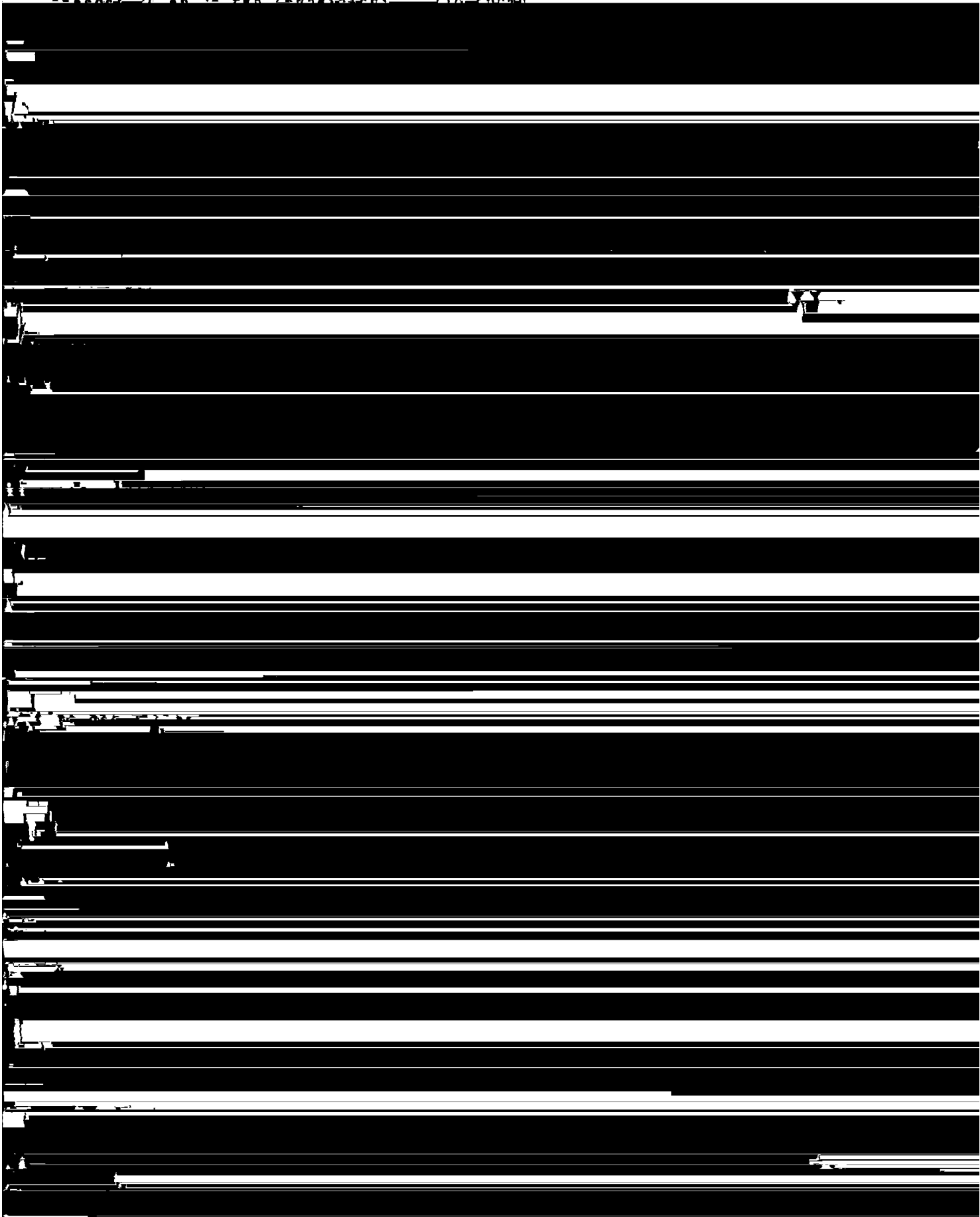


There are two diodes on the PBX :

red : warning signal : the emergency light

Crystal speed

To avoid unfortunate mishaps, it is advisable to check the camera speed before using a camera for the first time. As well as the variable speeds (see below), the camera has two crystal speeds: 2/ or 25 fpa (precision) + 1/4 fpa



- out: the camera is running at the set crystal speed.
- slow flicker (1/2 Hz): the battery is low

Red warning LED function:

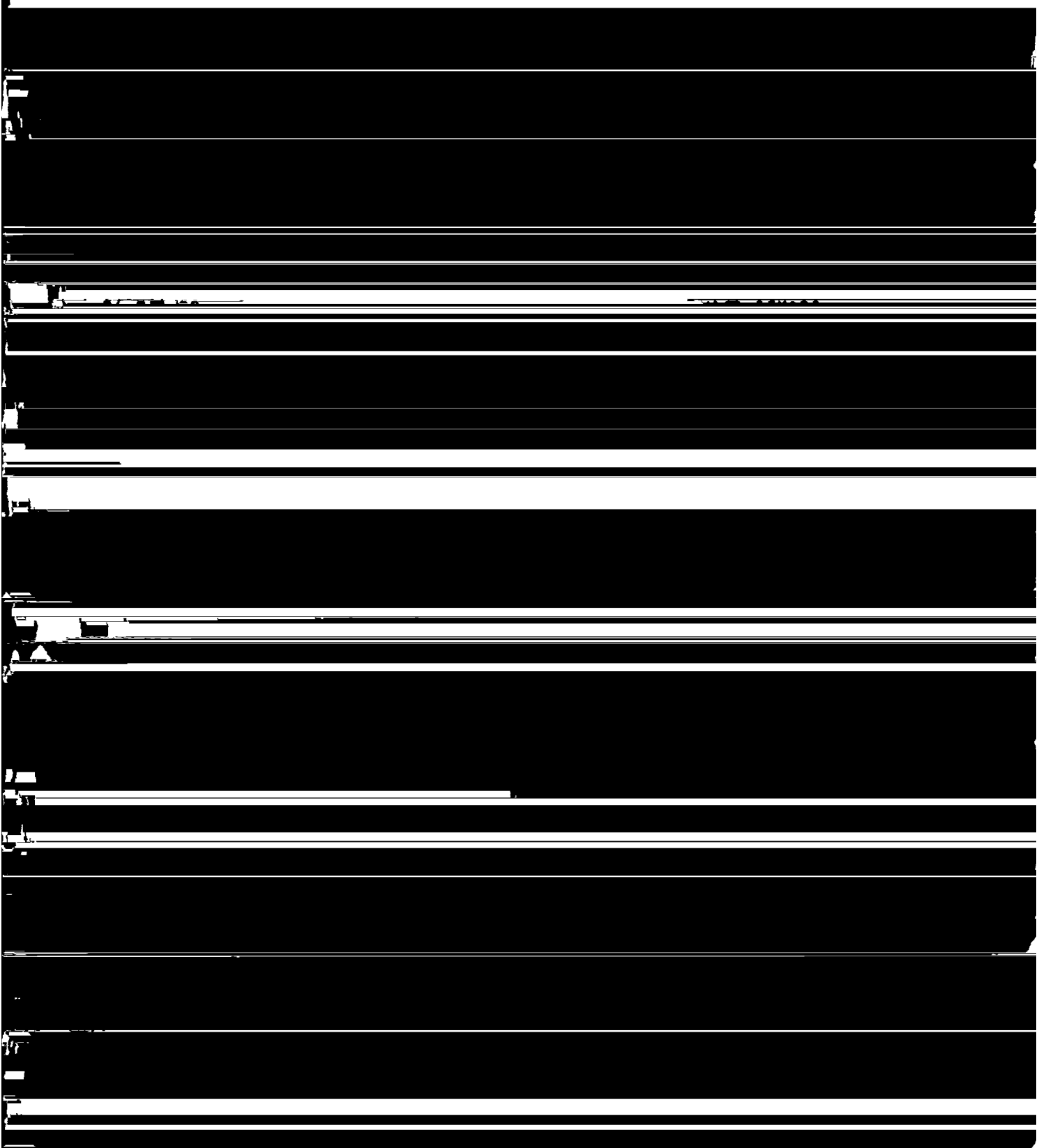
| slow flicker (1/2 Hz) | fast flicker (2 Hz)



Magazine

The coaxial magazine takes 120 m (400 ft)
double or mono perforation 16 mm
stock on 50 mm cores.

Before putting a magazine on the camera it is



Thread 10 cm of film into the left/right passage, and ensure that the film passes outside the idler roller.

Lock the lid, making sure the film is not caught in so doing.

Unblock the footage counter by turning it clockwise.

The indications correspond to film on a 50 mm core.

For 30 m. daylight reels:

- To remove the core holder, loosen screw 02.613.02 with knurled screw in place near left/right passage; use knurled screw to hold bobbin on spindle.

Lift the core holder; place the 30 m. reel on spindle.

When re-installing the core holder, tighten screw 02.613.02 with the knurled screw ; check that the head of the small screw (02.613.02) does not protrude.

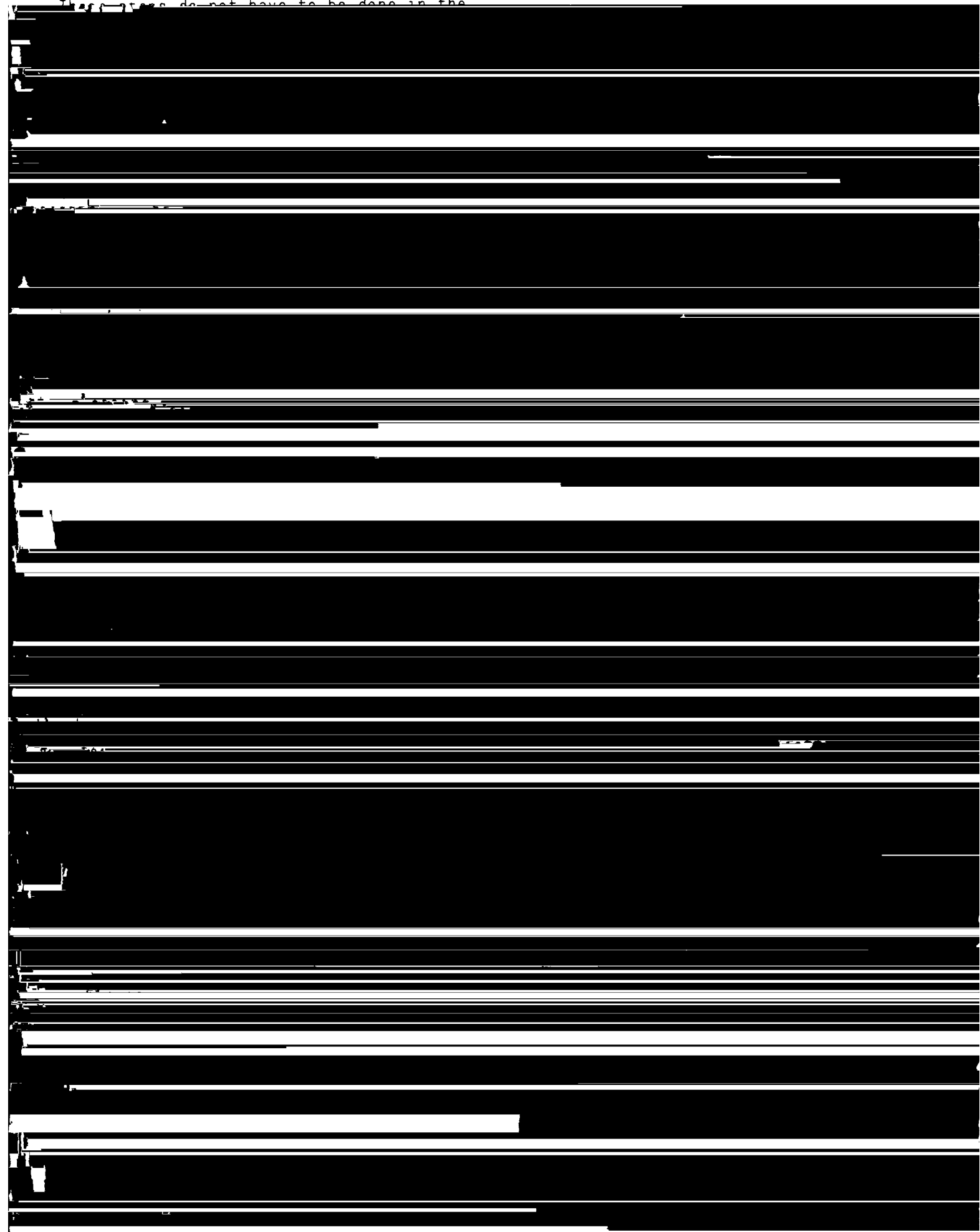
~~The knurled screw can then be put back into~~



Take-up

Threading the take-up compartment

These steps do not have to be done in the





Hold the camera with left hand, push the
magazine lock lever

Holding the magazine with the right hand pull

A luminous micro-diode display well above the frame-line in the viewfinder leaves a large visible zone outside the frame. The reading is shown by a single darkened diode moving over

1. With the 'reference' exposuremeter, measure the incident light; note the suggested T stop.
2. Set the camera lens to the T stop indicated by the reference exposuremeter.

sensitivity potentiometer

Option T: Clear Time Recording

For Clear Time Recording on 16 mm film; the Aäton LTR is equipped with Option T. This is the actual marking system inside the camera itself: microprocessor circuitry, and fiber

edge of the film each second as it moves over the gate.

An initializer is used to set camera and sound recorder to local or conventional time. This is small hand calculator sized device called Orign C.

A small microprocessor circuit is installed on the sound recorder ; it provides SMPTE time information which is recorded directly onto

which bleeds off 50% of the light going from the viewing screen to the viewfinder, towards a relay lens and mirror providing an aerial image of the viewing screen at the rear of the central chassis.



If using a VR30 camera for the first time on a

given PBX, it is advisable to check the focus beforehand.

During the following steps, it may be helpful to push the "contour" potentiometer on the control unit to its maximum power; this enhances apparent sharpness thus making it easier to find the best focus adjustment at the

- Turn the power on and wait five minutes or

running at 24 fps, if monitoring only, select
40 Hz 525 lines ensuring minimum flicker and

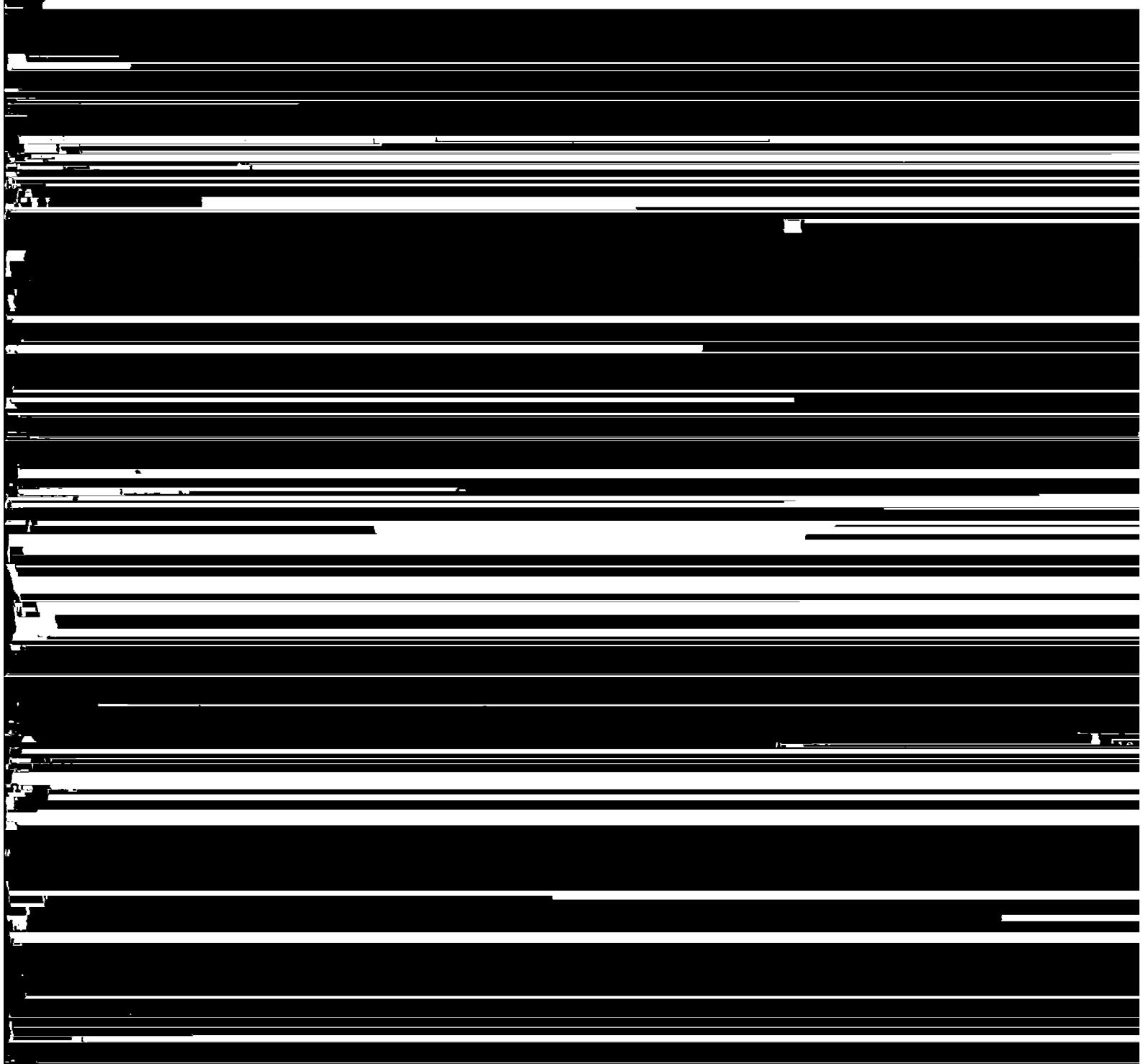
optimal resolution on a professional monitor.
If recording, choose 60 Hz 525 lines, which is
the VTR standard in these countries.

Other settings

Cleaning

Lens holder

It is of utmost importance, particularly when using wide angle and super speed zooms, to keep the front surface of the lens holder completely clean as a build-up here can adversely affect

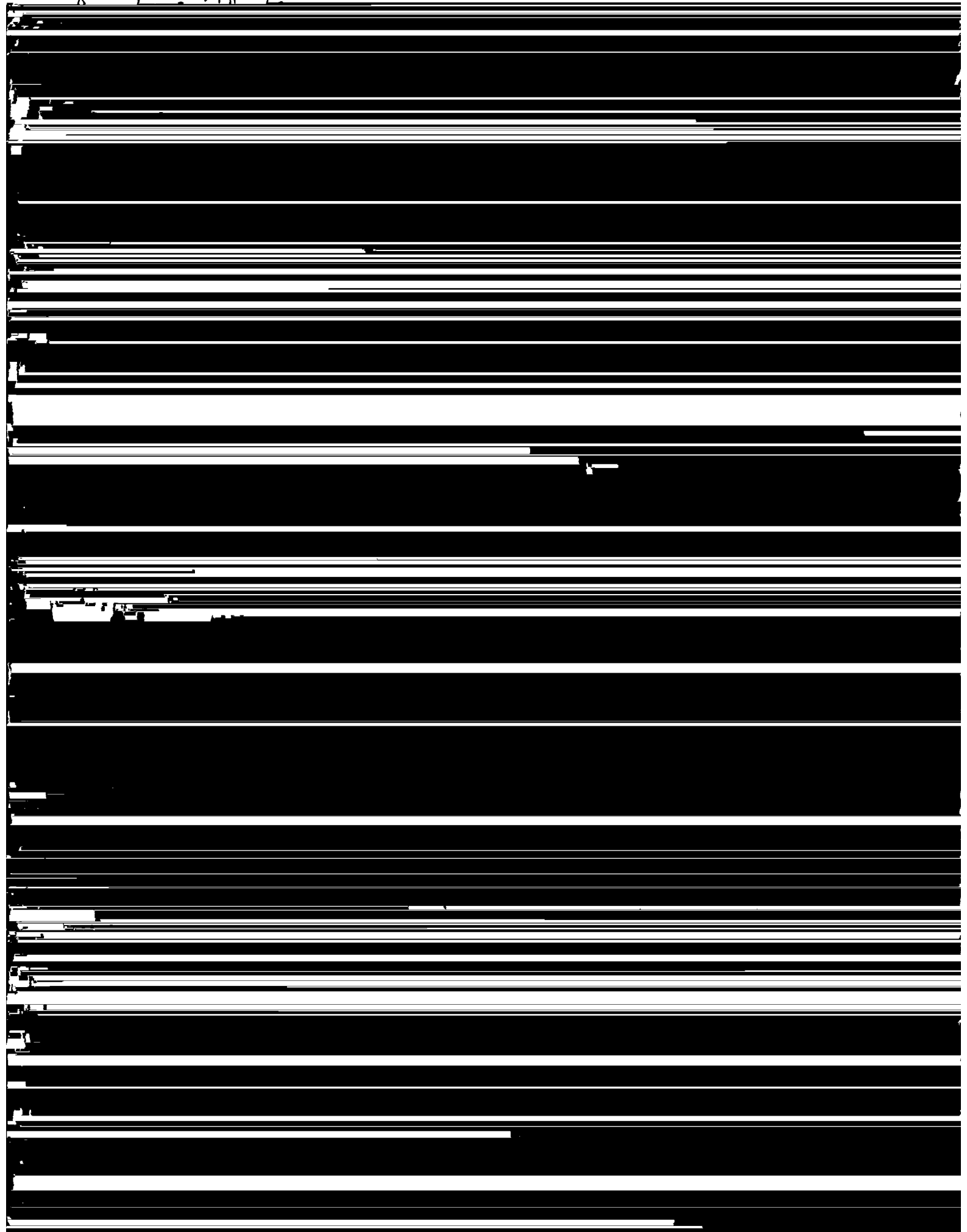


itself must be regularly inspected and cleaned.

Viewfinder

The eyepiece glass should of course be cleaned on a regular basis; the whole eyepiece shutter and rubber must be removed from this if desired. A good quality lens cleaning fluid can be used

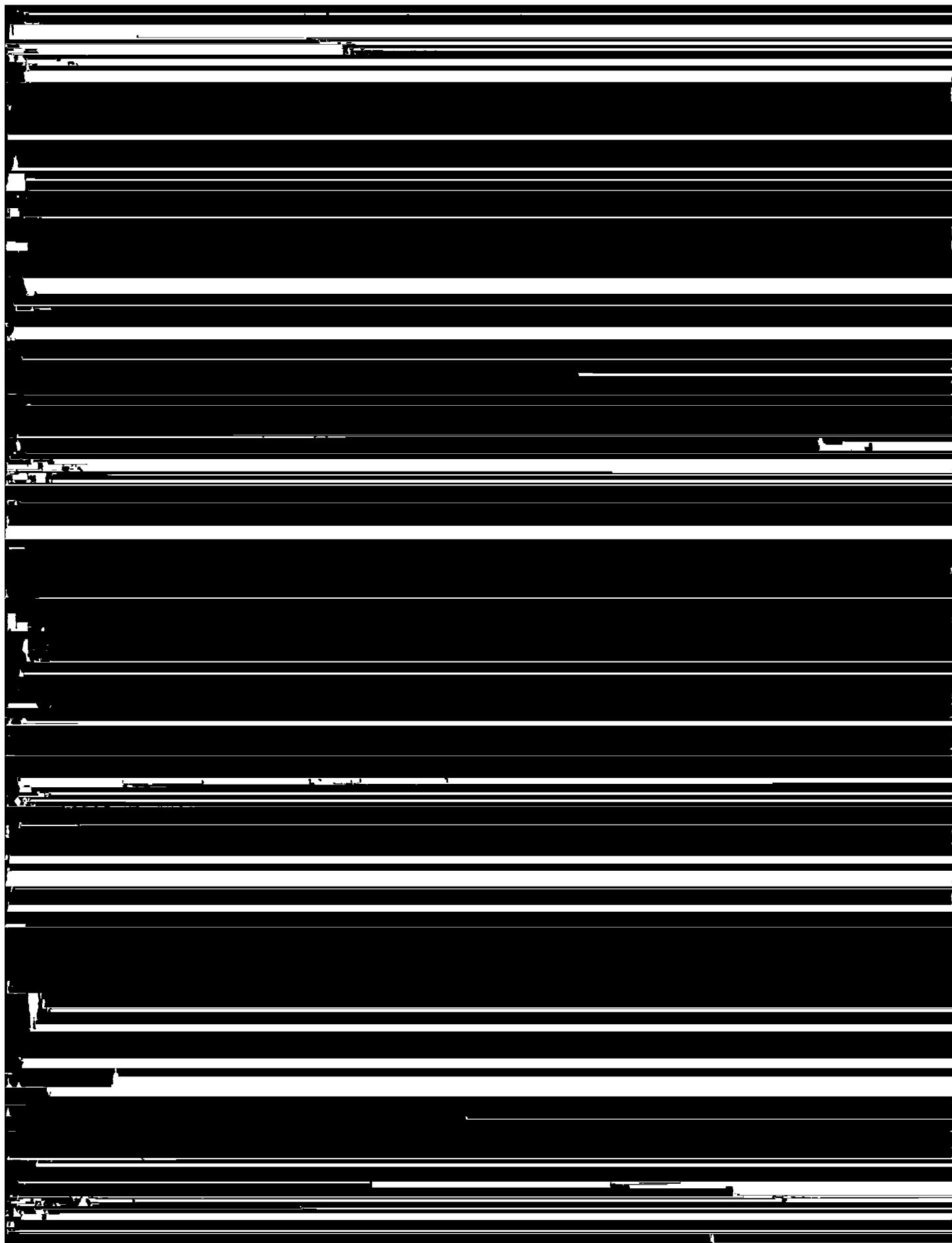
A. L. D. L.



Cold Weather Tips

(From Rune Ericson, based on his experience in filming in Greenland)

The Aaton on-board battery should be used in



Transport

ALWAYS, ALWAYS, ALWAYS, ALWAYS, always remove the lens from the camera body during transport. Recently, an expert in endurance and vibration testing for bridges, freighters, etc... was asked to estimate the force that would be exerted on a lens mount if the camera, packed in its ruggedized metallic case with foam rubber inner padding, was dropped from about half a meter above. Said

General remarks on the various types of battery chargers on the market today.

1. Rapid charge. Fifteen minutes, half an hour, an hour, depending on the electronic

circuitry. The charge current is variable ()