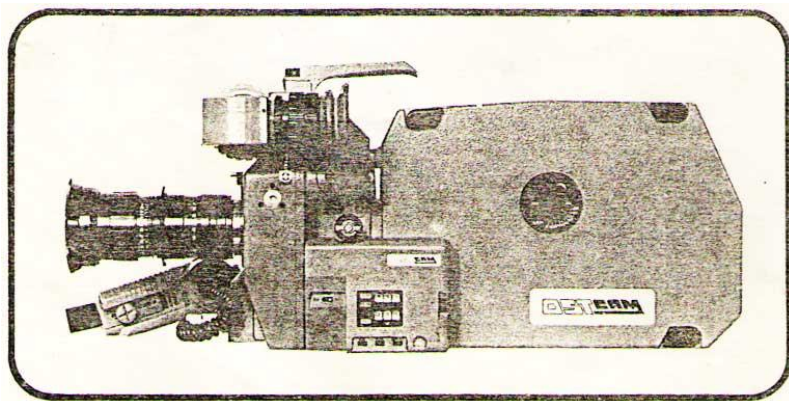


OstCam 35K

35mm handheld movie camera

Brief manual



Specifications

Film width 35 mm

Shooting speed:

Sync 24, 25, 30 fps

Variable 1 to 50 fps

Image stability not more than 0.015 mm

Operation temperature range -30°C to +40°C

Weight (without lens and film) not more than 5.5 kg

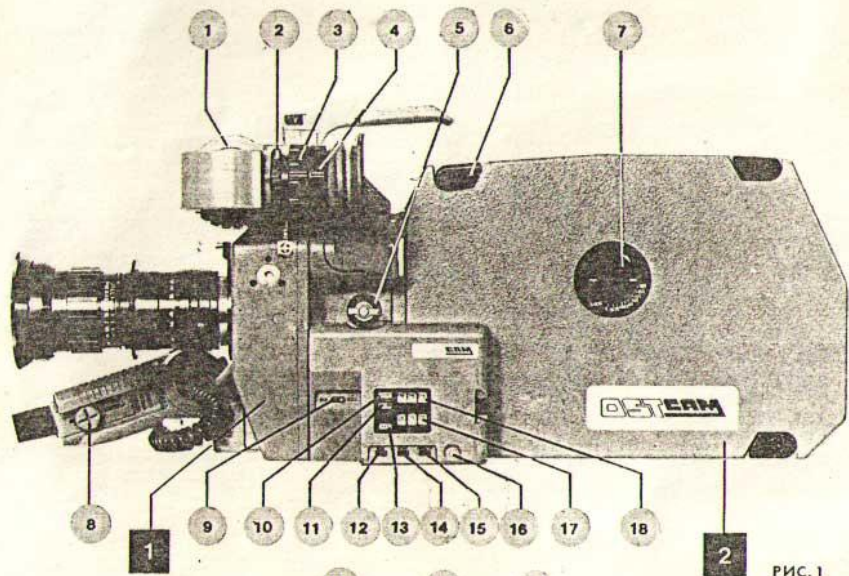


РИС. 1

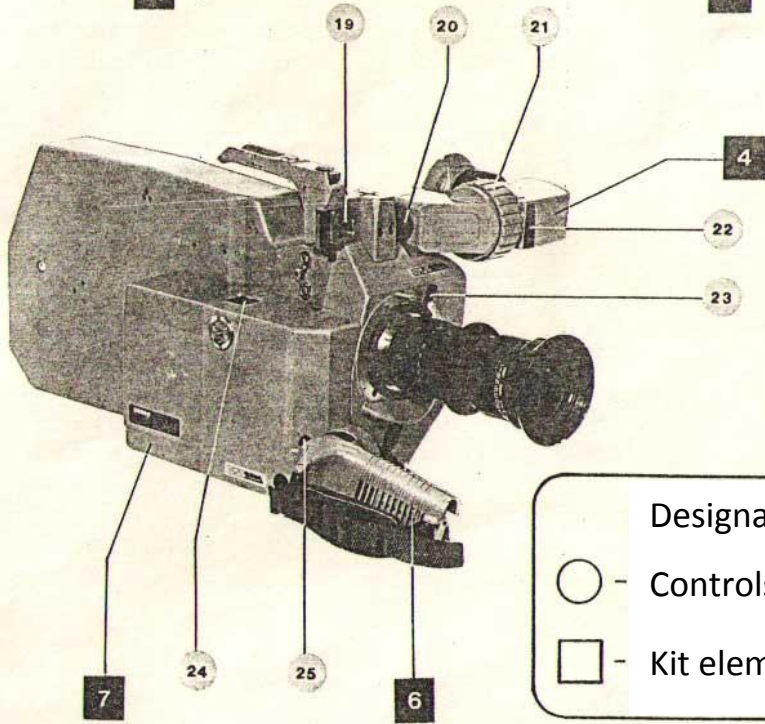
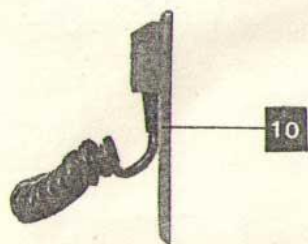
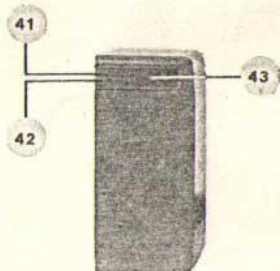
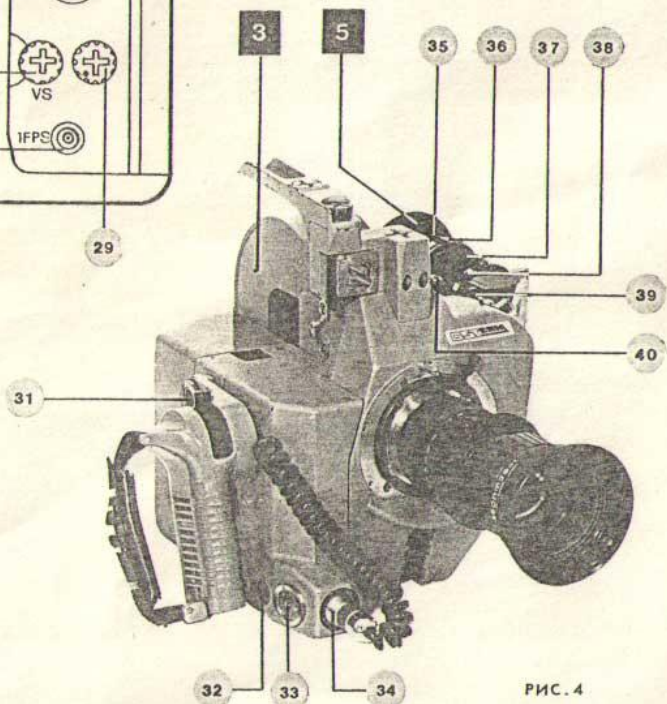
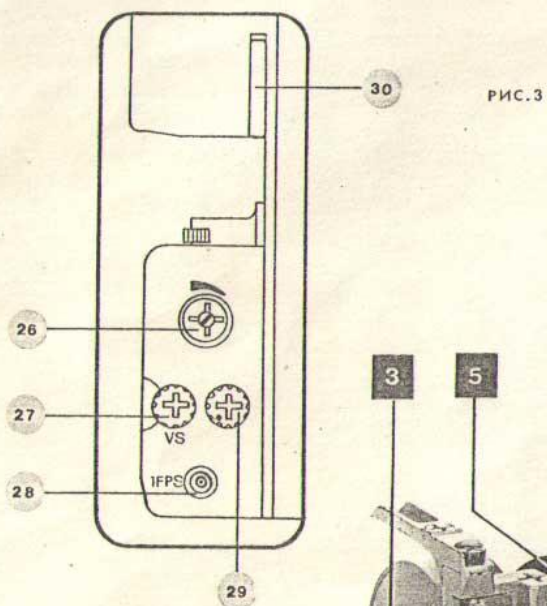


РИС. 2



[1] THE CAMERA

Pic 1

- (5) - mag lock
- (9) - camera run switch
- (10) - non-sync run indicator
- (11) - external sync source indicator
- (12) - sound alarm switch of non-sync run
- (13) - indicator of power and run
- (14) - switch of fps and film counter indicator
- (15) - switch of start mark
- (16) - reset button for film counter
- (17) - film counter indicator
- (18) - fps indicator

Pic 2

- (19) - accessory mount (identical to Arri BL camera)
- (23) - lens mount
- (24) - battery lock

Pic 3

- (26) - manual turn knob
- (27) - variable speed adjustment
- (28) - slow run button
- (29) - mode switch
- (30) - viewfinder lock

[2] 150M MAG

[3] 60M MAG

[4] ORIENTABLE VIEWFINDER

[5] PIVOTABLE VIEWFINDER

Pic 4

- (35) - ring of the eyepiece shades
- (36) - dioptic adjustment ring lock
- (37) - dioptic adjustment ring
- (38) - mask turn ring
- (39) - viewfinder eyepiece part lock
- (40) - viewfinder position lock

[6] START HANDLE

Pic 2

- (8) - stopper shift screw
- (25) - start button
- (31) - start handle set screw

[7] BATTERY

Pics 2 & 5

- (41) and (42) - indicators of the battery discharge level
- (43) - battery switch

[8] CHARGER WITH CABLE

[9] CHARGER ADAPTER

[10] POWER CABLE

Pic 6

[11] CAMERA BOX

ATTENTION!

Don't leave the camera at sunlight for a long time.

Allowed power is 11 to 30 V DC.

Wrong voltage or polarity may break the camera.

Keep the film channel clean. Don't use hard items for cleaning since they may damage chrome layer.

Clean optical parts with soft napkin moisture in spirit a bit.

I. POWERING

Mounting battery on the camera

- Press the button (24)
- Attach the battery [7] to the camera
- Release the button (24)

Connecting battery via connector

- Press the button (24)
- Attach the connector [10] to the camera
- Release the button (24)
- Connect the connector plug with the battery socket

Make sure that the start button (25) and run switch (9) are turned OFF before you connect the battery. If these switches are ON, you'll hear warning sound.

If the camera should work at cold or at high speed, it is recommended to use 24 V power source. For example, you may use two 12 V batteries connected in series.

Charging

- Connect the adapter [9] to the battery
- Connect the charger cable to the adapter
- Charge the battery as described in the charger manual

II. SETING THE OPERATION MODE

Setting a sync speed

Set the switch (29) to position “24”, “25” or “30” as necessary.

When sync speed is set, indicator (18) readings may differ a bit from actual speed.

Setting variable speed

- Power up the camera

(Indicator (13) will light on after that)

- Switch the speed indicator (18) by means of the switch (14)
- Set the switch (29) to “VS” position
- Turn the knob (27) to set necessary speed

Using external sync signal

- Set the switch (29) to position “24”, “25” or “30” as necessary
- Connect the external sync signal source to the socket (32)

Indicator (11) lights ON when external sync signal is used.

III. DETACHING A MAG

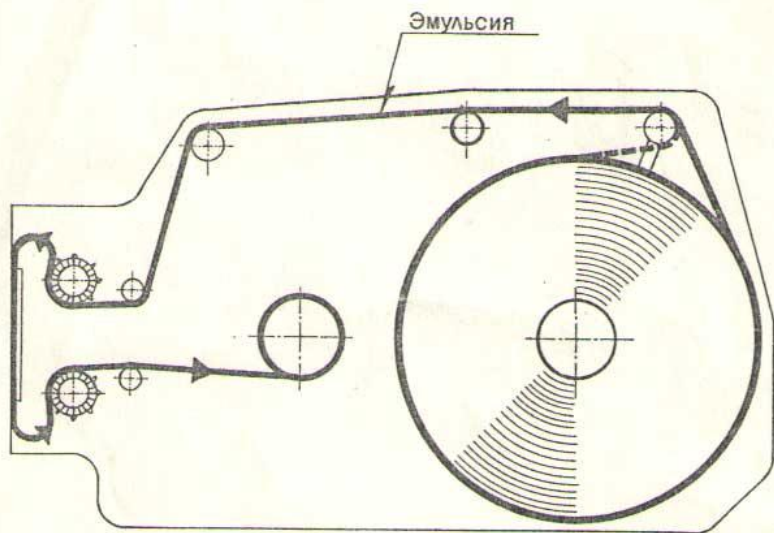
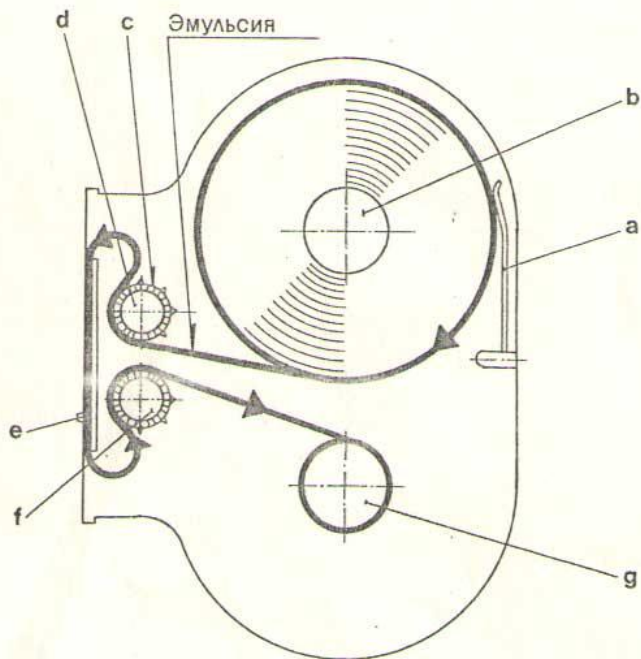
- Pull the mag lock (5), turn it 90 degrees to any direction, and release it
- Take the mag out of the camera

IV. LOADING A MAG

Loading diagram is shown at pictures 7 and 8.

Loading 60m mag

- Open the mag lid turning its lock to position “0”
- Pull the film counter lever **a** and mount a film roll onto the core **b**
- Pass the film end through the sprocket **c**; press the button **d** and turn the sprocket to do this
- Press the catch **e** and pass the film into the film channel
- Pass the film through sprocket **f**
- Secure the film end on the take-up core **g**
- Turn the sprockets **c** and **f** to set correct loop sizes
- Close the mag lid



Loading 150m mag

You should load the 150m mag in similar way, as shown on the picture 8.

V. MOUNTING A MAG ONTO THE CAMERA

- Press the button (28) to turn the camera mechanism till the pull-down claw is set against a mark

You may turn mechanism manually by means of the knob (26).

- Insert a mag into the camera slot
- Secure the mag turning the lock (5) 90 degrees to any direction and releasing it

VI. MOUNTING ORIENTABLE VIEWFINDER

- To mount a viewfinder:
- Remove a mag from the camera
- Turn the viewfinder lock (30) counter-clockwise to horizontal position and insert a viewfinder
- Secure the viewfinder by the lock (30)
- Turn the ring (3) to achieve a sharp image of the crosshair in the viewfinder
- Loose the nut (21) for 1-2 turns

- Set the viewfinder and its eyepiece part into convenient position
- Secure this position by means of the nut (21)

Automatic compensation of the image turn can be switched off by mean of the lever (22).

Manual compensation is accomplished by means of the ring (1).

VII. MOUNTING PIVOTABLE VIEWFINDER

This can be done in same way as for orientable fiewfinder.

VIII. MOUNTING A START HANDLE

- Loose the screw (31) for 2-4 turns
- Set the handle to convenient position
- Tight the screw (31)
- Push the element on the rear side of the handle to set the start button into convenient position
- Loose the screw (8) and adjust stopper position; adjust a strap length

OPERATION

I. START THE CAMERA

You can run the camera with:

- The switch (9) or
- Button (25) of the start handle [6]

II. INDICATION

Non-sync run indication

- The indicator (10) light ON
- Sound is heard

Note: sound alarm can be switched OFF by means of the switch (12).

Exposed film length indicator

- Exposed film length in meters is shown at indicator (17)
- You may reset the value by means of the button (16)

Note: film counter will reset if you disconnect power source from the camera.

Shooting speed indicator

- Shooting speed is displayed by the indicator (18) with 0.1 fps accuracy

Note: Indicators (17) and (18) can be turned OFF by means of the switch (14).

Unexposed film length indicator (for 150m mag)

- Amount of unexposed film is shown by the counter (7)

Note: the counter scale is marked in meters and in feet.

III. SYNC SOUND RECORDING

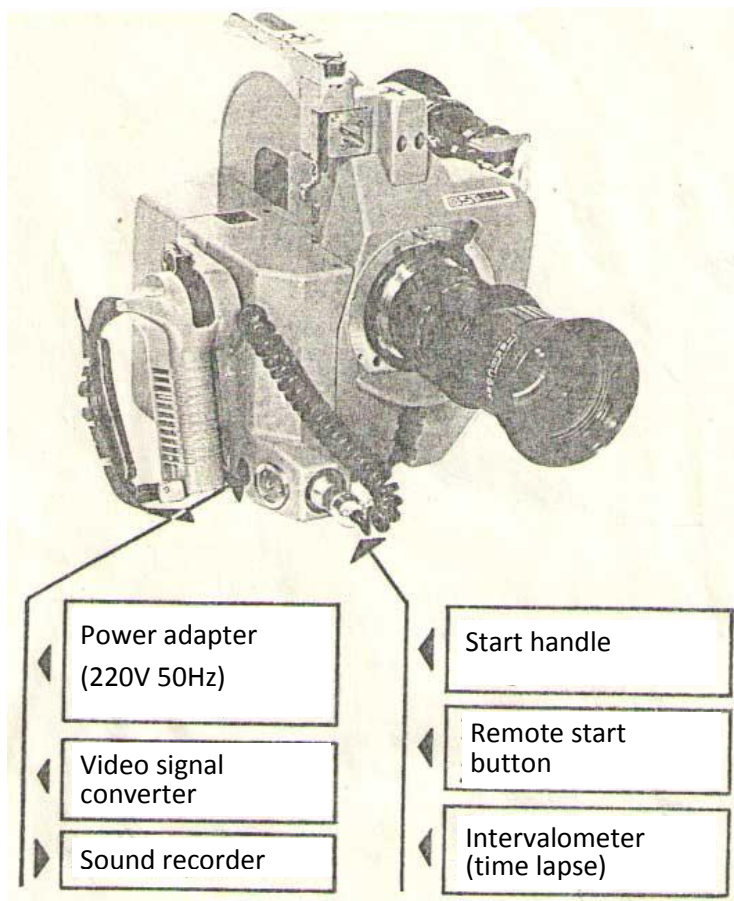
- Start mark is recorded to film at the moment of the camera start, and signal is transmitted to external circuit through the socket (32)

Note: start mark can be turned off by means of the switch (15).

IV. BATTERY CHARGE LEVEL CONTROL

- Green light (42) means that the battery is charged 100-30% of its capacity
- Simultaneous green and red lights (41) and (42) means that the battery charge is lower than 30%
- Red light (41) and sound alarm means that the battery is discharged completely

V. COMMUTATION VARIANTS

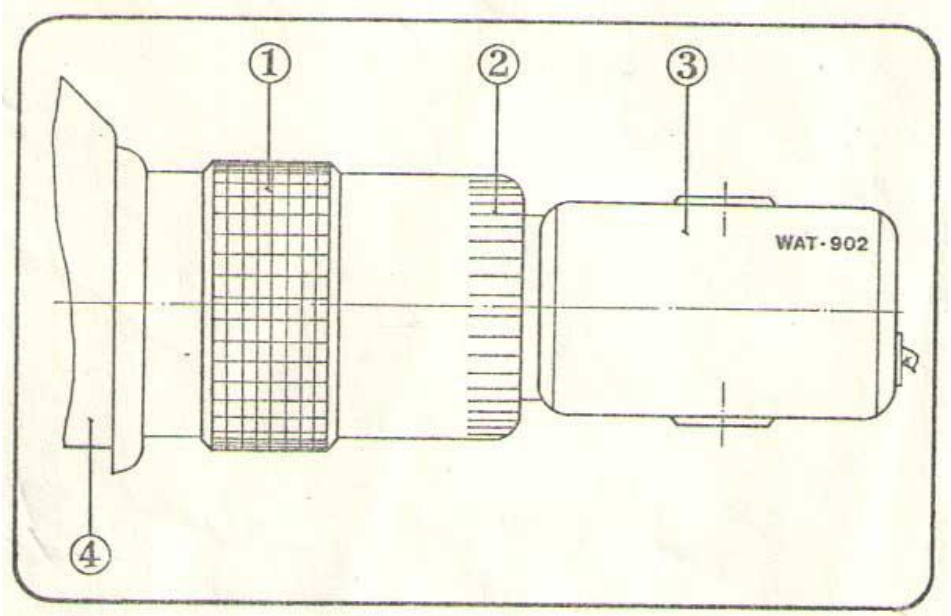


You should connect an intervalometer only after the camera is powered up.

The intervalometer allows shooting in following modes:

- Exposure – from 0.5 to 64 sec
- Frame-to-frame intervals: from 0.5 to 64 sec, and from 0.5 to 64 min.

VIDEO ASSIST



- (1) – diaphragm ring
- (2) – lock ring
- (3) – video camera
- (4) – orientable viewfinder

- Unscrew a plug from the rear side of the orientable viewfinder (4) and screw the video tap instead of the plug
- Make all necessary electric connections

Note: To adjust the video tap, loose the screw (2) for 1-2 turns, and move the video camera along its axis back and forth. When the camera is adjusted, secure the camera (3) position by means of the ring (2).