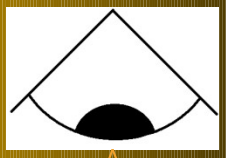
ZORNI KOT, DALJNOGLED IN FOTOGRAFSKI APARAT

KAJ JE ZORNI KOT?

- Kot med dvema skrajnima točkama opazovanega predmeta
- Blizu->velik zorni kot
- Daleč->majhen zorni kot
- Predmet povečan->povečati zorni kot

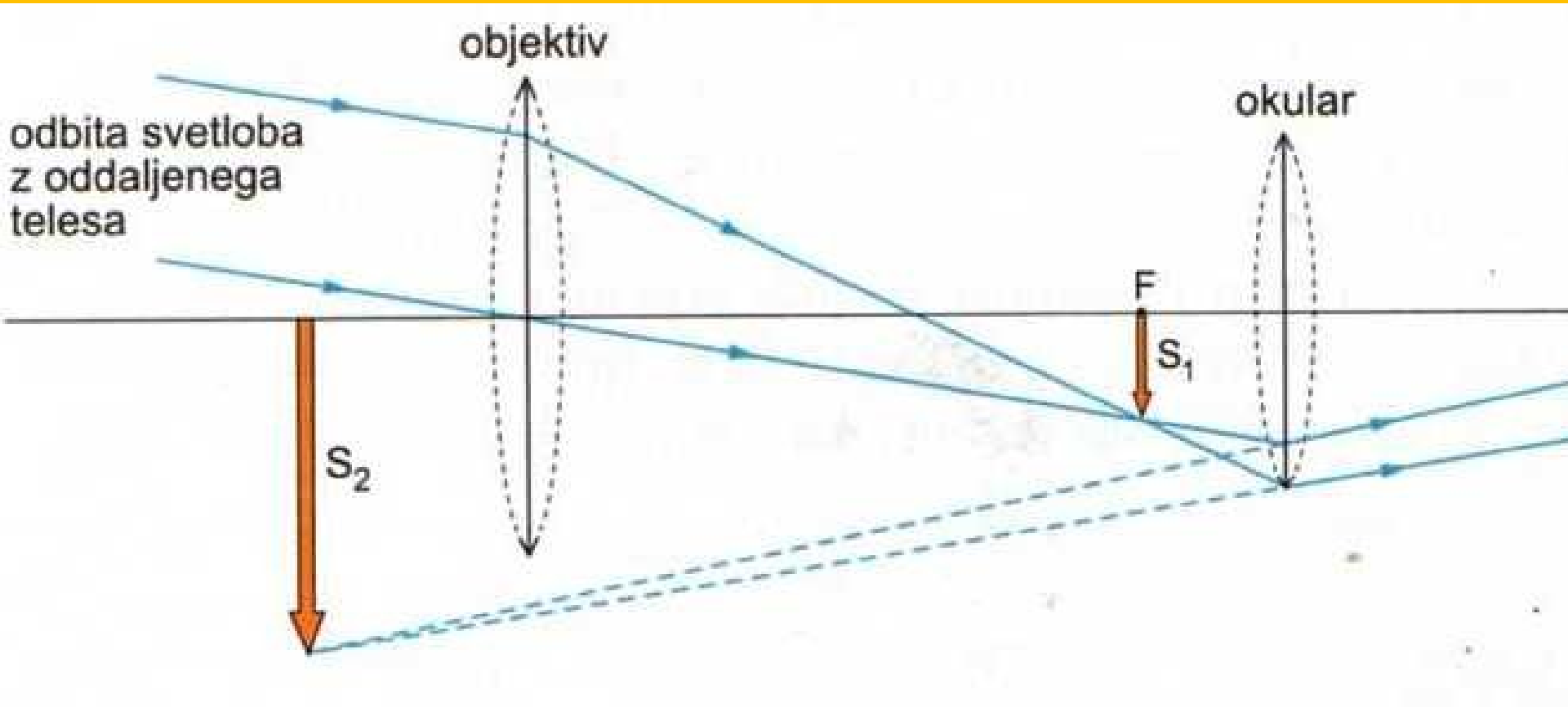


ZORNI KOT

DALJNOGLED

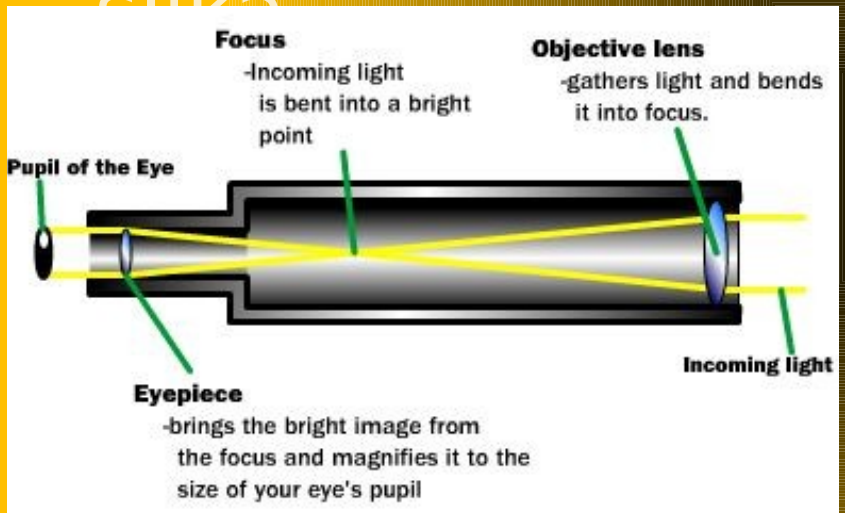
- Sestava:

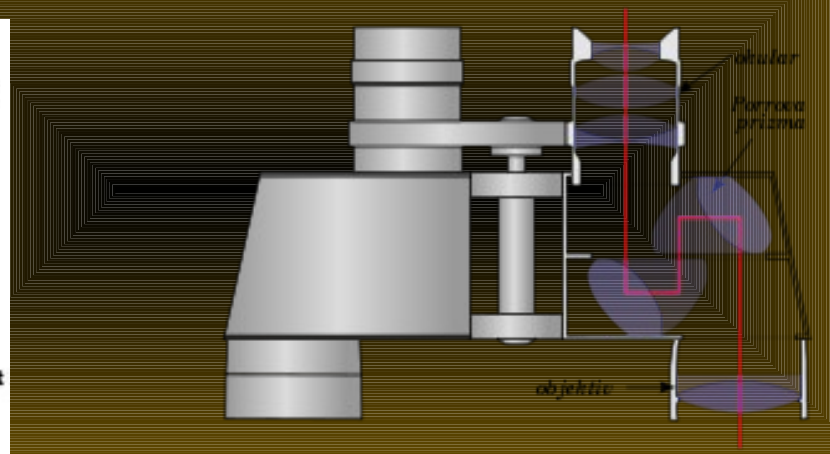
- Dve leči (običajno)>zbiralni
- Okular: krajša in objektiv daljša goriščna razdalja
- Vzporedni žarki->slika
- Slika povečana, obrnjena, navidezna


objektiv
okular
odbita svetloba
z oddaljenega
telesa
F
S_1
S_2

TELESKOP, DALJNOGLED

- V Vesolje gledamo narobe obrnjeno
- Telesna na Zemlji-> daljnogled (teleskop) s prizmami
- V daljnogledu(teleskopu) dve prizmi->večkratni lom svetlobe-> pokončna slika

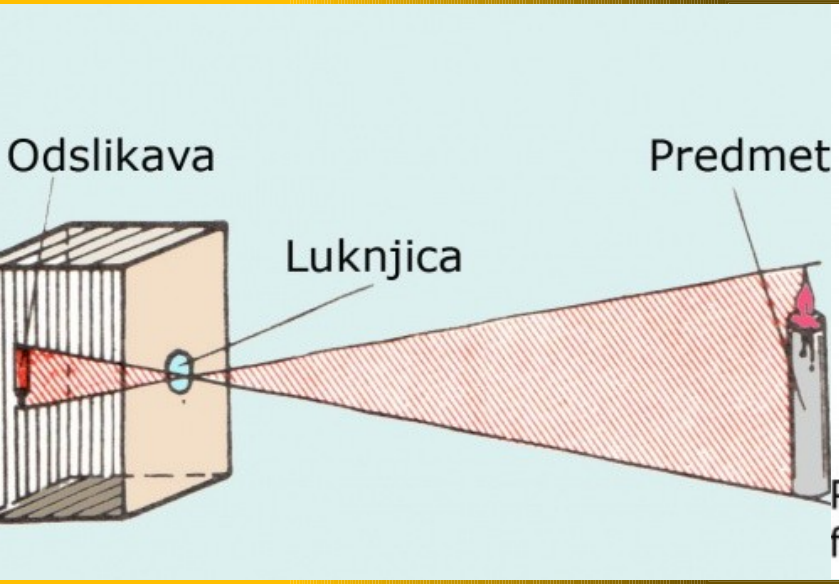


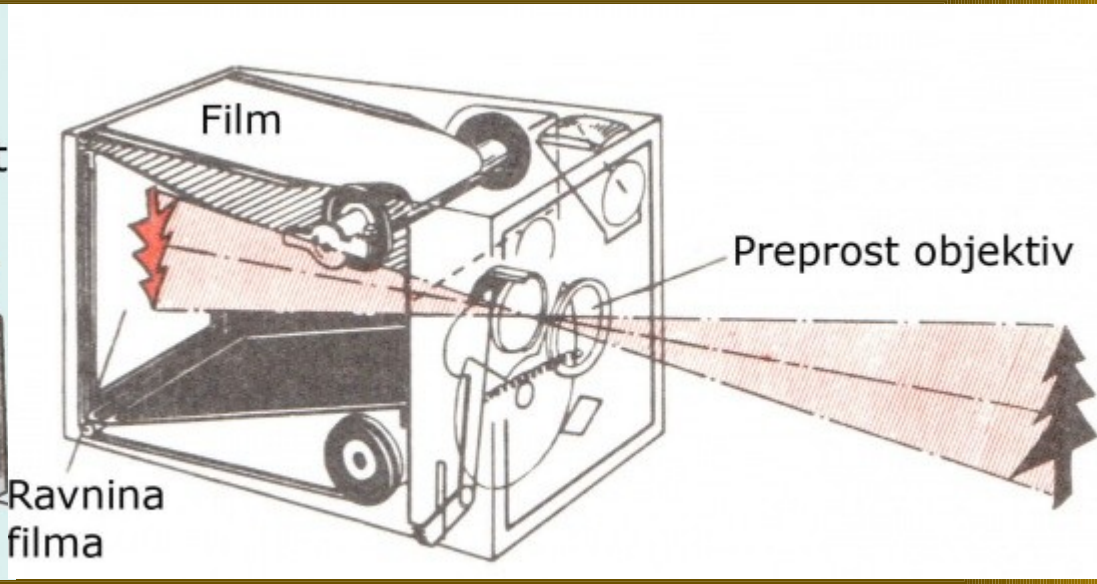


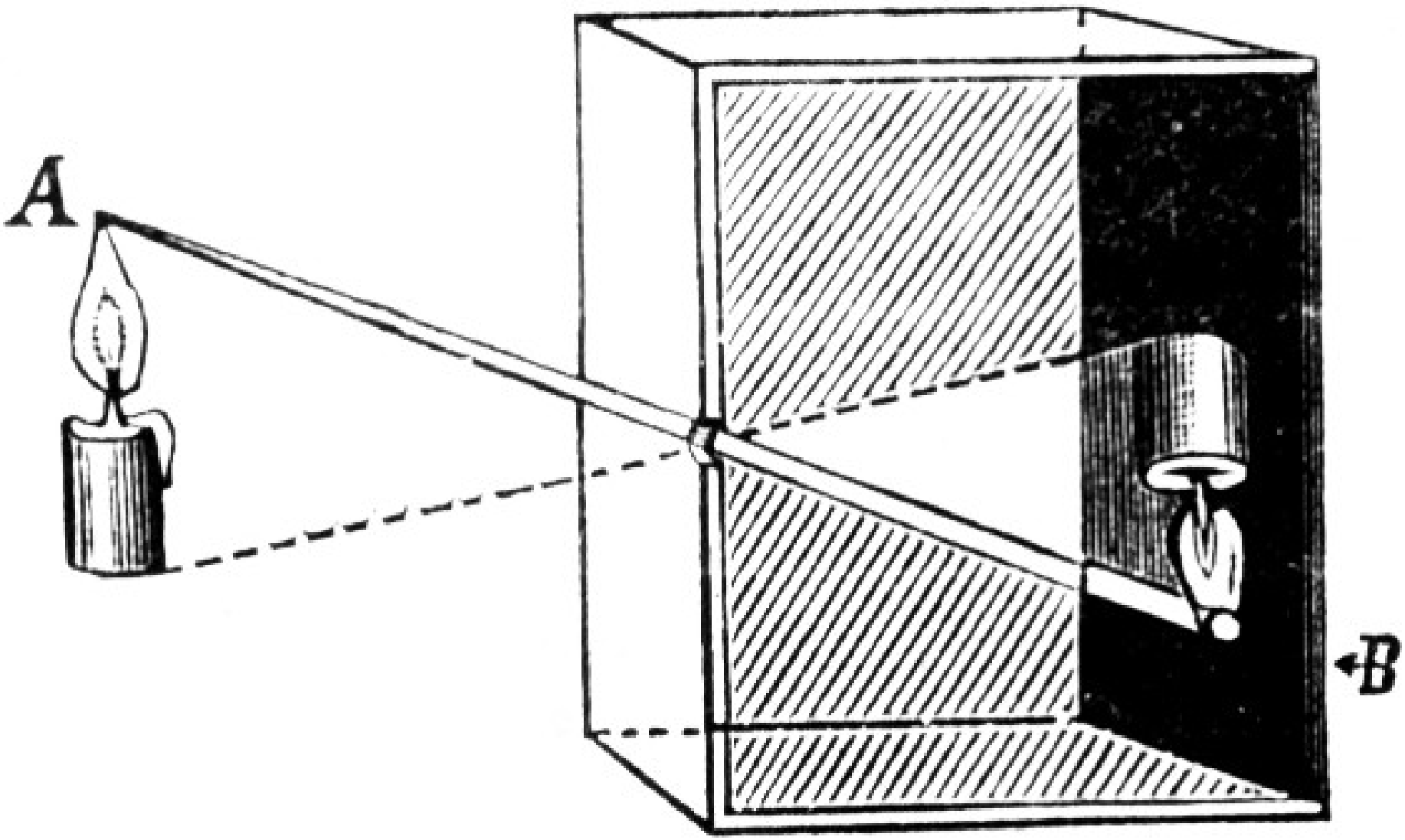
omegon

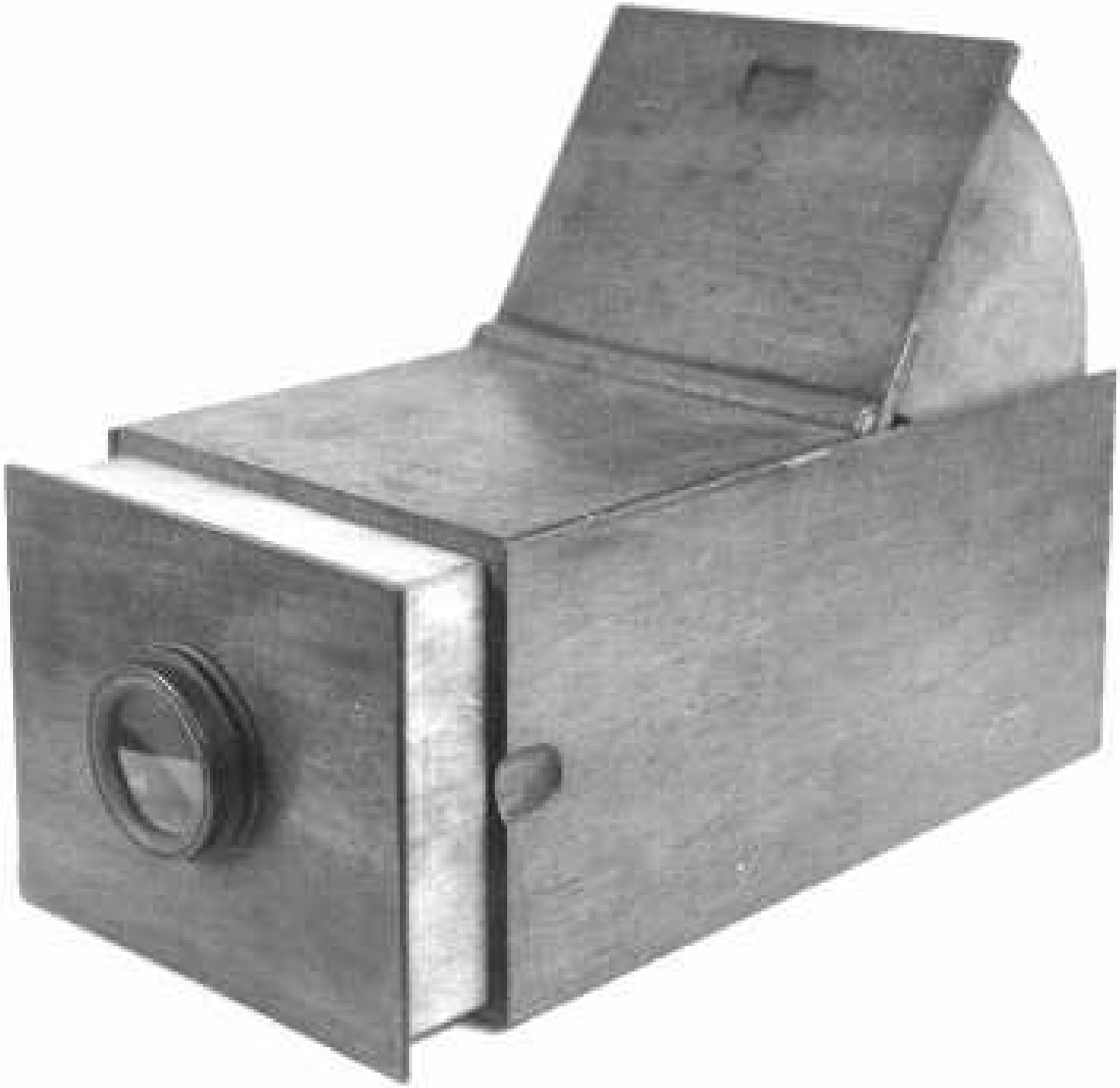
FOTOGRAFSKI APARAT

- Izboljšana kamera obskura
- Oblektiv, film
- Objektiv->zbiralna leča
- ->se premika->ostra slika






A
B



Canon
EOS
CANON ZOOM LENS EF-S 18-55mm 1:3.5-5.6 II
Ø58mm
CANON INC.

Canon
5X
OPTICAL
ZOOM
5.0-25.0mm 1:2.8-6.9
16.0
MEGA
PIXELS

SAMSUNG
SAMSUNG LENS
5x ZOOM 6.3-31.5mm 1:3.5-5.5 Dual IS
12.2 MEGA PIXELS
5X
OPTICAL ZOOM

Nikon
COOLPIX
NIKKOR 3.6X OPTICAL ZOOM
6.7-24.0mm 1:3.1-6.7

OLYMPUS LENS
OLYMPUS
AL ZOOM 4.7-23.5mm 1:2.8-6.5

Carl Zeiss
SONY
Cyber-shot
12.1
MEGA PIXELS