



US00D877225S

(12) **United States Design Patent** (10) **Patent No.:** **US D877,225 S**
Franz et al. (45) **Date of Patent:** **** Mar. 3, 2020**

(54) **BEAM EXPANDER**

(56) **References Cited**

(71) Applicant: **JENOPTIK OPTICAL SYSTEMS GMBH, Jena (DE)**

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(72) Inventors: **Stefan Franz, Jena (DE); Bernd Seher, Jena (DE)**

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(73) Assignee: **JENOPTIK Optical Systems GmbH, Jena (DE)**

(**) Term: **15 Years**

* cited by examiner

(21) Appl. No.: **35/505,862**

Primary Examiner — Holly E Thurman

(22) Filed: **Sep. 18, 2018**

(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

(80) **Hague Agreement Data**

Int. Filing Date: **Sep. 18, 2018**
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Int. Reg. Pub. Date: **Oct. 12, 2018**

(57) **CLAIM**

The ornamental design for a beam expander, as shown and described.

(30) **Foreign Application Priority Data**

May 31, 2018 (DE) 40 2018 100 531

(51) **LOC (12) Cl.** **16-06**

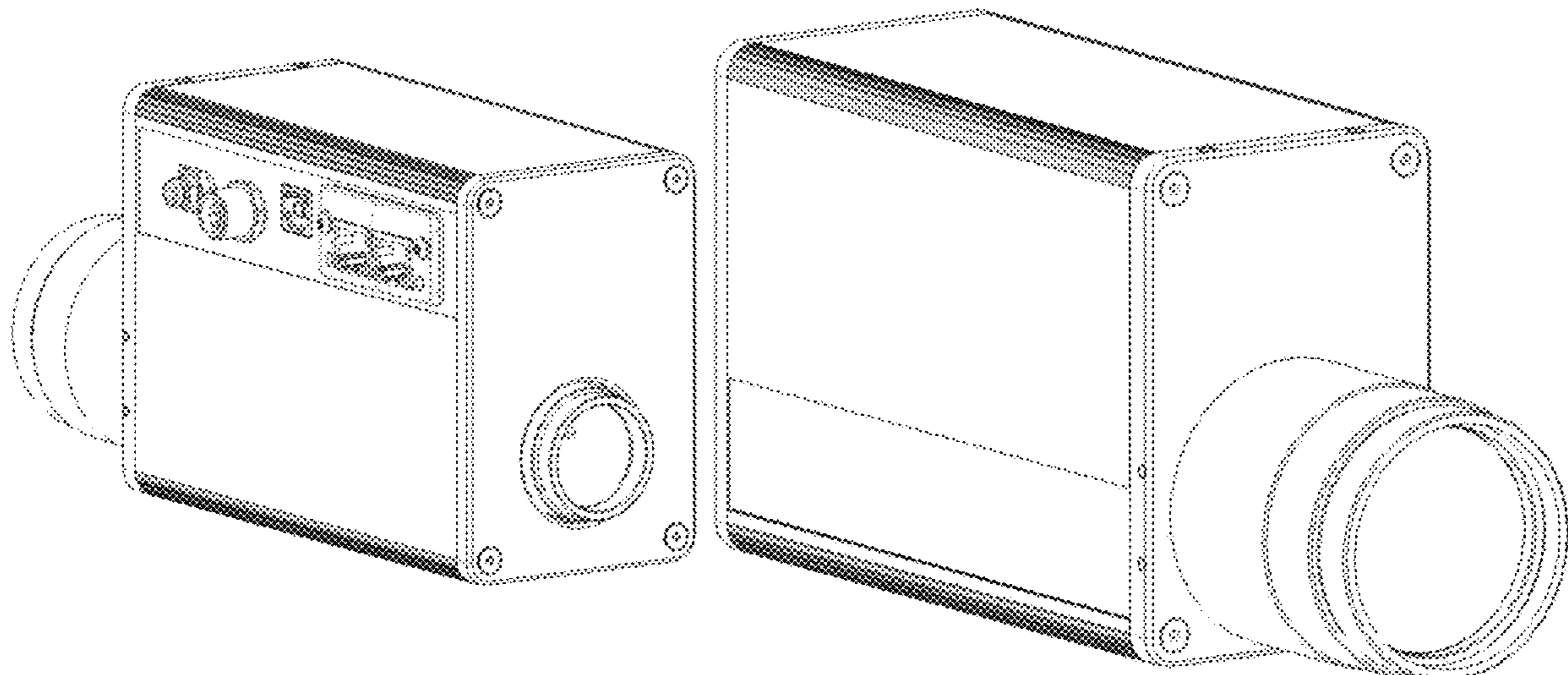
(52) **U.S. Cl.**
USPC **D16/130**

(58) **Field of Classification Search**
USPC D16/130, 134, 136, 219, 235, 237, 242, D16/245
CPC .. G03B 17/566; G03B 17/565; G03B 25/001; H04M 1/21
See application file for complete search history.

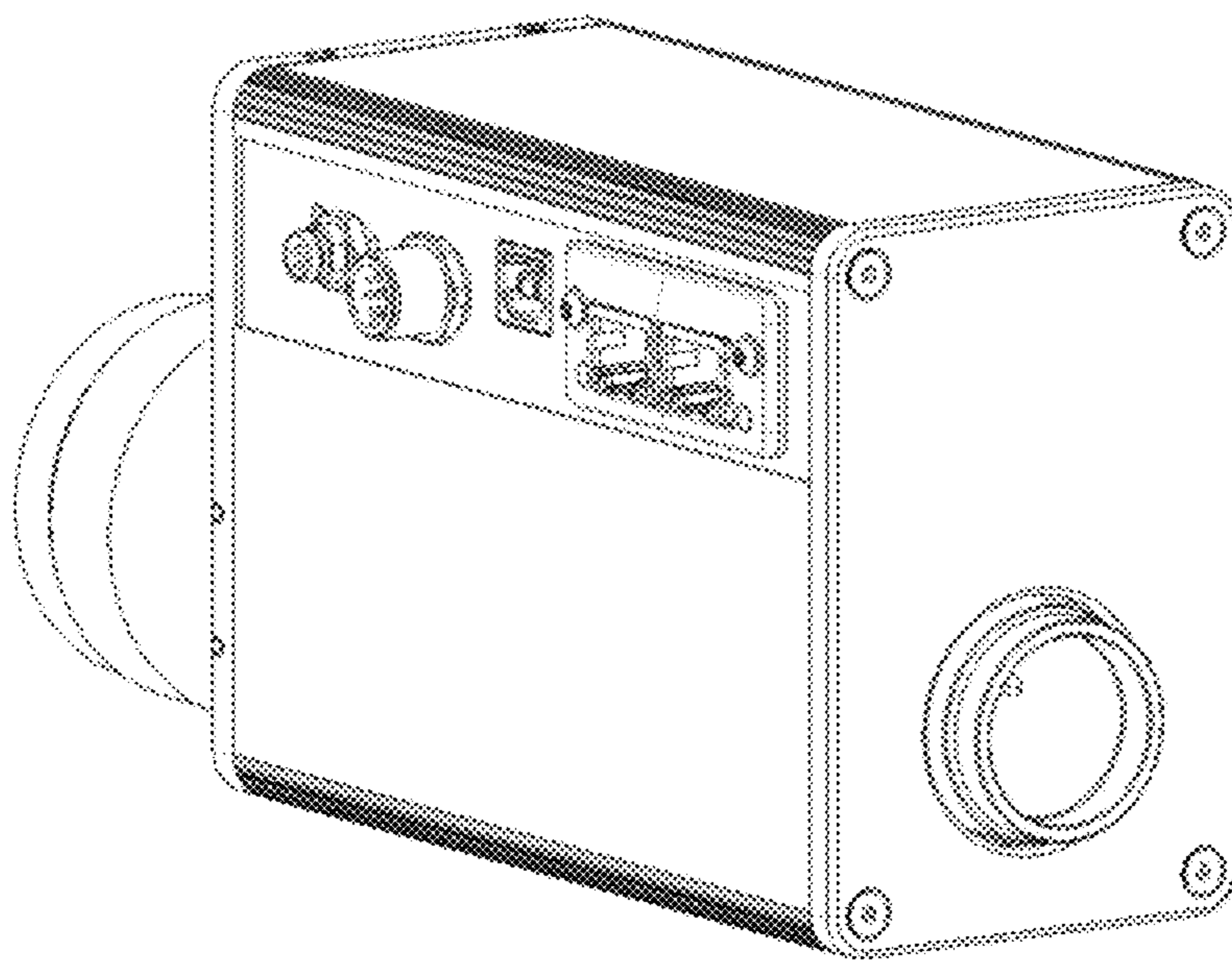
DESCRIPTION

- 2. Beam expanders
- 2.1 : Perspective
- 2.2 : Perspective
- 2.3 : Back
- 2.4 : Left
- 2.5 : Top
- 2.6 : Right
- 2.7 : Bottom
- 2.8 : Front

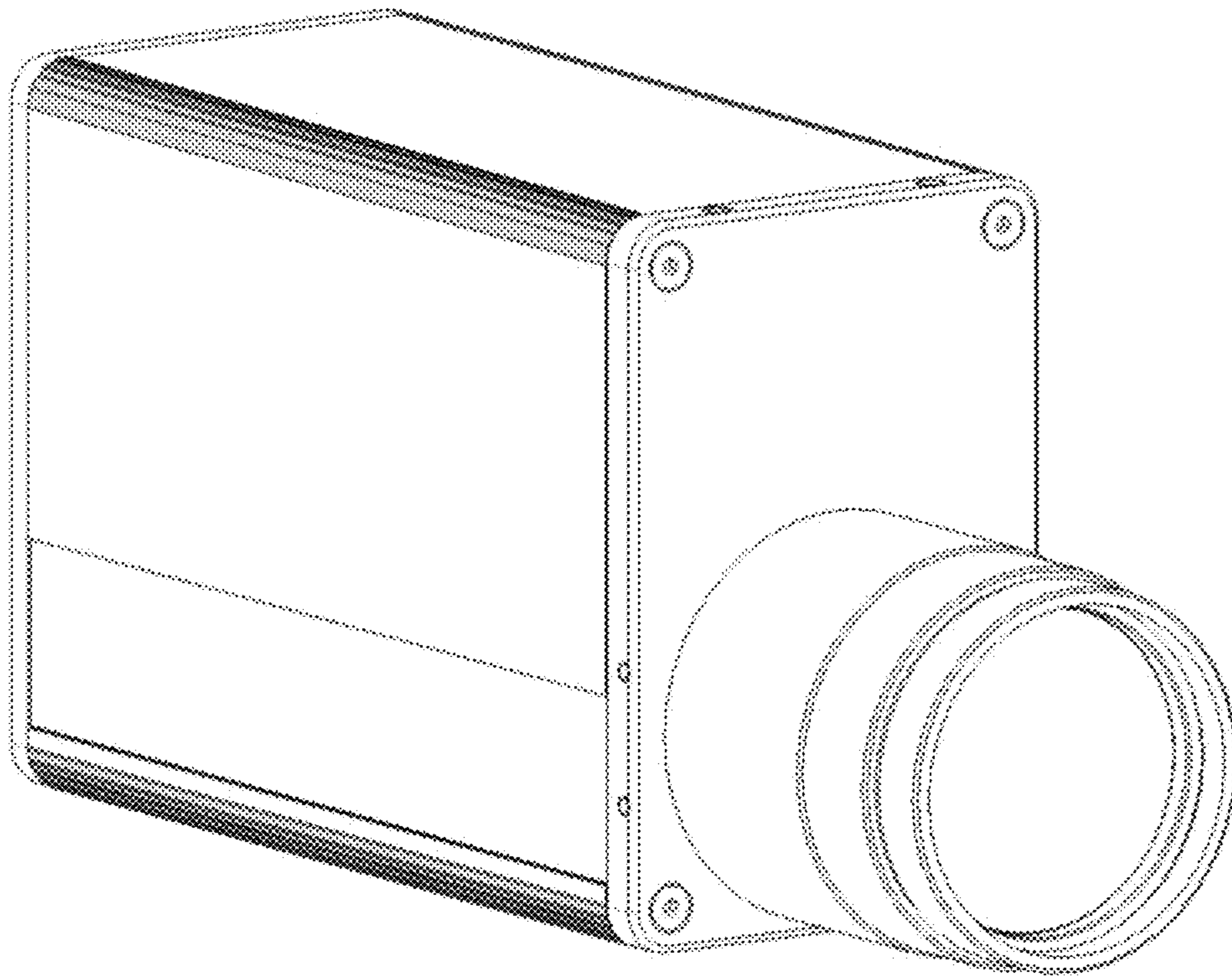
1 Claim, 8 Drawing Sheets



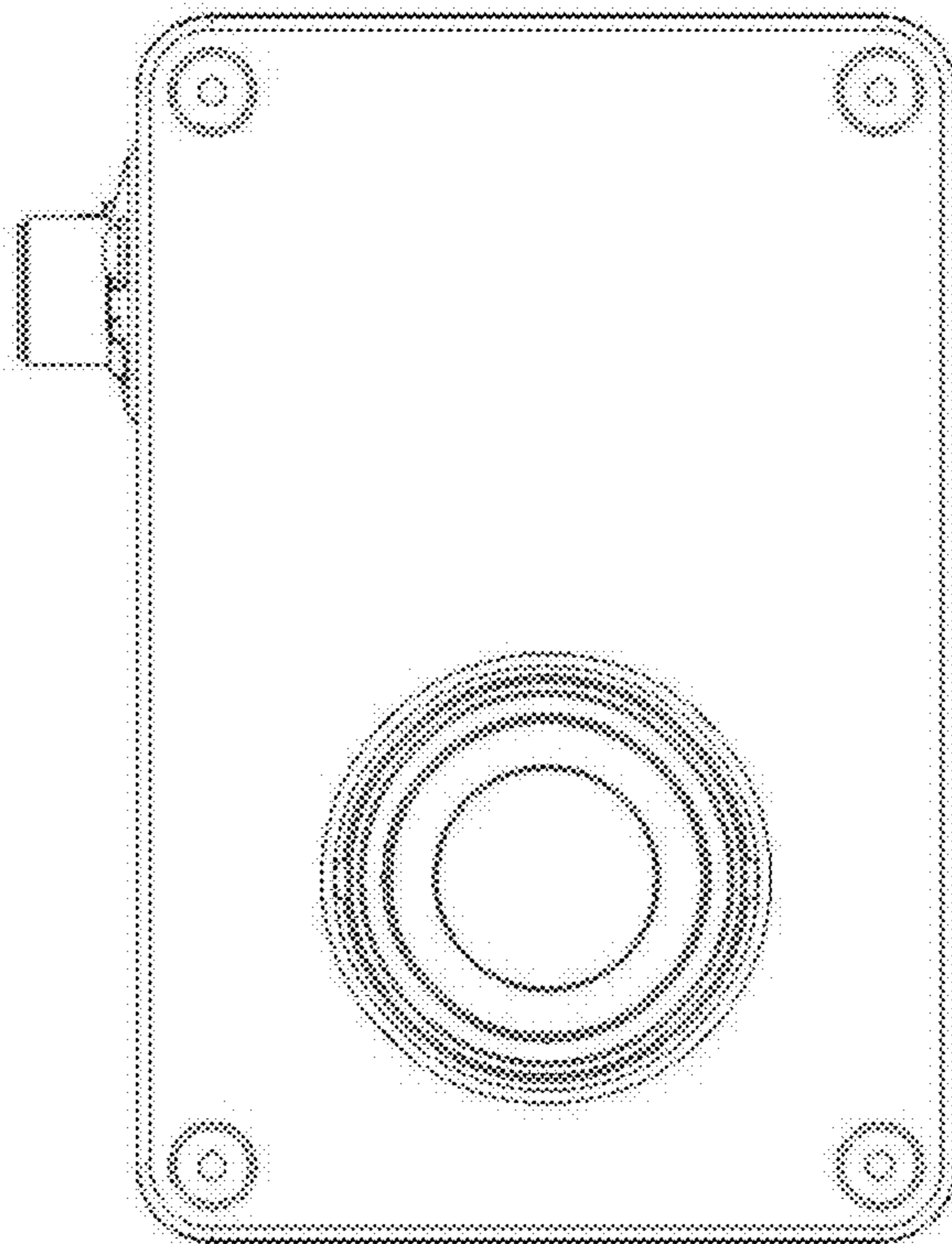
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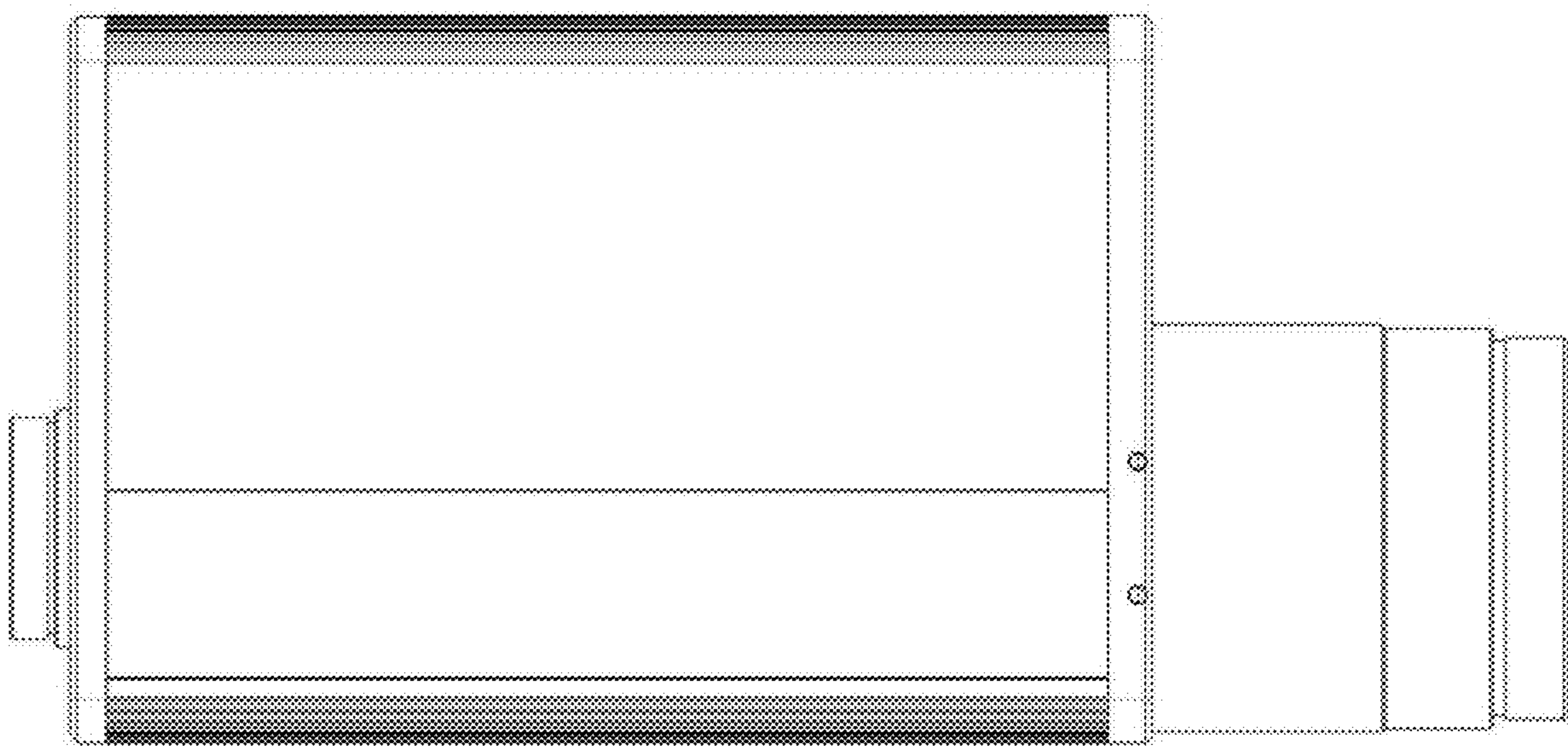
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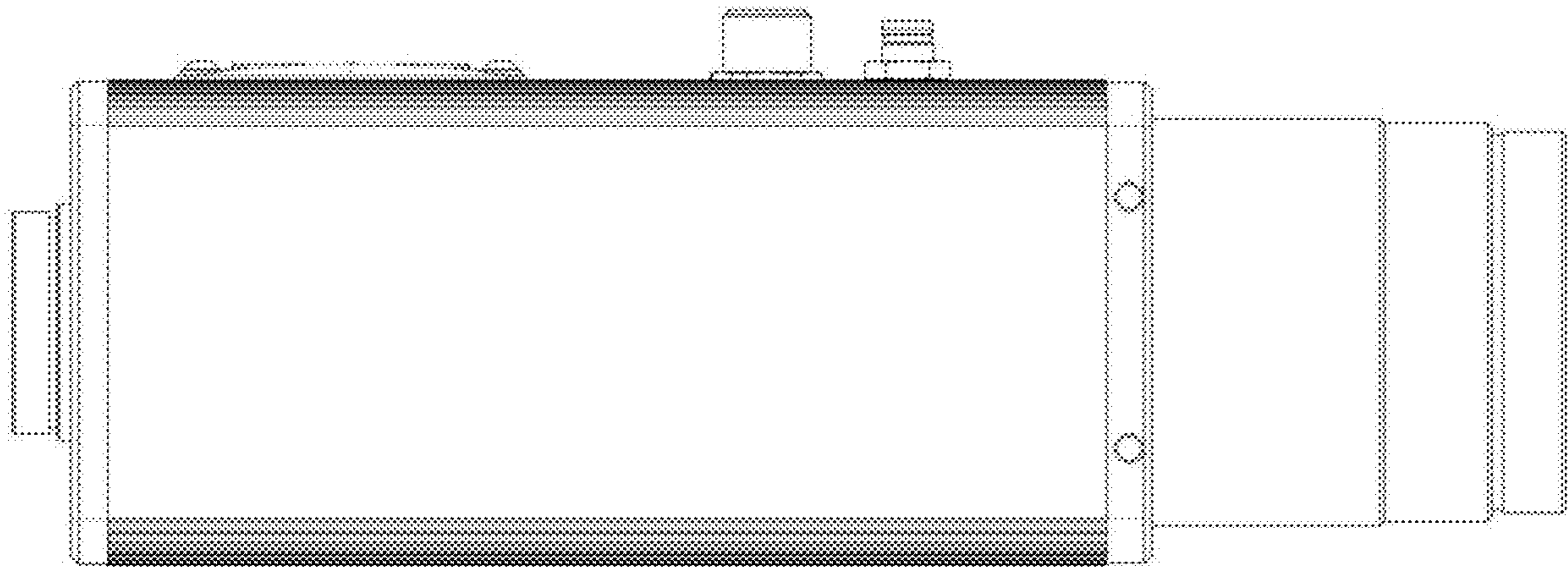
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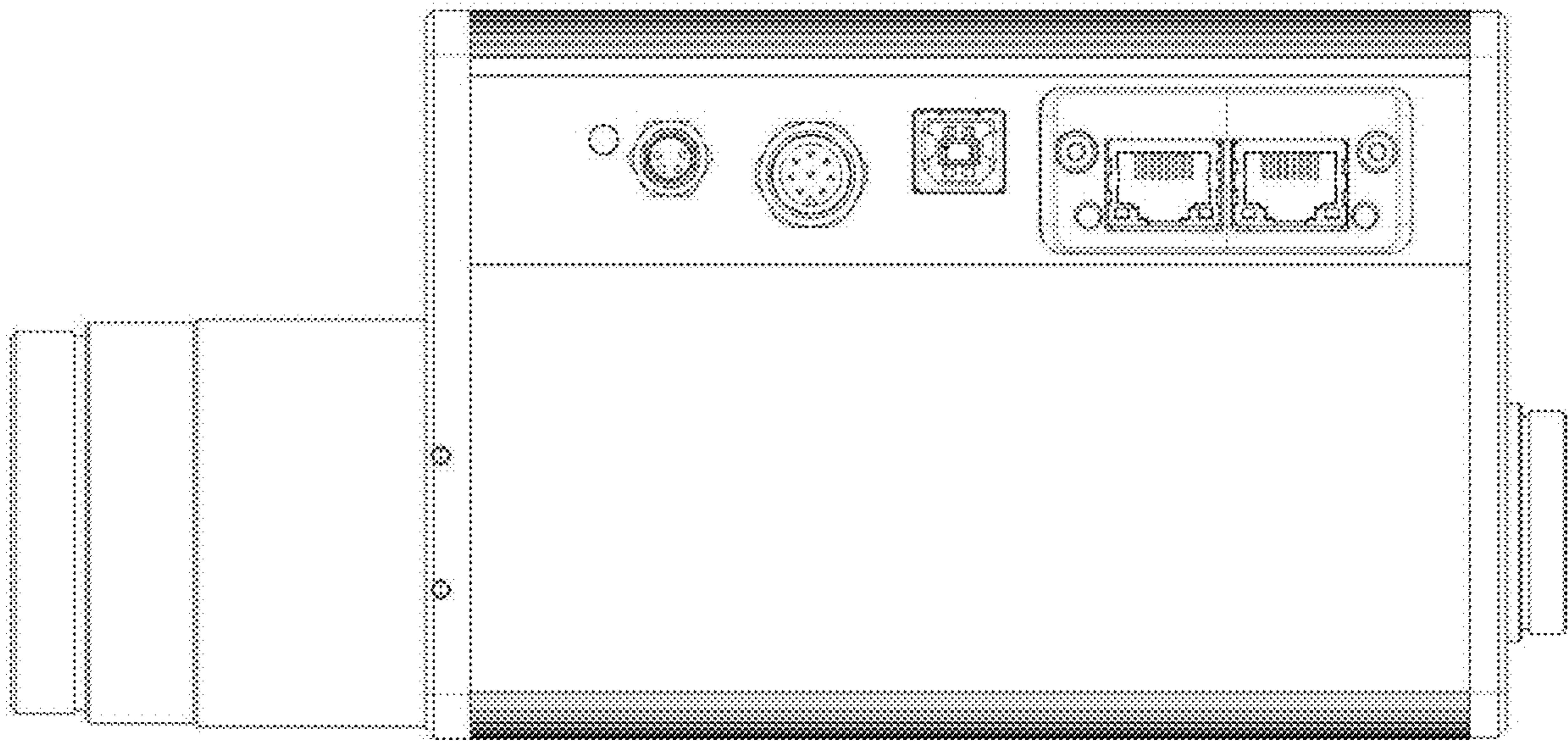
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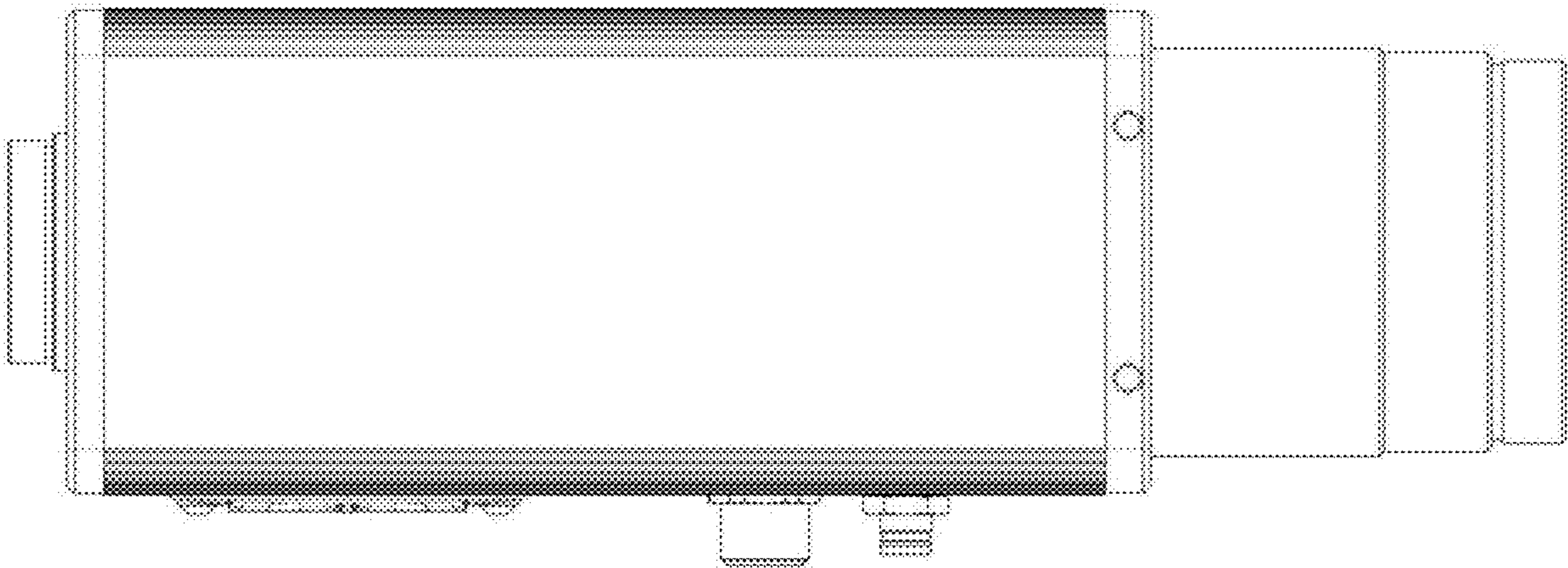
2.5



2.6



2.7



2.8

