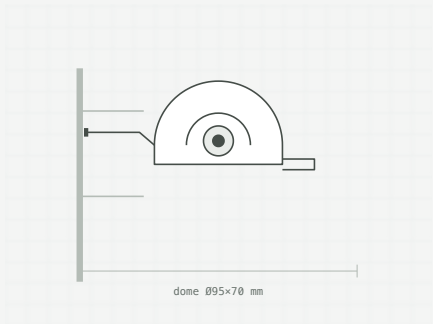
PH-Cam-S — Indoor IP camera

PH-Cam-S — ПХ-Cam-S in Russian documents

2 MP PoE ONVIF dome for indoor use: an overview of shelving, a hall or a work area from the ceiling or wall; IR is off in the profile — color stays true. The lowest-cost IP camera in the catalog.

AVAILABILITY	LEAD TIME	MINIMUM ORDER (MOQ)	PRICE
in stock	**in stock — ships in 1–3 business days; batch of 10+ units — 6–8 weeks**	**1 unit; batches from 10 units**	**on request, RUB excl. VAT**



PH-Cam-S
diagram; photo — after the first samples

Outline drawing; product photos are on the product page. Dimensions: dome Ø95×70 mm (bullet housing 165×70 mm — made to order).

- 1/2.9″ 2 MP (1920×1080@25), M12 4 mm lens (≈85°); 2.8 mm — option
- ONVIF Profile S, ONVIF Snapshot, RTSP H.264 / H.265; manual exposure, 50 Hz
- PoE 802.3af, ≤5 W; cloud and P2P disabled, unique password; IR — off in the profile
- Dome for ceiling / wall; bracket for a shelving upright — option; per-unit security check report

Typical uses: shelving and aisles · work areas and halls · counting and detection on a static scene · indoor shop floor and warehouse.

1. Purpose

An overview camera for static indoor scenes: shelving, aisles, work areas, a hall. 2 MP is enough for a detector and counting; for reading small text at a distance — the PH-Cam-T with a 12 mm lens. A dome with an M12 4 mm lens, PoE, ONVIF Snapshot and RTSP — the edge computer pulls a frame or a stream over the network. IR illumination is off in the profile (IR destroys color) and can be enabled in the standard way if the scene is dark at night. The vendor cloud and P2P are disabled at the firmware level, the password is unique, and our exposure and GOP profile is tuned for detection. For outdoor use — PH-Cam-O.

> **Straight talk:** This is a budget-class overview camera: 2 MP and a 4 mm lens will not read 3 mm labels beyond a metre — for text take the PH-Cam-T. The price includes the scene firmware profile, the disabled vendor cloud and a per-unit security check report.

2. Platform, processing and optics

Processing	camera ISP; inference runs on the edge computer (PH-K30 / PH-K40 / PH-K01 / PH-J31 / PH-J01)
TOPS INT8 dense	not applicable (models run on the edge computer) method: —
Memory	not applicable
Storage	none (frames are not stored in the camera)

Sensor	1/2.9″ CMOS 2 MP (1920×1080)
Shutter	rolling (static scene — acceptable)
Resolution	1920×1080@25; JPEG snapshot via ONVIF / HTTP
Lens	4 mm (≈85°) or 2.8 mm (≈105°) — to match the distance to the scene; fixed focus
WDR	digital WDR
IR illumination	850 nm IR illumination present, off in the profile (color and text without IR glare); can be enabled in the standard way
Interface	RJ-45 PoE 802.3af, ONVIF Profile S, RTSP, HTTP Snapshot

3. Interfaces

USB	none
Ethernet / PoE	1×100 Mbit/s RJ-45, PoE 802.3af
RS-485 / CAN / RS-232	none
GPIO / relay	none
M.2	none
Video output	none
Wi-Fi / BT / LTE	none wired PoE camera — no second network and no radio on site

4. Power and thermal

Power input	PoE 802.3af (48 V) or 12 V DC
Power consumption (typical)	≈3 W
Power consumption (peak)	≤5 W
Cooling	passive

Enclosure temperature in a closed cabinet at +40 °C ambient	measured after the first sample is tested; we publish the measurement, not a datasheet value

5. Mechanical

Dimensions	dome Ø95×70 mm (bullet housing 165×70 mm — made to order)
Weight	≈250 g
Mounting	ceiling / wall — standard; bracket for a shelving upright / column — option
Connectors	RJ-45 in a boot, 30 cm pigtail

6. Environment and protection

Operating temperature	–10…+50 °C (indoor)
Ingress protection	IP54
Vibration / shock	not rated

7. Bench measurements

Measurements are expected with the first samples. What we measure: share of legible small text (labels, price tags, plates) at 700 / 300 / 100 / 50 lx; detector mAP on the camera's frames.

four mounting options × four light levels — with the first samples

8. Configuration options

Option	Price
2 MP, 4 mm lens — base	base
2.8 mm lens (≈105°)	no surcharge
4 MP	on request
Bracket for a shelving upright / column	on request
Bullet housing 165×70 mm made to order	made to order, price in the quotation

Prices for 1 / 10 / 100 units and for options — in the quotation within 2 business days, valid 30 days. The contract includes a price revision formula tied to the Bank of Russia exchange rate and the DRAM index.

9. What's included

- Camera, RJ-45 boot, mounting hardware
- "Static scene" firmware profile: exposure, GOP, snapshot, IR off, cloud off, UPnP off, unique password

- Per-unit security check report (nmap, outgoing connections)
- 1-year warranty, replacement or spares; product passport

10. Compatibility

Cameras	—
Power / PSU	PoE switch or 802.3af/at injector; 12 V DC
Runtimes	ONVIF / RTSP — on the PH-K30, PH-K40, PH-K01, PH-J31, PH-J01 or your server

11. Updates and support

the camera profile is updated together with the system image of the edge computer it is connected to.

12. Documents and origin

EAC declaration	in progress — issued to Pikhta Tech LLC, in progress
FSB notification	in progress — model is checked against the registry; we file the notification ourselves if needed
Datasheet	this document: PDF v0.9 and the web version on this website
Product passport	in progress
Vendor security questionnaire	on request — per-unit security check report — included
Origin and our part	ODM camera (PRC) under our part number; batch acceptance — at the factory; firmware profile, security check and kitting in Russia; EAC declaration issued to Pikhta Tech LLC.

13. Chip and sensor vendor documentation

- ONVIF — profiles (Profile S / T) (camera compatibility with NVRs and clients): https://www.onvif.org/profiles/

We do not host third-party documents — links to official pages only; full chip datasheets are available from the vendor or its distributor.