



INCAS - Institutul Național de Cercetare-Dezvoltare Aerospațială "Elie Carafoli"
Bd. Iuliu Maniu nr. 220, Sector 6, Cod 061126, București, ROMÂNIA
Tel.: (+40-21) 434 00 83; Fax: (+40-21) 434 00 82
e-mail: incas@incas.ro
www.incas.ro

Reg. no. _____

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INTRARE	Nr. <u>6880</u>
IESIRE	
Ziua <u>08</u>	Luna <u>11</u> Anul <u>2023</u>

IOSIN Responsible,
Dr. Ing. Corneliu Stoica

TECHNICAL MANAGER,
Ec. Ionuț LOM

GENERAL MANAGER
Dr. Fiz. Adriana ȘTEFAN



Technical characteristics
Ultra High-Speed Camera

Technical characteristics Ultra High-Speed Camera

In order to remedy the functionality of the Schlieren visualization system, which includes an old high-speed camera (more than 15 years old), but also to perform other specific visualizations highlighting aerodynamic phenomena during wind tunnel experiments, the National Institute for Aerospace Research and Development "Elie Carafoli" - INCAS Bucharest wishes to purchase a Ultra high-speed camera.

At the same time, this acquisition will help to increase the accuracy of the data collected during the testing campaigns carried out and to align with the current requirements of internal and external users.

Ultra High-Speed Camera - Technical characteristics

- Resolution: 2048 x 2048
- Speed: 1400 fps@2048 x 2048; 2500 fps@1920 x 1080 pixels; 100000 fps at reduced resolution
- Colour depth: 10 bits
- Light sensitivity: ISO 2500
- Lens mount: standard Nikon F-mount
- Power supply: 230 AC
- Interface: 1/10 Gigabit High-speed camera interface with high resolution

1. Delivery time

Equipment delivery - maximum 15 working days

2. Guarantee conditions and post-guarantee

The equipment will benefit from a guarantee of 12 months

3. Condition of receipt

Acceptance: within 5 working days from the date of supply of the product, *the quantitative and qualitative acceptance* (Technical Documentation where applicable: User Manual) will be carried out by the acceptance committee of the purchaser and the beneficiary.

Reception of the product: reception of the product will take place at INCAS Bucharest.

4. Quality assurance

The product will be according to the EU 30/2014(Class A).

5. Payment conditions:

The payment will be performed according to the contract.

No advance or partial payments at the contract signed.

6. The price:

The price will be in Romanian LEU(ROM), including all costs.

Contracted prices are fix in Romanian LEI(ROM) throughout the duration of the contract.