

TENDER DOCUMENTATION

To a public contract for the supplies awarded in an open procedure

In accordance with Section 56 of the Act No. 134/2016 Coll., on Public Procurement, as amended (hereinafter only as the “**Act**”)

Server with high storage capacity

The number of the public contract of the Contracting Authority: VZ/19/546

The public contract is part of the project entitled Modernizace infrastruktury pro magisterské studium na PŘF UK, reg. č. CZ.02.2.67/0.0/0.0/16_016/0002266 v rámci operačního systému OPVVV 2014-2020.

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1. INFORMATION ON THE CONTRACTING AUTHORITY

Basic information

Name: **Charles University, Faculty of Science**
Registered office: Albertov 2038/6, Prague 2 – Nové Město, post code 128 00
ID No.: 00216208
VAT No.: CZ00216208
Representative: Prof. RNDr. Jiří Zima, CSc., Dean
(hereinafter only as the “Contracting Authority”)

2. SUBJECT MATTER OF THE PUBLIC CONTRACT

2.1. Defining the Subject Matter of the Public Contract

The subject matter of the performance of the public contract includes the supply of the device.

A brief description of the device:

Server with high storage capacity and computational power. Contracting authority plan to use it as a medium term storage system with user remote access (RDP/VNC) for image data processing and analysis. The system must be able to simultaneously store image data from at least 8 microscopes. It must be able to smoothly capture and store image data from two streaming sCMOS (2048x2048 pixel, full frame, 100 fps) with potential for simultaneous smooth high image data traffic from and onto other microscopes (roughly tens or hundreds GB) and high CPU and GPU data processing via remote desktop access of several tens of users. Moreover, at least 4 microscopes computers need to be directly connected into the server. Server will be connected via optical network wire into the faculty network. System have to be tested and optimized for required features and software with guaranteed performance and security. Contracting authority requires on-site and remote support for setting up the system and building custom solutions by contractor.

CPV code

48821000-9 - Network servers

- 2.2. In addition to the general description of the subject matter of the performance, the Contracting Authority shall, in Annex No. 3 to this tender documentation, more detailed information on the subject matter of the performance and the technical terms of the subject matter in the form of determining the absolute (minimum) technical requirements.
- 2.3. If a Tenderer fails to comply with any of the absolute (minimum) technical requirements and fails to offer an equivalent solution, she/he will be excluded. Fulfilling these parameters will also be required by the Contracting Authority within the installation and acceptance of the subject matter of the performance. The Contracting Authority admits offering better than minimum parameters, properties or functions.

- 2.4. The Contracting Authority requires a new and previously unused device. The Contracting Authority does not admit the offer of used or overhauled devices, both as a whole and individual components.
- 2.5. All offered products to be supplied shall comply with the relevant provisions of the Act No. 22/1997 Coll., on Technical Requirements for Products and on Amendments to Certain Acts, as amended.

3. ESTIMATED VALUE OF THE PUBLIC CONTRACT

The estimated value of this public contract has been determined in the amount of

92 000 EUR excl. VAT

The tender bid price in the EUR excl. VAT must not exceed the estimated value of the public contract determined by the Contracting Authority for this public contract.

4. PERFORMANCE TERM AND PLACE

4.1. Performance Term

The subject matter of this public contract will be performed by the selected Supplier within the term specified in the draft contract whose binding template forms Annex No. 2 to this tender documentation. The date of commencing the performance of the public contract is subject to completing the tender procedure and concluding the contract with the selected Supplier.

4.2. Place of Performance

The place of performance is specified in the draft contract whose binding template forms Annex No. 2 to this tender documentation.

5. INSPECTION OF THE PLACE OF PERFORMANCE

Within this public tender, the Contracting Authority does not organise the inspection of the place of performance.

6. QUALIFICATION REQUIREMENTS

- 6.1. The Contracting Authority requests demonstrating the qualification of the Tenderer in the scope and form as follows:
- Basic eligibility under Section 74 of the Act;
 - Professional eligibility under Section 77 (1) of the Act; and
 - Technical eligibility under Section 79 (2) (b) of the Act.

The Supplier shall submit the documents in a simple copy and in accordance with Section 86 (2), they may be replaced with a **statutory declaration** or a **European Single Procurement**

Document under Section 87 of the Act. In accordance with Section 86 (3) of the Act, only the selected Supplier will be required to submit the originals or certified copies of the eligibility criteria or the Contracting Authority will obtain them on its own following a procedure under Section 39 (5) of the Act. However, the Contracting Authority will not prevent any Supplier from submitting, at their sole discretion, the originals or certified copies of the eligibility documents already in the tender bid.

- 6.2. For the purposes of demonstrating satisfying the technical eligibility criterion, the Contracting Authority requires submitting the list of significant deliveries provided by the Supplier over the last 3 years prior to commencing the tender procedure, including the indication of the price and the performance term and the identification of the client.

The Supplier will include in the list at least **TWO significant deliveries**, whose subject matter of performance was identical or similar to the subject matter of the performance of this public contract and with the financial value of at least **40 000 EUR excl. VAT for each delivery**; the list will comply with the requirements - Certificate of Compliance with Technical Eligibility - according to the table in Annex No. 4 to this tender documentation. The similar delivery shall be deemed by the Contracting Authority as the **delivery of a system capturing data from at least two streaming cameras (e.g. lightsheet microscope) and serving several microscopes or devices and tens of users at once in microscopy core facility or other research workspace**, yet with different parameters than those specified in this tender documentation. The list shall be prepared in order to clearly and unambiguously indicate the compliance with all the above requirements of the Contracting Authority.

An equivalent document to demonstrate the criterion includes a contract with a client and a certificate of performance of the Supplier.

6.3. **Changes in the Qualification**

The Tenderer shall notify the Contracting Authority of any changes in the eligibility in accordance with Section 88 of the Act.

7. **EXPLANATION, CHANGE OR COMPLETION OF THE TENDER DOCUMENTATION**

7.1. **Explanation of the Tender Documentation**

- 7.1.1. In accordance with Section 98 (3) of the Act, the suppliers are entitled to request the Contracting Authority in writing to explain the tender documentation.

- 7.1.2. Any requests for the explanation of the tender documentation may be submitted in Czech or English in the electronic form, ideally through the Contracting Authority's profile – <https://www.tenderarena.cz/profil/zakazka/detail.jsf?id=260942>.

- 7.1.3. The Contracting Authority shall explain the tender documentation with the procedure under Section 98 of the Act, including publishing the exact wording of the request without the Supplier's identification.

7.2. Change or Completion of the Tender Documentation

The Contracting Authority shall perform any change or completion of the tender documentation in accordance with Section 99 of the Act.

8. CONTRACTUAL TERMS

- 8.1. The contractual, business and payment terms of performing the public contract are defined in the form of a binding text of the draft contract, which forms Annex No. 2 to this tender documentation (hereinafter only as the "Draft Contract").
- 8.2. In the text of the binding contract template, the Supplier may not change any information provided by the Contracting Authority except for the provisions whose content of the binding requirements imply the duty of completion (in Czech or in English). However, the Supplier may not change the scope of the rights and duties arising out of the contract.
- 8.3. In the event of a tender bid submitted jointly by several suppliers, as well as in the case of submitting a bid by a foreign Supplier or suppliers, the Supplier may amend the draft contract solely and exclusively with respect to these facts.
- 8.4. Any contractual terms specified by the Contracting Authority in this tender documentation have been prescribed as binding and obligatory.

9. TIME LIMIT

The Contracting Authority has not set forth, in accordance with the provisions of Section 40 of the Act, the time limit in which the Tenderer may not withdraw from the tender procedure.

10. SECURITY

The Contracting Authority does not require providing a security in accordance with the provisions of Section 41 of the Act.

11. TENDER PRICE

11.1. Requirements for Preparing the Tender Price

The Supplier shall determine the tender price as a total price of the complete delivery of the subject matter of the public contract, including any related costs (fees and secondary costs, e.g. exchange rate impacts, the general price development, increasing in the costs arising out of the general terms and condition, etc.), as a total amount in Euros.

The tender price shall be provided in EUR excl. VAT and as the highest admissible price for fulfilling the complete subject matter of the public contract. If the tender price should be in a currency other than Euros, the Contracting Authority will convert the tender price into Euros according to the exchange rate on the date of submission of the offers announced by the

Czech National Bank on the following pages: <https://www.cnb.cz/en/financial-markets/foreign-exchange-market/central-bank-exchange-rate-fixing/central-bank-exchange-rate-fixing/>

The tender price must not exceed the estimated value of the public contract determined by the Contracting Authority. The tender price is complete, maximum permissible, non-negotiable and up-to-date for the performance of the public contract at a specific place and time. The tender price will include all the work, activities and supplies needed to fulfil the subject matter of the public contract and will also include all costs (freight, insurance, etc.) required for all activities related to the performance, installation, commissioning, testing and acceptance of the subject matter of the delivery.

11.2. **Extremely Low Tender Price**

The Contracting Authority shall assess the amount of the tender prices in relation to the subject matter of the public contract.

In the event that the Contracting Authority suspects that the tender bid contains an exceptionally low tender price in relation to the subject matter of the public contract, it shall ask the Tenderer for a written explanation of the method of determining the extremely low tender price. A request for the explanation of an exceptionally low tender price will be considered as a request under Section 46 of the Act; it may be complement and repeated.

In accordance with Section 48 (4) of the Act, the Contracting Authority may exclude the Tenderer if their bid contains an exceptionally low tender price and if the Tenderer has failed to provide a relevant reasoning.

12. **METHOD OF ASSESSING THE TENDER BIDS**

The tender bids will be assessed according to their economic benefits.

The economic benefits will be assessed in accordance with Section 114 (2) of the Act on the basis of the lowest tender bid price.

For the assessment purposes within this criterion, the Tenderer shall submit, within the tender bid, the total tender price in EUR excl. VAT for the subject matter of the public contract. The assessment includes the total tender price in EUR excl. VAT. The lowest tender price excl. VAT will receive the highest score. The Contracting Authority shall determine the order of the tender bids according to the tender prices in EUR excl. VAT from the lowest to the highest.

13. **TENDER BID**

- 13.1. The tender bids are to be submitted in the electronic form by means of the electronic tool <https://www.tenderarena.cz/profil/zakazka/detail.jsf?id=260942>
- 13.2. The tender bid shall be drafted in Czech or English or the combination of both languages.
- 13.3. The Contracting Authority shall not admit variants of the tender bid.

- 13.4. **The tender bid shall contain** the following documents and components, while the tender bid structure specified below serves merely as a recommendation:
- a. A completed cover sheet of the tender bid according to Annex No. 1 to this tender documentation;
 - b. A contract in the event that multiple suppliers submit a joint tender bid (according to Art. 13.9 of this tender documentation);
 - c. Documents and written commitment of a third-party to provide the performance intended for the performance of the public contract or for the provision of the goods or rights which the Supplier will be entitled to dispose of in the course of the performance of the public contract, at least to the extent that the third party has demonstrated the eligibility on behalf of the Supplier (Section 83 (1) (d) of the Act) (if applicable);
 - d. Documents attesting the qualification requirements;
 - e. The completed form “Absolute (minimum) technical requirements” included in Annex No. 3 to this tender documentation;
 - f. The specification of the offered device to demonstrate the fulfilment of the absolute (minimum) parameters;
 - g. The Contracting Authority recommends enclosing the official technical specifications of the manufacturer in relation to the required parameters;
 - h. Any other mandatory documents, acts and declarations required by law or the Contracting Authority in this tender documentation;
- 13.5. The Contracting Authority shall take into consideration the data and documents which have not been specified as the mandatory content of the tender bid under the previous provision only in the case when verifying the data and documents mandatorily submitted under Section 39 (5), sentence two of the Act.
- 13.6. In the event of a change in the information provided in the tender bid until the conclusion of the contract with the selected Supplier, the selected Supplier is obliged to inform the Contracting Authority in writing without delay.
- 13.7. If the tenderer signs the documents in the tender bid or the tender bit itself, they must be signed by the person authorised to act on behalf of the tenderer.
- 13.8. **Other requirements of the Contracting Authority concerning the tender bid**
- 13.8.1. Under Section 107 (3) of the Act, the Supplier may submit only one tender bid in the tender procedure. Under Section 107 (4) of the Act, the Supplier who submitted a bit within a tender procedure may not at the same time be a person by means of whom any other Supplier demonstrates meeting the eligibility criteria in the same tender procedure.

13.8.2. Pursuant to Section 107 (5) of the Act, the Contracting Authority shall exclude the tenderer who submitted multiple tender bids separately or jointly with other suppliers or submitted a tender bid and at the same time is a person by means of whom any other Supplier demonstrates meeting the eligibility criteria in the same tender procedure.

13.9. Requirements of the joint tender bid

13.9.1. A joint tender bid means a tender bid jointly submitted by multiple suppliers. In such a case, the suppliers submitting a joint tender bid shall be deemed as one tenderer.

13.9.2. In the event that the public contract is to be performed jointly by multiple suppliers, they are required to submit to the Contracting Authority an agreement containing the commitment that all these suppliers will be bound jointly and severally in relation to the Contracting Authority and any other third parties with respect to any legal relationships established in association with the public contract for the whole performance term of the public contract, as well as for the duration of any other duties and obligations arising out of the public contract.

14. TERM AND PLACE FOR SUBMITTING THE TENDER BIDS

14.1. The time limit for submitting the tender bids and the date of opening the tender bids are specified in the notice of opening the tender procedure in the Public Procurement Bulletin.

14.2. The tender bid in the electronic form shall be submitted through the certified electronic tool for submitting public contracts available at <https://www.tenderarena.cz/profil/zakazka/detail.jsf?id=260942>, using the functionality (button) "Submit a tender bid" in the Tender Bids section.

All the terms and information concerning the electronic tool are available at:

<https://www.tenderarena.cz/profily/PRFUK>

The decisive date is deemed as the moment of receiving the data message at the electronic address of the recipient or recipients of the data message in the electronic tool.

14.3. Opening the tender bids is not public.

14.4. The tender bid in the electronic form shall not exceed the size of 200 MB, out of which up to 100 MB for the documents demonstrating the compliance with the eligibility criteria and up to 100 MB for the other documents of the tender bid. The tender bid must be drafted using the acceptable file formats i.e. Microsoft Office (Word, Excel), Open Office, PDF, JPEG, GIF, or PNG. The bid prices as specified in this tender documentation will also be submitted by the Tenderer by completing the tender bid form, which will be displayed when submitting the tender bid in the electronic form. This is without prejudice to the obligation to submit other tender documents containing the tender price.

The Contracting Authority shall provide detailed information on the submission of tender bids in the electronic form:

a) For the purposes of submitting the tender bid in the electronic form, the certified electronic tool eGORDION v. 3.3 - Tender arena (hereinafter only as the "Tender Arena") will be used, available at www.tenderarena.cz, which also offers detailed instructions for use (using the "Help" link in the footer) and contact details of the user support.

b) In order to submit a tender bid, the Tenderer must be equipped with a personal computer with the minimum performance as follows: 1 GHz CPU frequency, 1024 MB RAM, and 20 GB hard drive; the personal computer must be connected to the Internet at a minimum connection speed of 2 Mbps (DOWNLOAD) / 512 Kbps (UPLOAD); the Tenderer is required to have an Internet browser installed (Microsoft Internet Explorer version 9.0 or later or Mozilla Firefox version 30.0 or later higher) with Java SW version 1.8 or higher installed.

c) In order to be able to submit a tender bid, the Tenderer needs to be registered as a Supplier in the Tender Area electronic tool (link "Supplier's registration at www.tenderarena.cz) and the Supplier's user is required to act as the "tenderer" in order to submit a tender bid. The registration does not take more than 48 hours (on business days) upon submitting all the required documents and is provided free of charge.

d) If a request for signature of specific documents is specified in this tender documentation while not accepting the replacement of the document by a simple copy or scan, the individual documents constituting the content of the tender bid which need to be signed by a person authorised on behalf of the tenderer must be provided with an electronic signature based on a qualified certificate in accordance with Act No. 297/2016 Coll., on Trust Services for Electronic Transactions, as amended.

e) The Contracting Authority shall not be liable for the technical conditions of the Tenderer. The Contracting Authority recommends that Tenderers take into account, in particular, the speed of their Internet connection when submitting tender bids so that they are submitted within the time limit for the submission of tender bids (submission of the tender bid means the final submission of the tender bid to the tool after the uploading of all annexes).

15. COMMUNICATION BETWEEN THE CONTRACTING AUTHORITY AND THE SUPPLIER

15.1. When communicating between the Contracting Authority and the suppliers, the confidentiality of the tender bids and the completeness of the data contained therein must not be compromised. The Contracting Authority must not be allowed access to the content of tender bids before the deadline set for their submission.

15.2. Written communication between a contracting authority and an economic operator shall be carried out by electronic means. Details of the communication between the Contracting Authority and the suppliers are contained in Section 211 of the Act.

- 15.3. The Contracting Authority specifies that the communication between the Supplier and the Contracting Authority will take place in Czech or English, both in the course of the tender procedure, and in the course of the performance of the subject of the public contract on the basis of the concluded contract.

16. OTHER RIGHTS, REQUIREMENTS AND TERMS OF THE CONTRACTING AUTHORITY

- 16.1 The notice of opening the tender procedure for the public contract and the tender documentation including all the annexes are complementary and they need to be interpreted in the mutual context, while the notice of opening the tender procedure takes the application precedence. The tender terms and conditions are binding upon the tenderer.
- 16.2 Any time limits in this tender documentation are provided at the local time in the Czech Republic.
- 16.3 Upon submitting a tender bid in this tender procedure, the tenderer hereby acknowledges and accepts fully and without reserve the tender terms of this public contract, including any possible additional explanations of the tender documentation or amendments to and completions of the tender documentation made in accordance with the Act. Failure to accept the Contracting Authority's requirements specified in this tender documentation (except for the purely formal requirements) shall be deemed as failure to comply with the tender terms, resulting in excluding the tenderer from the procedure.
- 16.4 The Contracting Authority recommends that the Tenderer should indicate confidential information and trade secrets already when submitting the tender bid, otherwise the Tenderer will be at risk that the Contracting Authority will not be aware of their rights in a timely manner.
- 16.5 The Contracting Authority shall not reimburse the costs incurred by the Tenderer in association with participation in the tender procedure.
- 16.6 The Contracting Authority reserves the right to verify the information contained in the Supplier's tender bid with third parties (e.g. the manufacturer, experts, or expert witnesses) and the Supplier is obliged to provide all the necessary cooperation in this respect. The Contracting Authority will exclude the Supplier from the tender procedure if the Supplier provides false information in their tender bid.

ANNEXES

The following annexed form an integral part of this tender documentation:

Annex No. 1 – Cover Sheet Template

Annex No. 2 – Binding Draft Contract

Annex No. 3 – Specification of the Subject Matter of the Performance and Technical Requirements of the Contracting Authority

Annex No. 4 – Set of Template Documents Attesting the Qualification Requirements

In Prague on 8.8.2019

prof. RNDr. Jiří Zima, CSc.

Dean of the Faculty of Science, Charles University

COVER SHEET OF THE TENDER BID			
Name	Server with high storage capacity		
Contracting Authority:			
Name:	Charles University, Faculty of Science		
Registered office:	Albertov 2038/6, Prague 2 – Nové Město, post code 128 00		
ID No.:	002 16 208		
Represented by:	prof. RNDr. Jiří Zima, CSc., Dean		
Supplier:			
Name:	[To be completed by the Supplier]		
Registered office:	[To be completed by the Supplier]		
ID No.:	[To be completed by the Supplier]	VAT No.:	[To be completed by the Supplier]
Representative(s) of the Supplier:	[To be completed by the Supplier]		
Tender bid in EUR excl. VAT	[To be completed by the Supplier]		
<p>The Supplier hereby declares that the tender bid is not submitted by the company in which the public official specified in Section 2 (1) (c) of Act No. 159/2006 Coll., on the Conflict of Interests, as amended, or a person under their control owns a stake representing at least 25% of the associate's participation in the company, even as a subcontractor through which the Supplier demonstrates meeting the eligibility criteria.</p>			
<p>The Supplier is a small or medium enterprise: YES - NO*</p> <p>* [The appropriate option to be selected by the Supplier]</p>			
<p>The Supplier hereby declares that he fully agrees with the contractual terms specified in the draft contract which forms Annex No. 2 to the tender documentation (the draft contract does not need to be submitted within the tender bid), whereas the Supplier shall complete the contract with the following information prior to its conclusion:</p> <ul style="list-style-type: none"> - Identification data of the Supplier and of the Part A of the contract; - The tender bid specified in this Cover Sheet; - Annexes under Art. 13.4 (e) and (f) of the tender documentation. 			
<p>The Supplier is not in the conflict of interests in relation to Section 124 (3) of Act No. 134/2016 Coll., on Public Procurement: YES, the supplier is not – NO, the Supplier is in the conflict of interests*</p> <p>* [The appropriate option to be selected by the Supplier]</p>			

Place and date of completion	[To be completed by the Supplier] ¹
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¹ It is sufficient for the Contracting Authority to sign the declaration electronically, i.e. the tenderer will submit a bit into the electronic tool <https://www.tenderarena.cz/profily/PRFUK> under their name and password.

Annex No. 2 to the Tender Documentation
Binding Draft Contract
(forms a separate document)

Specification of the Subject Matter of the Performance and the Technical Requirement of the Contracting Authority

For the purposes of performing the public contract entitled “Server with high storage capacity”, the Contracting Authority has set forth the below absolute (minimum) technical requirements. For the basic device description, see Section 2.1 of the tender documentation.

If the Tenderer fails to comply with any of these absolute (minimum) technical requirements and fails to offer an equivalent or better solution, they will be excluded from the tender procedure. Compliance with these parameters will also be required by the Contracting Authority with the demonstration of functionality.

The Tenderer shall complete all the rows of the table below according to the solution on offer.

In addition to demonstrating the compliance with the minimum requirements, the Tenderer shall provide a detailed description of their solution proposal (i.e. the technical specifications of the performance and the specification of the device parameters) so that the subject matter of the tender bid is definite. The description of the solution will form Annex No. 2 to the draft contract.

In addition, the Contracting Authority also emphasises the tender procedure condition that the offered solution must have better or equivalent parameters as the parameters required below in the absolute (minimum) technical requirements.

The Contracting Authority sets the absolute (minimum) technical requirements as follows:

Absolute (minimum) technical requirements			
Server with high storage capacity			
	Name of the technical parameter including the required upper / lower limits	Met by the Supplier YES/NO	Possible specification of the offered product²
1.	<p>Application</p> <ul style="list-style-type: none"> • Data recording from up to 13 microscopes guaranteed • Optimized CPU, GPU and RAM tested configuration according to requirements of listed software (SW will be supplied by the Contracting Authority): <ul style="list-style-type: none"> a. FIJI, ImageJ b. Zeiss ZEN black and blue c. Zeiss ZEN browser d. Leica LAS X e. NIS elements f. Olympus scanR analysis software g. ARIVIS software h. IMARIS software i. Matlab with image analysis bundles j. R statistical software k. SVI Huygens l. OMERO server (in virtual machine) m. other image analysis and processing software, at least 3 of thisKNIME, CellProfiler, Vision4D, Vaa3D, Amira, Microvolution, ICY, CSBDeep n. hardware and software virtualization support o. other Python and JAVA based applications for scientific computation and AI 	[To be completed by the Supplier]	[To be completed by the Supplier]

² The Supplier will provide the parameter specification in a separate chapter of the tender bid.

	<ul style="list-style-type: none"> • Dongle server functionality for at least 10 USB hardware dongles. Could be separate HW connected to the server or network. • Permanent streaming and data saving of at least two sCMOS camera systems (2048x2048 pixel, full frame, 100 fps, cca 420MB per second) • 3D RDP functionality for ARIVIS and IMARIS 		
2.	<p>Service and maintenance</p> <ul style="list-style-type: none"> • System control software to display systems status in single software • Possibility to configure user authentication via Perun/CAS system • Limit user accounts in time (expire) • Limit user projects in time (expire) • E-Mail notification for creating users, projects and passwords • E-Mail notification in case of hardware errors, overheating, volume limitations • E-Mail notifications when project responsible person changed • On site installation • On site and remote support to connect local microscopes 	[To be completed by the Supplier]	[To be completed by the Supplier]
3.	<p>Technical</p> <ul style="list-style-type: none"> • Easy and modular storage expansion from 10 TB to 1 PB • Designed for working in not air-conditioned rooms • Less than 35 Ws/TFLPOP (single precision) • Multi user server operating system preinstalled and configured for applications 	[To be completed by the Supplier]	[To be completed by the Supplier]

	<ul style="list-style-type: none"> • Noise level according VDI Guideline 2058 suitable for Office Environments, ~50 db under heavy load • Size of all server modules / components together must not exceed 61x64x81 cm (width x depth x height) so it can easily fit under the office table. • Total amount of RAM 1TB or more, DDR4-2666 or better • min. 2xCPU with at least of 10 cores with base frequency min. 2,2 GHz, cache at least L3 13 MB/min. • min. 2x graphic card with GPU with min. 3000 parallel processing cores, min. 384 Tensor cores, min. 48 RT cores, GPU memory min. 16 GB GDDR6 • UPS uninterruptible power supply: <ul style="list-style-type: none"> a. capacity of min. 1500 VA / 1500 Watts b. output voltage: 220 ± 5% / 230 ± 5% / 240 ± 5% c. Battery Wave Form: Pure Sine Wave d. min. 10 outlets e. runtime at half load min. 18,6 minutes f. runtime at full load min. 6 minutes g. recharge time max. 3 hours. h. Active PFC Compatibility i. PS Topology: Line-interactive • Networking module with at least 3 optical connectors for two streaming cameras and one outside network connection to the first router. It have to maintain at least 11 other 10 Gbit LAN connectors and one at least 1 Gbit connection for outside communication. It needs to be protected by HW firewall which can be optionally setup as router and DHCP server. <p>Specifications:</p> <ul style="list-style-type: none"> a. WAN port 2x GbE RJ-45 b. LAN port 4x GbE RJ-45 		
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	<ul style="list-style-type: none"> c. NAT Throughput 900 Mbps d. IPsec VPN performance 600 Mbps (AES 256 bits) e. SSL VPN performance 90 Mbps f. NAT sessions 80 000 g. Max. concurrent VPN Tunnels 200 h. Max. Concurrent OpenVPN+SSL VPN 50 i. internet connection IPv4: PPPoE, DHCP, Static IP, PPTP/L2TP j. internet connection IPv6: Link Local, Static PPP, DHCP IA NA, DHCP IA PD k. Outbound load balancing: IP-based, Session-based l. DHCP Server: Multiple IP Subnet, Custom DHCP Options, Bind-IP-to-MAC m. Static routing: IPv4 Static Routing, IPv6 Static Routing, Inter-VLAN Routing n. Dynamic Routing: RIPv2, OSPFv2, BGP o. Policy-based Routing: Protocol, IP Address, Port, Domain, Country p. High availability: Active-standby, Hot-standby q. DNS Security (DNSSEC) r. GVRP s. Proxy: IGMP, LAN ARP, WAN ARP t. SMB File Sharing support u. NAT: Port Redirection, Open Ports, Port Triggering, DMZ Host, UpnP v. ALG (Application Layer Gateway): SIP, RTSP, FTP, H.323 w. VPN Pass-Through: PPTP, L2TP, Ipsec x. IP-based Firewall Policy y. Content Filtering: Application, URL, DNS Keyword, Web Features, Web Category, QQ Filter z. DoS Attack Defense 		
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	<ul style="list-style-type: none"> • VPN based Remote Access (VPN/RDP/VNC) • OS and Filesystem optimized for handling data in typically sizes of 8 MB or 12 MB with at least 800 MB/s over network • Expandable up to 12 double sized GPUs • Hardware RAID 6 with up to 8 GB Cache (6 GB/s) in total volume at least 100 TB and at least one spare HDD for quick exchange on failure. • Hardware SSD RAID 5 in total volume at least of 10 TB serving for pagefile and temporal storage • IP67 certificated industrial Fans for long term duty to reach minimal noise level and operability in common office room temperature. • Additional PCIe optical LAN card for connection between server and computer which operates cameras on lightsheet microscope. 		
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Statutory Declaration on Meeting the Basic and Professional Eligibility

Name of the public contract: [To be completed by the Tenderer]

I, the undersigned statutory body, hereby declare that the Supplier *(company or name including the legal form, or name and surname, registered office or place of business, and company ID No.):*

1. **Has complied with the basic eligibility under Section 74 (1) of Act No. 134/2016 Coll.**, on Public Procurement (hereinafter only as the “Act”), as he is not the Supplier:
 - a. Which has been in the country of its registered office, in the last 5 years prior to commencing the tender procedure, finally convicted of a criminal offence specified in Annex No. 3 to the Act or any similar criminal offence under the laws of the country of the Supplier’s registered office; any effaced conviction shall be disregarded;
 - b. Which has any tax arrears due in the Czech Republic or in the country of its registered office;
 - c. Which has any arrears on the insurance premiums or penalty on the public health insurance due in the Czech Republic or in the country of its registered office;
 - d. Which has any arrears on the insurance premiums or penalty on the social security and contributions to the national employment policy due in the Czech Republic or in the country of its registered office;
 - e. Which is in bankruptcy under Section 187 of Act No. 89/2012 Coll., Civil Code, or is not in a similar situation under the laws of the registered office of the Supplier;
 - f. Against which a bankruptcy decision was issued under Section 136 of Act No. 182/2006 Coll., on Bankruptcy and its Settlement Methods, or is not in a similar situation under the laws of the registered office of the Supplier;
 - g. Against which a forced administration has been ordered under another legal regulation, or is not in a similar situation under the laws of the registered office of the Supplier;

Whereas I hereby declare and represent that the above basic eligibility under Section 74 (1) (a) has also been complied with by the persons specified in Section 74 (2) and (3) of the Act;

2. **Has complied with the professional eligibility under Section 77 (1) of the Act**, as he is the Supplier registered in the Commercial Register or any similar register.

The Supplier agrees that the Contracting Authority obtains an extract from the list of Qualified Suppliers or an extract from the Commercial Register by herself/himself.

In _____ on _____³

³ It is sufficient for the Contracting Authority to sign the declaration electronically, i.e. the tenderer will submit a bit into the electronic tool <https://www.tenderarena.cz/profily/PRFUK> under their name and password.

Certificate of Compliance with Technical Eligibility

Name of the public contract:

[To be completed by the Tenderer]

List of significant Supplier's deliveries completed in the last 3 years

(Company or name including the legal form or name and surname, the registered office or place of business and the company ID number):

Number		Significant delivery No. 1	Significant delivery No. 2
1.	Client		
2.	Name of the significant delivery		
3.	Delivery subject according to the technical eligibility specified in Art. 6 of the Tender Documentation		
4.	Price of the delivery in EUR (excl. VAT)		
5.	If the performance subject included multiple deliveries or services, indicate the price for the performance subject specified in the technical eligibility in Art. 6 of the Tender Documentation		
6.	Performance term From – to		

Optional specification data

7.	Contact of the client issuing the certificate		
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In _____ on _____⁴

⁴ It is sufficient for the Contracting Authority to sign the declaration electronically, i.e. the tenderer will submit a bit into the electronic tool <https://www.tenderarena.cz/profily/PRFUK> under their name and password.