

Germany-Ilmenau: Optical instruments
OJ S 32/2020 14/02/2020
Contract award notice
Supplies

Legal Basis:

Directive 2014/24/EU

Section I: Contracting authority

I.1. Name and addresses

Official name: TU-Ilmenau, DF, SG Beschaffung

Postal address: Max-Planck-Ring 14

Town: Ilmenau

NUTS code: DEG0F Ilm-Kreis

Postal code: 98693

Country: Germany

E-mail: Beschaffung@tu-ilmenau.de

Internet address(es):

Main address: <http://www.tu-ilmenau.de>

I.4. Type of the contracting authority

Body governed by public law

I.5. Main activity

Education

Section II: Object

II.1. Scope of the procurement

II.1.1. Title

Kamerasysteme (5 Lose)

Reference number: TU-143/19-21-EI

II.1.2. Main CPV code

38600000 Optical instruments

II.1.3. Type of contract

Supplies

II.1.4. Short description

In dem Aktuellen Forschungsvorhaben „CYTEMEX – Cyberphysische Telepräsenzsysteme zur Erforschung der Mensch-zu-X-Kommunikation“ ist beabsichtigt, das bestehende Portfolio an Kamerasystemen zu erweitern.

Zur Erfassung von Personen, deren Interaktionen mit anderen Personen oder Gegenständen ist es erforderlich verschiedene Kamerasysteme im Telepräsenzsystem zu verwenden. Dabei sind etwa Informationen über die Person im Raum erforderlich.

II.1.6. Information about lots

This contract is divided into lots: yes

II.1.7. Total value of the procurement

Value excluding VAT: 33 291,97 EUR

II.2. Description

II.2.1. Title

8x Tiefenkameras

Lot No: 1

II.2.2. Additional CPV code(s)

38650000 Photographic equipment

II.2.3. Place of performance

NUTS code: DEG0F Ilm-Kreis

Main site or place of performance: Ilmenau

II.2.4. Description of the procurement

1) Spezifikation:

— minimale Tiefenauflösung: 1 280 x 720 @ 60 fps, Mindest-DFOV: 70o,

— sichtbare Video Auflösung: min. 640 x 480 bei min. 90 FPS,

— farbiges Video,

— min. USB 3.0,

— messbare Tiefendistanz: min. bis zu 10 m,

— Multiplattformsupport (min. Linux und Windows).

2) Zubehör:

— Stativ.

II.2.5. Award criteria

Quality criterion - Name: Technische Spezifikation / Weighting: 40

Quality criterion - Name: Garantiedauer und Support / Weighting: 15

Quality criterion - Name: Lieferzeit / Weighting: 5

Price - Weighting: 40

II.2.11. Information about options

Options: no

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
yes

Identification of the project: 2018 FGI 0019

II.2.14. Additional information

II.2. Description

II.2.1. Title

360o HFR Kamera

Lot No: 2

II.2.2. Additional CPV code(s)

38651500 Cinematographic cameras

II.2.3. Place of performance

NUTS code: DEG0F Ilm-Kreis

Main site or place of performance: Ilmenau

II.2.4. Description of the procurement

1) Spezifikation

- ISO Bereich 100-3200,
- Videoauflösung und Framerate:
 - min. 6K x 6K @ 50 fps,
 - min. 6K x 6K @ 30 fps,
 - min. 4K x 4K @ 120 fps,
 - min. 4K x 4K @ 80 fps.

2) Zubehör

- Stativ,
- Stitching Software,
- Zusatzbatterie und Ladestation inkl. Batterieabdeckung,
- Micro SD SDHC/SDXC Karten (Anzahl so viele, dass 360o Videos mit der Kamera aufgenommen werden können),
- Übliche Kabel- und Adapter,
- Tragekoffer,
- Lüfter zur Kühlung,
- WiFi Power Pack,
- Accessories Kit.

(Vorgeschlagene Produkte: 1 x Kandao Obsidian S inkl. Zubehör für alle vorgeschlagenen Produkte gilt: oder gleichwertig.).

II.2.5. Award criteria

Quality criterion - Name: Technische Spezifikation / Weighting: 55

Quality criterion - Name: Garantiedauer und Support / Weighting: 10

Quality criterion - Name: Lieferzeit / Weighting: 5

Price - Weighting: 30

II.2.11. Information about options

Options: no

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
yes

Identification of the project: 2018 FGI 0019

II.2.14. Additional information

II.2. Description

II.2.1. Title

10 x Webcams

Lot No: 3

II.2.2. Additional CPV code(s)

30237240 Web camera

II.2.3. Place of performance

NUTS code: DEG0F Ilm-Kreis

Main site or place of performance: Ilmenau

II.2.4. Description of the procurement

1) Spezifikation:

- min. Auflösung 4 096 x 2 [160@30fps](#),
- Autofokus,
- 90o FOV,
- 5x digitaler Zoom,
- USB 3.0,
- integriertes Mikrofon.

2) Zubehör:

- Wandhalterung.

II.2.5. Award criteria

Quality criterion - Name: Technische Spezifikation / Weighting: 50

Quality criterion - Name: Garantiedauer und Support / Weighting: 10

Quality criterion - Name: Lieferzeit / Weighting: 5

Price - Weighting: 35

II.2.11. Information about options

Options: no

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
yes

Identification of the project: 2018 FGI 0019

II.2.14. Additional information

II.2. Description

II.2.1. Title

Room-scale Motioncapturing

Lot No: 4

II.2.2. Additional CPV code(s)

38600000 Optical instruments

II.2.3. Place of performance

NUTS code: DEG0F Ilm-Kreis

Main site or place of performance: Ilmenau

II.2.4. Description of the procurement

1) Spezifikation

- Erweiterung eines Bestandsystems von Optitrack (PoE). Benötigt wird auch die Netzwerkinfrastruktur (1 x PoE+ Switch und 1 x Uplink Switch für Sterntopologie; der PoE+ Switch sowie der Uplink Switch müssen mit einem Cisco Systems SG300 – 10 MPP kompatibel sein),
- 4 x Weitwinkelkameras (min 70o vertikales FOV) inkl. Wandhalterungen und ca. 4 x 15 m Kabel,
- Framerate mindestens 240fps,
- Softwarelizenz für Ganzkörpertracking,
- Marker-Zubehör zum Ganzkörpertracking,
- PoE-Betrieb (Vorgeschlagene Produkte),
- Optitrack Motive: Body (inkl. Hardwarekey),
- Optitrack Prime 13W,
- MotionCapture Suit S-XL, Foot Wrap und MarkerSet,

— als zweiter PoE+ Switch: Cisco Systems SG300 – 10 MPP 10-Port Gigabit Max (o. ä.).
Für alle vorgeschlagenen Produkte gilt: oder gleichwertig.).

II.2.5. Award criteria

Quality criterion - Name: Technische Spezifikation / Weighting: 50

Quality criterion - Name: Garantiedauer und Support / Weighting: 10

Quality criterion - Name: Lieferzeit / Weighting: 10

Price - Weighting: 30

II.2.11. Information about options

Options: no

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
yes

Identification of the project: 2018 FGI 0019

II.2.14. Additional information

II.2. Description

II.2.1. Title

Multi-Room-Motiontracking

Lot No: 5

II.2.2. Additional CPV code(s)

38600000 Optical instruments

II.2.3. Place of performance

NUTS code: DEG0F Ilm-Kreis

Main site or place of performance: Ilmenau

II.2.4. Description of the procurement

1) Spezifikation:

— Flexibles und rekonfigurierbares System zur Erfassung von Posen-, Positions- und Bewegungsdaten (markerless) via Tiefenkameras (RGB-D) in mindestens zwei verbundenen Räumen (ca. 6 x 6 x 2 m); Dafür werden wünschenswerterweise 10 Tiefenkameras benötigt (pro Raum 4 und 2 für die Verbindung zwischen den Räumen wie z. B. Gang oder Tür) – weniger ist möglich (min. 4 Kameras, d. h. 2 pro Typ).

— Integration von Audiodaten zur räumlichen Lokalisation wünschenswert,

— System soll aus unterschiedlicher gängiger RGBD-Sensorik bestehen; minimale Tiefenauflösung: 1280 x 720 @ 60 FPS, Mindest-DFOV: 70o),

— Hardware (Kabel/Stative/Wandhalterung) zum flexiblen, ortsunabhängigen und/oder mobilen Betrieb der Sensorik,

— keine Software notwendig,

— mobile Endgeräte die mindestens alle Mindestanforderungen der Sensorik erfüllt,

— Hardware zur parallelen Installation und Nutzung der Sensoren über entweder aktive USB3.0-Verlängerungskabel oder Thin-Clients (z.b. Smartphones/Tablets)

(Vorgeschlagene Produkte:

—— Multimodale Sensorik:

—— 2 x Structure Core,

—— 2 x Microsoft Azure,

—— 2 x Mine Eye D-1000-120 FOV,

—— 2 x Mint Eye D -1000 -50 FOV,
—— 2 x Stereolabs ZED,
—— (alternative Kombinationen von Tiefenkameras je nach Marktlage möglich – es ist jedoch wünschenswert, unterschiedliche Geräte im Paket zu haben.).
—— Betrieb der Kameras:
—— 2 x Pixel 4,
—— 2 x Surface Book 2 mit NVIDIA GeForce 1060 GTX und i7,
—— 4 x 5-10 m aktive USB Verlängerung.
Für alle vorgeschlagenen Produkte gilt: oder gleichwertig.)

II.2.5. Award criteria

Quality criterion - Name: Technische Spezifikation / Weighting: 50

Quality criterion - Name: Garantiedauer / Weighting: 10

Quality criterion - Name: Lieferzeit / Weighting: 10

Price - Weighting: 30

II.2.11. Information about options

Options: no

II.2.13. Information about European Union funds

The procurement is related to a project and/or programme financed by European Union funds:
yes

Identification of the project: 2018 FGI 0019

II.2.14. Additional information

Section IV: Procedure

IV.1. Description

IV.1.1. Type of procedure

Open procedure

IV.1.3. Information about a framework agreement or a dynamic purchasing system

IV.1.8. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: yes

IV.2. Administrative information

IV.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2019/S 226-553482](#)

IV.2.8. Information about termination of dynamic purchasing system

IV.2.9. Information about termination of call for competition in the form of a prior information notice

Section V: Award of contract

Contract No: TU-143/19-21-EI

Lot No: 1

Title:

8x Tiefenkameras

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

10/02/2020

V.2.2. Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 1

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: Tardex GmbH

Town: Berlin

NUTS code: DE300 Berlin

Country: Germany

The contractor is an SME: yes

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 7 255,60 EUR

V.2.5. Information about subcontracting

Section V: Award of contract

Contract No: TU-143/19-21-EI

Lot No: 2

Title:

360o HFR Kamera

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

10/02/2020

V.2.2. Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 1

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: Tardex GmbH

Town: Berlin
NUTS code: DE300 Berlin
Country: Germany
The contractor is an SME: yes

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 7 672,17 EUR

V.2.5. Information about subcontracting

Section V: Award of contract

Contract No: TU-143/19-21-EI

Lot No: 3

Title:

10x Webcams

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

10/02/2020

V.2.2. Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 1

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 1

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: Tardex GmbH

Town: Berlin

NUTS code: DE300 Berlin

Country: Germany

The contractor is an SME: yes

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 2 067,00 EUR

V.2.5. Information about subcontracting

Section V: Award of contract

Contract No: TU-143/19-21-EI

Lot No: 4

Title:

Room-scale Motioncapturing

A contract/lot is awarded: yes

V.2. Award of contract

V.2.1. Date of conclusion of the contract

10/02/2020

V.2.2. Information about tenders

Number of tenders received: 2

Number of tenders received from SMEs: 2

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 0

Number of tenders received by electronic means: 2

The contract has been awarded to a group of economic operators: no

V.2.3. Name and address of the contractor

Official name: EST Engineering Systems Technologies GmbH &Co.KG

Town: Kaiserslautern

NUTS code: DEB32 Kaiserslautern, Kreisfreie Stadt

Country: Germany

The contractor is an SME: yes

V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 16 297,20 EUR

V.2.5. Information about subcontracting

Section V: Award of contract

Contract No: TU-143/19-21-EI

Lot No: 5

Title:

Multi-Room-Motiontracking

A contract/lot is awarded: no

V.1. Information on non-award

The contract/lot is not awarded

No tenders or requests to participate were received or all were rejected

Section VI: Complementary information

VI.3. Additional information

Die Vergabeunterlagen stehen ausschließlich elektronisch unter der im Abschnitt I.3) dieser Bekanntmachung/ Kommunikation angegebenen Internet-Adresse kostenfrei zur Verfügung. Ein Anwendersupport für Bieter steht unter der Rufnummer: 0351/4203-1422 zur Verfügung. Hinweis zum Ausfüllen der EEE: Dienst zum Ausfüllen und Wiederverwenden der EEE unter dem Link:<https://eee.evergabe-online.de/espd/> Im nächsten Schritt „Ich bin ein Wirtschaftsteilnehmer“ anklicken und dann die Option „eine Antwort erstellen“ anklicken. Dann kann die EEE ausgefüllt und im gleichen Format (xml) Sowie als PDF-Datei exportiert/ gespeichert werden.

Zusätzlich zu den in Abschnitt III dieser Bekanntmachung notwendigen Angaben sind die Teile I-III der EEE auszufüllen.

VI.4. Procedures for review

VI.4.1. Review body

Official name: Vergabekammer beim Thüringer Landesverwaltungsamt

Postal address: Jorge-Semprún-Platz

Town: Weimar

Postal code: 99423

Country: Germany

Telephone: +49 361-37700

Fax: +49 361-573321059

VI.4.3. Review procedure

Precise information on deadline(s) for review procedures:

Entsprechend der Regelungen gemäß § 160 GWB

VI.4.4. Service from which information about the review procedure may be obtained

Official name: TU-Ilmenau, DF, SG Beschaffung

Postal address: Max-Planck-Ring 14

Town: Ilmenau

Postal code: 98693

Country: Germany

Internet address: <http://www.tu-ilmenau.de>

VI.5. Date of dispatch of this notice

12/02/2020