

## **Section II: Schedule of Requirements**

**eSourcing reference: ITB/2022/39277**

**Provision of photo, video and IT equipment for the National Police of Ukraine (UNOPS-PRAVO2-2022-G-001)**

## A. Summary of Requirements

UNOPS requirements refer to the provision of photo, video and IT equipment for the National Police of Ukraine, as per the following lots:

### LOT 1: Photo and video equipment

### LOT 2: PC Workstations with monitors

## B. Technical specifications for Goods and Comparative Data Table

### LOT 1: Photo and video equipment

Item No	UNOPS minimum technical requirements	Quantity
1.	<b>Sets of permanent studio light</b> Type: LED monoblock Features constructive elements: built-in display, active cooling Power: 100-150 W Colour temperature: 3200/5600 k Power regulation: 10%-100% Luminous flux: 10000 lm Kit includes: Rack 2 m, Softbox 80*80	8
2.	<b>Camera light</b> Luminance: Adjustable min 1900 Lux (1 m.), min 640 Lux (2 m.) White colour temperature: Adjustable 3200K-5500K (+/- 10%) Camera mountable via Diffusion angle: min 120 ° Power supply: Battery/AC Power  Miscs: - Battery with battery charger - 1/4 universal interface camera Hot Shoe included - AC Power adapter	8
3.	<b>On-camera microphone radio system</b> (equal or equivalent to Sennheiser 112p G4-G) (8 Pcs) Microphone type: omni-directional lavalier Wireless Technology: Analog UHF Number of RF Channels: min 1000 Max Operating Range: min 100 m (Line of Sight) Receiver Type: Camera-Mount Power supply: battery or accu charged to provide operating time up to 8h Transmitter Type: Bodypack RF Output Power: 30 mW (+/- 10%) Audio output: 3.5 mm jack socket: +12 dBu (mono, unbalanced) HD, total harmonic distortion: ≤ 1 % Signal-to-noise ratio: ≥ 100 dBA Modulation: Wideband FM Intermodulation attenuation: ≥ 60 dB Receiver Principle: Adaptive diversity	8
4.	<b>Professional Camera tripod</b> Compatible with Video head Item 5	8

	Weight max 2kg Top Attachment 3/8" screw Ball Flat - Flat Safety Payload Weight up to 7 kg Closed Length not more than 65 cm Maximum Height - min 160 cm	
5.	<b>Video head</b> (equal or or equivalent to Manfrotto MVH500AH) Counterbalance System: Fixed Front Tilt: -70° / +90° Head Type: Video/Fluid Head Pan Drag: fluid cartridge with fixed drag Plate Type: 500PLONG Tilt Drag: fluid cartridge with fixed drag Center of gravity: 55 mm Panoramic Rotation: 360 °	8
6.	<b>Digital camera with lens (type A)</b> Digital Camera Type: Mirrorless Camera Image Sensor Size: 35mm Full Frame (36 x 24 mm) Effective Pixels: min 30 megapixels Video recording Resolution: min 3840 x 2160 min 8fps continuous shooting Wi-Fi Enabled: Yes Digital Zoom: min 10x ISO50 to ISO102400 to be included, Single SD card slot. Connectivity: Wi-Fi, Bluetooth Standard battery life min 350 shots Features: Dual Pixel CMOS AF, 5655 AF points Microphone Input: Yes Number Of Memory Card Slots: minimum 1 Memory Card Compatibility: Secure Digital, Secure Digital Extended Capacity (SDXC), Secure Digital High Capacity (SDHC) Output: HDMI Display Type: LCD Touch Screen: Yes  Lens: Maximum Focal Length: 105.0 millimeters Minimum Focal Length: 24.0 millimeters Maximum Aperture: 4.0 f/ Lens Miscellaneous and features: Compatible Lens Adapter for the offered camera, Image stabilisation included, ultrasonic motor	8
7.	<b>Digital camera with lens (type B)</b> Digital Camera Type: Mirrorless Camera Image Sensor Size: 35mm Full Frame (36 x 24 mm) Effective Pixels: min 30 megapixels Video recording Resolution: min 3840 x 2160 min 8fps continuous shooting Wi-Fi Enabled: Yes ISO range to be included - ISO50 to ISO102400,	1

	Connectivity: Wi-Fi, Bluetooth Standard battery life min 350 shots Features: Dual Pixel CMOS AF, 5655 AF points Microphone Input: Yes Number Of Memory Card Slots: minimum 1 Memory Card Compatibility: Secure Digital, Secure Digital Extended Capacity (SDXC), Secure Digital High Capacity (SDHC) Output: HDMI Display Type: LCD Touch Screen: Yes  Lens: Maximum Focal Length: 70.0 millimeters Minimum Focal Length: 200.0 millimeters Maximum Aperture: 4.0 f/ Lens Miscellaneous and features: Compatible Lens Adapter for the offered camera, Image stabilisation included, ultrasonic motor	
8.	<b>Steadicam for the camera/Gimbal</b> (equal or equivalent to DJI RS2) Number of Axes: 3-Axis (Pitch, Roll, Yaw) Rotation Range: Yaw (Pan): 360°; Pitch (Tilt): -120 to 210°; Roll: -90 to 230° Follow Speed: Pan: 360°/s; Tilt: 360°/s; Roll: 360°/s Load Capacity: 4.5 kg Ports: 2 x RSA and 3 x USB Type-C Wireless Frequency: 2.4 GHz Wireless Protocol: Bluetooth 5.0 Battery Runtime: min 11 Hours Operating Temperature: -20 to 45°C Compatibility: Compatible with cameras item 8 and item 9	8
9.	<b>Quadcopter</b> Built-in memory: 8 Gb, SD: 32 Gb Operating temperature range: 0 ° C to 40 ° C Flight time: at least 35 min Video recording: 6K 5472*3076 p30; 4K 3840*2160 p60; 2.7K 2720*1528 p120; 1080p 1920*1080 p120 ISO: Video 100-6400 (Auto), Photo – 100-12800 (Auto) Maximum range of the remote control: 9 km Equipment: Gyroscope, GPS, Memory card support – MicroSD Flight height : 500 m"	1

## LOT 2: PC Workstations with monitors

Ite m No	UNOPS minimum technical requirements	Quantity
1.	<b>PC workstation</b> Body (dust/noise protection), Power unit 1000W , Processor INTEL Core™ i7 12700K s1700, 12 cores, 20 threads, 3.6 GHz, 5.0 GHz, Cooling CoolerMaster, Motherboard ASUS Z690-PLUS or equivalent, 128 gb DDR4 3200 MHz, SSD NVMe M2 500 Gb , SSD NVMe M2 1000Gb, GeForce RTX 3090 24GB GDDR6X or equivalent	9

2.	<b>Monitor</b> Monitor 27" IPS, 3840 x 2160, 60 Hz, 16:9, 350 cd/m2, 1000:1, max. 140 W, 1 x HDMI, 4 x USB 3.0, 1 x USB Type-C, 1 x DisplayPort, 1 x 3.5mm Mini-Jack, screen Swivel, screen Pivot, tilt adjustment	<b>9</b>
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### C. Delivery requirements and Comparative Data Table

UNOPS Requirements	
<b>Delivery time</b>	Bidder shall deliver the goods maximum <b>three months</b> after the Contract signature.
<b>Delivery place and Incoterms rules</b>	DAP, 8 addresses in Ukraine, in accordance with the attached Delivery List
<b>Consignee details</b>	In accordance with the attached Delivery List
<b>UNOPS Right to vary requirements</b>	At the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed +/- 20%] , without any change in the unit prices or other terms and conditions of the ITB.

### D. Inspections and tests

UNOPS or its representative reserves the right to inspect and/or test any or all item of the goods to confirm their conformity to the contract, prior to dispatch from the manufacturer's premises. Such inspection and clearance will not prejudice the right of the consignee to inspect and test the goods on receipt at destination.

If the goods fail to meet the laid down specifications, the supplier shall take immediate steps to remedy the deficiency or replace the defective goods to the satisfaction of the purchaser.]