



**REPUBLIKA E SHQIPËRISË  
BASHKIA SHKODËR**

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**SPECIFIKIME TEKNIKE  
Blerje Pajisje TIK**

**1. APARAT FOTOGRAFIK PROFESIONAL (COPE 1)**

*Imaging*

Lens Mount RF

Sensor Resolution Actual: 47.1 Megapixel

Effective: 45 Megapixel (8192 x 5464)

Sensor Type 36 x 24 mm (Full-Frame) CMOS

Image Stabilization Sensor-Shift, 5-Axis

Built-In ND Filter None

Capture Type Stills & Video

*Exposure Control*

Shutter Type Electronic Shutter, Mechanical Focal Plane Shutter

Shutter Speed Mechanical Shutter

1/8000 to 30 Seconds

Electronic Front Curtain Shutter

1/8000 to 30 Seconds

Electronic Shutter

1/8000 to 0.5 Seconds

ISO Sensitivity Photo

100 to 51,200 in Manual Mode (Extended: 50 to 102,400)

*Photo*

100 to 51,200 in Auto Mode

*Video*

100 to 25,600 (Extended: 51,200)

Metering Method Center-Weighted Average, Evaluative, Partial, Spot

Exposure Modes Aperture Priority, Manual, Program, Shutter Priority

Exposure Compensation -3 to +3 EV (1/3, 1/2 EV Steps)

Metering Range -3 to 20 EV

White Balance 2000 to 10,000K

Presets: Auto, Cloudy, Color Temperature, Custom, Daylight, Flash, Fluorescent (White), Shade, Tungsten

Continuous Shooting Mechanical Shutter

Up to 12 fps at 45 MP for up to 180 Frames (Raw) / 350 Frames (JPEG)

*Electronic Shutter*

Up to 20 fps at 45 MP for up to 83 Frames (Raw) / 170 Frames (JPEG)

Interval Recording Yes

Self-Timer 2/10-Second Delay

*Still Image Capture*

Image Sizes 3:2 JPEG / Raw

8192 x 5464

5808 x 3872

4176 x 2784

2976 x 1984

2400 x 1600

Aspect Ratio 1:1, 3:2, 4:3, 16:9

Image File Format JPEG, Raw

Bit Depth 14-Bit

*Video Capture*

Internal Recording Modes H.265 4:2:2 10-Bit

DCI 8K (8192 x 4320) at 23.98/24.00/25/29.97 fps [680 to 1300 Mb/s]

UHD 8K (7680 x 4320) at 23.98/25/29.97 fps [680 to 1300 Mb/s]

DCI 4K (4096 x 2160) at 23.98/24.00/25/29.97/59.94/100/ fps [170 to 1880 Mb/s]

UHD 4K (3840 x 2160) at 23.98/25/29.97/50/59.94/100/ fps [170 to 1880 Mb/s]

1920 x 1080p at 23.98/25/29.97/50/59.94 fps [28 to 230 Mb/s]

H.264 4:2:0 8-Bit

DCI 8K (8192 x 4320) at 23.98/24.00/25/29.97 fps [470 to 1300 Mb/s]

UHD 8K (7680 x 4320) at 23.98/25/29.97 fps [470 to 1300 Mb/s]

DCI 4K (4096 x 2160) at 23.98/24.00/25/29.97/50/59.94/100/ fps [120 to 1880 Mb/s]

UHD 4K (3840 x 2160) at 23.98/25/29.97/50/59.94/100/ fps [120 to 1880 Mb/s]

1920 x 1080p at 23.98/25/29.97/50/59.94 fps [12 to 180 Mb/s]

Raw 12-Bit

8192 x 4320 at 23.98/24.00/25/29.97 fps [2600 Mb/s]

External Recording Modes 4:2:2 10-Bit via HDMI

DCI 4K (4096 x 2160) up to 59.94 fps

UHD 4K (3840 x 2160) up to 59.94 fps

Sensor Crop Modes Super35 / APS-C

4K

Recording Limit Up to 30 Minutes

Broadcast Output NTSC/PAL

IP Streaming Yes

Built-In Microphone Type Stereo

Audio Recording AAC Audio

LPCM Audio

### *Interface*

Media/Memory Card Slot Slot 1: CFexpress Type B

Slot 2: SD/SDHC/SDXC (UHS-II)

Video I/O 1 x Micro-HDMI Output

Audio I/O 1 x 1/8" / 3.5 mm TRS Stereo Microphone Input on Camera Body

1 x 1/8" / 3.5 mm TRS Stereo Headphone Output on Camera Body

Power I/O 1 x USB-C (5VDC at 1.5 A) Input

Other I/O 1 x USB-C (USB 3.2 / 3.1 Gen 2) Input/Output (Shared with Power Input)

1 x Control Input

Wireless 5 GHz Wi-Fi 5 (802.11ac), Bluetooth Control

App Compatible Yes

Global Positioning (GPS, GLONASS, etc.) None

### *Monitor*

Size 3.2"

Resolution 2,100,000 Dot

Display Type Free-Angle Tilting Touchscreen LCD

Secondary Display Top: Status Display

#### *Viewfinder*

Type Built-In Electronic (OLED)

Size 0.5"

Resolution 5,760,000 Dot

Eye Point 23 mm

Coverage 100%

Magnification Approx. 0.76x

Diopter Adjustment -4 to +2

#### *Focus*

Focus Type Auto and Manual Focus

Focus Mode Continuous-Servo AF, Manual Focus, Single-Servo AF

Autofocus Points Phase Detection: 1053

Autofocus Sensitivity -6 to +20 EV

#### *Flash*

Built-In Flash No

Maximum Sync Speed 1/250 Second

Flash Compensation -3 to +3 EV (1/3, 1/2 EV Steps)

Dedicated Flash System eTTL

External Flash Connection Hot Shoe, PC Terminal

#### *Environmental*

Operating Temperature 32 to 104°F / 0 to 40°C

Operating Humidity 0 to 85%

#### *General*

Battery Type 1 x LP-E6NH Rechargeable Lithium-Ion

Tripod Mounting Thread 1 x 1/4"-20 Female (Bottom)

Accessory Mount 1 x Hot Shoe Mount

Material of Construction Magnesium Alloy

Dimensions (W x H x D) 5.43 x 3.84 x 3.46" / 138 x 97.5 x 88 mm

Weight 1.62 lb / 738 g (With Battery, Recording Media)

## **2. FLASH PER APARAT FOTOGRAFIK (COPE 1)**

### *Flash Head*

Guide Number 141.08' / 43 m at ISO 100 (105 mm Position)

Coverage Full-Frame

24 to 105 mm

14 mm (with Wide-Angle Adapter)

Angle of Coverage 23.3 to 84°

114° (with Wide-Angle Adapter)

Auto Zoom Head Yes

Bounce Head 0 to +90°

Swivel Head 330°

Recycle Time Approx. 0.1 to 3.5 Seconds

Secondary Illumination None

### *Exposure Control*

Exposure Control E-TTL / E-TTL II

Flash Modes Hi-Speed Sync, Second-Curtain Sync

Power Range 1/1 to 1/64

Flash Compensation -3 to +3 EV (1/3, 1/2 EV Steps)

### *Wireless*

Wireless Operation Radio (TTL/Manual)

Up to 98.43' / 30 m

Optical Pulse (TTL/Manual)

Up to 49.21' / 15 m

Wireless Channels 15

Wireless Groups 5

### *Power*

Internal Power 4 x AA (Alkaline, NiMH)

External Power Pack Compatible No

### *General*

Mount Shoe

Off-Camera Terminal None

Dimensions (W x H x D) 2.8 x 4.5 x 3.9" / 70.5 x 113.8 x 98.2 mm

Weight 10.41 oz / 295.12 g

### **3. LENTE 24-105mm F/4 USM Lens (COPE 1)**

Focal Length 24 to 105mm

Maximum Aperture f/4

Minimum Aperture f/22

Lens Mount Canon RF

Lens Format Coverage Full-Frame

Angle of View 84° to 23° 20'

Minimum Focus Distance 1.48' / 45 cm

Maximum Magnification 0.24x

Optical Design 18 Elements in 14 Groups

Diaphragm Blades 9, Rounded

Focus Type Autofocus

Image Stabilization Yes

Filter Size 77 mm (Front)

Dimensions (ø x L) 3.29 x 4.22" / 83.5 x 107.3 mm

Length at Maximum Extension 5.94" / 151 mm

Weight 1.54 lb / 700 g

### **4. LENTE RF 70 – 200 mm F/2.8 (COPE 1)**

Focal Length 70 to 200mm

Maximum Aperture f/2.8

Minimum Aperture f/32

Lens Mount RF

Lens Format Coverage Full-Frame

Angle of View 34° to 12°

Minimum Focus Distance 2.3' / 70 cm  
Maximum Magnification 0.23x  
Optical Design 17 Elements in 13 Groups  
Diaphragm Blades 9, Rounded  
Focus Type Autofocus  
Image Stabilization Yes  
Tripod Collar Removable and Rotating  
Filter Size 77 mm (Front)  
Dimensions (ø x L) 3.54 x 5.75" / 89.9 x 146 mm  
Length at Maximum Extension 8.03" / 204 mm  
Weight 2.35 lb / 1070 g

#### **5. BATERI PER APARAT FOTOGRAFIK (COPE 2)**

Battery Capacity 2130 mAh  
Chemistry Lithium-Ion  
Output Voltage 7.2 VDC  
Dimensions (W x H x D) 1.51 x 0.83 x 2.24" / 38.4 x 21 x 56.8 mm

#### **6. KARTE MEMORIE CF EXPRESS TYPE B / 128GB (COPE 2)**

*Quantity* 2  
Card Type CFexpress Type B  
Storage Capacity 128 GB  
Read Speed Maximum: 1700 MB/s  
Write Speed Maximum: 1200 MB/s  
Wireless Capability None

#### **7. KARIKUES PER 8 BATERI AA, AAA NiMH OSE NiCD (COPE 2)**

*Charger*

AC Input Power 100 to 240 VAC, 50 / 60 Hz  
Charging Bays 8 x AA, AAA  
Supported Battery Chemistry Ni-Cd, Ni-MH  
Charging Voltage 1.5 VDC  
Charging Amperage 250 to 500 mA  
DC Input Power VDC at 1300 mA  
Charger Dimensions 7.8 x 3.1 x 1.2" / 198.00 x 79.00 x 31.00 mm  
Charger Weight 4.2 oz / 120 g

*General*

Certifications ETL, RoHS

**8. BATERI TE RIKARIKUESHME AA / AA NiMH Rechargeable Batteries (COPE 20, 1.2V, 2550mAh)**

*Battery*

Battery Type 8 x AA  
Battery Chemistry NiMH  
Battery Voltage 1.2 V  
Battery Capacity 2550 mAh

**9. ÇANTË PER APARAT FOTOGRAFIK (COPE 2)**

Carry/Transport Options Backpack Straps, Handle, Waist Belt  
Color Black  
Type of Closure Zipper  
Laptop/Tablet Compartment Single Compartment: Fits 15" Laptop  
Interior Type Adjustable Dividers (Hook & Loop)  
Monopod/Tripod Holder Yes  
Features Accessory Loops  
Environmental  
Water Resistance Rain Cover



### *General*

Maximum Volume 6.6 gal / 24.98 L

Materials Exterior: Nylon, Polyester

Dimensions Exterior

20.47 x 14.17 x 8.66" / 51.99 x 35.99 x 22 cm

### *Interior*

17.32 x 11.81 x 6.3" / 43.99 x 30 x 16 cm

Weight 95.24 oz / 2.7 kg

## **10. APARAT PER FILMIM PROFESIONAL / Mirrorless Camera (cope 1)**

### *Imaging*

Lens Mount Micro Four Thirds

Sensor Resolution Actual: 26.52 Megapixel

Effective: 25.2 Megapixel (5776 x 4336)

Sensor Type 17.3 x 13 mm (Four Thirds) MOS

Crop Factor 2x

Image Stabilization Sensor-Shift, 5-Axis

Built-In ND Filter None

Capture Type Stills & Video

Exposure Control

Shutter Type Electronic Shutter

Shutter Speed Electronic Front Curtain Shutter

1/2000 to 60 Seconds

Up to 30 Minutes in Bulb Mode

### *Electronic Shutter*

1/32000 to 1 Second

to 60 Seconds in Bulb Mode

1/25,000 to 1/8 Second in Movie Mode

Bulb/Time Mode      Bulb Mode, Time Mode

ISO Sensitivity      Photo

100 to 25,600 in Auto Mode (Extended: 50)

#### *Video*

100 to 12,800 (Extended: 50)

Metering Method      Center-Weighted Average, Highlight Weighted, Multiple, Spot

Exposure Modes      Aperture Priority, Manual, Program, Shutter Priority

Exposure Compensation      -5 to +5 EV (1/3 EV Steps)

Metering Range      0 to 18 EV

White Balance Presets: Auto, Cloudy, Color Temperature, Daylight, Flash, Incandescent, Shade, White Set 1, White Set 2, White Set 3, White Set 4

Continuous Shooting      Mechanical Shutter

Up to 14 fps for up to 65 Frames (Raw) / 95 Frames (JPEG)

Electronic Shutter

Up to 75 fps for up to 200 Frames (Raw) / 200 Frames (JPEG)

Interval Recording      Yes

Self-Timer      2/3/10-Second Delay

#### Still Image Capture

Image Sizes      4:3 JPEG / Raw

25.2 MP (5776 x 4336)

3:2 JPEG / Raw

5776 x 3848

16:9 JPEG / Raw

5776 x 3242

1:1 JPEG / Raw

4336 x 4336

Aspect Ratio      1:1, 3:2, 4:3, 16:9

Image File Format      JPEG, Raw

Bit Depth      14-Bit

#### Video Capture

Internal Recording Modes      H.264/MOV/MPEG-4 AVC/ProRes 422/ProRes 422 HQ 4:2:2  
10-Bit

5728 x 3024 at 23.98/24.00/25/29.97 fps [1000 to 1900 Mb/s]

H.264 ALL-Intra/MOV 4:2:2 10-Bit

4096 x 2160 from 1 to 59.94 fps [400 to 800 Mb/s]

3840 x 2160 from 1 to 59.94 fps [400 to 800 Mb/s]

1920 x 1080p from 1 to 240 fps [200 to 800 Mb/s]

1920 x 1080i at 50/59.94 fps [100 Mb/s]

H.264 Long GOP/MOV/MPEG-4 AVC 4:2:2 10-Bit

4096 x 2160 from 1 to 59.94 fps [150 to 200 Mb/s]

3840 x 2160 from 1 to 59.94 fps [150 to 200 Mb/s]

1920 x 1080p from 1 to 240 fps [100 to 200 Mb/s]

1920 x 1080i at 50/59.94 fps [50 Mb/s]

H.265 Long GOP/MOV 4:2:0 10-Bit

5760 x 4320 at 23.98/24.00/25/29.97 fps [200 Mb/s]

5728 x 3024 from 1 to 59.94 fps [200 to 300 Mb/s]

4352 x 3264 at 47.95/48.00/50/59.94 fps [300 Mb/s]

4096 x 2160 from 1 to fps [150 to 300 Mb/s]

3840 x 2160 from 1 to fps [72 to 300 Mb/s]

1920 x 1080p from 1 to 300 fps [20 to 200 Mb/s]

External Recording Modes 4:2:2 10-Bit via HDMI

DCI 4K (4096 x 2160) at 23.98/24.00/25/29.97/50/59.94 fps

UHD 4K (3840 x 2160) at 23.98/24.00/25/29.97/50/59.94 fps

1920 x 1080p at 23.98/24.00/25/29.97/50/59.94/ fps

1920 x 1080i at 50/59.94 fps

Raw 12-Bit via HDMI

5760 x 4320

5744 x 3024

DCI 4K (4096 x 2160)

Fast-/Slow-Motion Support Yes

Gamma Curve Panasonic V-Gamut, Panasonic V-Log

Recording Limit None

Broadcast Output NTSC/PAL

IP Streaming None

Built-In Microphone Type Stereo

Audio Recording MOV: 2/4-Channel 24-Bit 96 kHz LPCM Audio

MOV: 2/4-Channel 24-Bit 48 kHz LPCM Audio

MP4: 2-Channel 16-Bit 48 kHz AAC Audio

Interface

Media/Memory Card Slot Slot 1: CFexpress Type B

Slot 2: SD/SDHC (UHS-II) [U3/V30 or Faster Recommended]

Video I/O 1 x HDMI Output

Audio I/O 1 x 1/8" / 3.5 mm TRRS Headphone/Mic Microphone Input

1 x 1/8" / 3.5 mm TRRS Headphone/Mic Headphone Output

Power I/O 1 x USB-C Input/Output

Other I/O 1 x USB-C Data/Monitor/Tether/Video

Wireless 5 GHz Wi-Fi 5 (802.11ac) Video Output, Audio Output, Control

Mobile App Compatible Yes: Android & iOS

Global Positioning (GPS, GLONASS, etc.) None

Monitor

Size 3"

Resolution 1,840,000 Dot

Display Type Free-Angle Tilting Touchscreen LCD

Viewfinder

Type Built-In Electronic (OLED)

Resolution 3,680,000 Dot

Eye Point 21 mm

Coverage 100%

Magnification Approx. 0.76x

Diopter Adjustment -4 to +3

Focus

Focus Type Auto and Manual Focus

Focus Mode Automatic, Continuous-Servo AF, Focus Lock AF Area Mode, Manual Focus, Single-Servo AF, Touch AF & Shutter

Autofocus Points Photo, Video

Contrast Detection: 315

Autofocus Sensitivity -4 to +18 EV

Flash

Built-In Flash No

Flash Modes Auto, Auto/Red-Eye Reduction, Forced On, Forced On/Red-Eye Reduction, Off, Slow Sync, Slow Sync/Red-Eye Reduction

Maximum Sync Speed 1/250 Second

Flash Compensation -3 to +3 EV (1/3 EV Steps)

Dedicated Flash System TTL

External Flash Connection Hot Shoe

Environmental

Operating Temperature 14 to 104°F / -10 to 40°C

Storage Humidity 10 to 80%

General

Battery Type 1 x DMW-BLK22 Rechargeable Lithium-Ion, 7.2 VDC, 2200 mAh (Approx. 350 Shots)

Tripod Mounting Thread 1 x 1/4"-20 Female

Accessory Mount 1 x Hot Shoe Mount

Material of Construction Magnesium Alloy

Dimensions (W x H x D) 5.45 x 3.95 x 3.92" / 13.84 x 10.03 x 9.96 cm

Weight 1.8 lb / 823 g (With Battery, Recording Media)

1.63 lb / 739 g (Body Only)

## **11. LENTE 35-100mm f/2.8 II O.I.S. (cope 1)**

Focal Length 35 to 100mm (35mm Equivalent Focal Length: 70 to 200mm)

Maximum Aperture f/2.8

Minimum Aperture f/22  
Lens Mount Micro Four Thirds  
Lens Format Coverage Micro Four Thirds  
Angle of View 34° to 13°  
Minimum Focus Distance 2.79' / 85 cm  
Maximum Magnification 0.1x  
Optical Design 18 Elements in 13 Groups  
Diaphragm Blades 7, Rounded  
Focus Type Autofocus  
Image Stabilization Yes  
Filter Size 58 mm (Front)  
Dimensions (ø x L) 2.65 x 3.93" / 67.4 x 99.9 mm  
Length at Maximum Extension 3.94" / 100 mm  
Weight 12.59 oz / 357 g

## **12. BATERI PER APARAT FILMIMI Lithium-Ion Battery (7.2V, 2200mAh) Cope 2**

Battery Capacity 2200 mAh / 16 Wh  
Chemistry Lithium-Ion  
Output Voltage 7.2 VDC

## **13. KARTE MEMORIE PER FILMIM / 128GB UHS-II SDXC Memory Card (COPE 4)**

Quantity 1  
Card Type SDXC  
Storage Capacity 128 GB  
Bus Type UHS-II  
Speed Class 10

UHS Speed Class U3  
Video Speed Class V90  
Read Speed Maximum: 300 MB/s  
Write Speed Maximum: 260 MB/s  
Minimum: 90 MB/s  
Durability Shockproof, Temperature Extremes, Waterproof, X-Ray Proof  
Built-in Write-Protect Switch Yes  
Wireless Capability None

#### **14. STABILIZER PER APARAT FILMIMI / (Cope 1)**

##### Specs

Grip Design Single Handgrip

##### Gimbal

Load Capacity 0.9 to 4.4 lb / 0.4 to 2 kg

Number of Axes 3-Axis (Pitch (Tilt), Roll, Yaw (Pan))

Rotation Range Yaw (Pan): 360°

Pitch (Tilt): 335° (-95 to 240°)

Roll: 220° (-10 to 210°)

Follow Speed Pan/Tilt/Roll: 360°/s

##### Compatibility

Camera Control On Compatible Models

Camera Mounting Screw 1 x 1/4"-20 Male

##### Connectivity

Inputs/Outputs 1 x USB-C (2 A 5 VDC Power)

Wireless Frequency 2.4 GHz

Wireless Protocol Bluetooth 5.1

Mobile App Compatible Yes: Android & iOS

##### Battery

Battery Type 1 x 18650  
Battery Capacity 2450 mAh / 17.64 Wh  
Battery Runtime 10 Hours  
Battery Charging Time 2.5 Hours  
Battery Chemistry Lithium-Ion  
Voltage 7.2 VDC  
Environmental  
Operating Temperature 14 to 113°F / -10 to 45°C  
General  
Display Type Fixed Touchscreen OLED  
Mounting 1 x 1/4"-20 Female  
1 x NATO Rail  
Dimensions 12.7 x 7.7 x 3.9" / 323 x 195 x 98 mm  
Weight 1.9 lb / 850 g (with Camera Plate)

#### **15. BATERI PER STABILIZER APARATI FILMIMI (COPE 2)**

Battery Type 1 x 18650  
Battery Capacity 2450 mAh / 17.64 Wh  
Battery Runtime 10 Hours  
Battery Charging Time 2.5 Hours  
Battery Chemistry Lithium-Ion  
Voltage 7.2 VDC

#### **16. HARD DISK PËR NAS / 8TB 7200 rpm SATA III 3.5" Internal NAS HDD (COPE 2)**

Storage Capacity 8 TB SATA III (6 Gb/s) 3.5" HDD (7200 rpm)  
Read Speed Maximum: 214 MB/s  
Write Speed Not Specified by Manufacturer  
Buffer 256 MB



Latency 4.2 ms

#### HDD Specs

Heads 10

Platters 5

Areal Density 930 Gb/in<sup>2</sup>

Disk Sector Format 512e

Noise Level 2.8 dB (Active)

1.8 dB (Idle)

#### Reliability / Data Integrity

Annualized Failure Rate (AFR) 0.73 %

Encryption None

Endurance (Total Bytes Written) 300 TB

Load/Unload Cycles 600,000

Mean Time Between Failures (MTBF) 1.2 Million Hours

Non-Recoverable Read Errors per Bits Read 1 in 10<sup>15</sup>

#### Electrical

Power Draw 7.4 W (Active)

4.4 W (Idle)

0.8 W (Standby)

Supported Voltage 5 VDC, 12 VDC

Current 2.0 A at 12 VDC

#### Environmental

Operating Temperature 41 to 140°F / 5 to 60°C

Storage Temperature -40 to 158°F / -40 to 70°C

Operating Shock 70 G / 2.0 ms

Storage Shock 300 G / 2.0 ms

Operating Vibration 0.7 G / 5 to 500 Hz

Storage Vibration 2.27 G / 10 to 500 Hz

Operating Humidity 5 to 95%

Storage Humidity 5 to 95%

Operating Altitude -1,000 to 10,000' / -304.8 to 3048 m

Storage Altitude -1,000 to 40,000' / -304.8 to 12,192 m

General

Dimensions 5.8 x 4 x 1" / 147.32 x 101.6 x 25.4 mm

Weight 1.43 lb / 0.65 kg

## 17. UPS 1000 VA (COPE 9)

KARAKTERISTIKA MINIMALE TEKNIKE	
<b>DALJE "OUTPUT"</b>	
Fuqia "Power":	1000 VA
Faktori i Fuqisë "Power Factor":	≥0.8
Forma e Valës "Wave Form":	Sinusoidale
Tensioni Nominal "Nominal Voltage":	220-240 V AC
Frekuenca "Frequency":	50 Hz +/- 5%
Rregullimi i Tensionit "Volt, Regul. (On Battery)":	+/-10%
Prizat Dalëse "Output Connectors":	≥ (4) IEC 320 C13 (nga bateria)
<b>HYRJE "INPUT"</b>	
Tensioni nominal "Nominal Voltage":	220 - 240 V AC
Frekuenca "Frequency":	50 Hz
Dritarja e Tensionit "Voltage Window":	170 - 270 V AC
Rregullim Automatik i Tensionit "AVR":	Po
Prizat Hyrëse "Input Connectors":	(1) IEC 320 C14
<b>KOMUNIKIMI &amp; MENAXHIMI</b>	
Programi i Fikjes "Shutdown Software":	Po
Sinjalizim me LED "Led Indicators":	Për të gjitha gjendjet

<b>Sinjalizim me Zë "Audible Indicators":</b>	Për të gjitha gjendjet
<b>Porta e Komunikimit "Interface":</b>	(1) DB9 Serial ose USB
<b>Mbrojtja "Protection":</b>	Overload, Discharge, and Overcharge Protection
<b>BATERITË</b>	
<b>Koha e Transferimit "Transfer time":</b>	≤4 ms
<b>Koha e Funkionimit me Bateri "Back-Up Time":</b>	≥6 min. Me ngarkesë të plotë
<b>Tipi i Baterive "Battery Type":</b>	12 V DC 7 Ah Lead-Acid
<b>AKSESORËT</b>	
<b>Kabëll për Linjën Kryesore "Power Cord":</b>	(1) European IEC-C13
<b>Kabëll për Lidhjen e PC "PC Power Cord":</b>	(2) IEC 320 C13 - IEC 320 C14
<b>Kabëll për Komunikimin e të Dhënave "Data Cable":</b>	(1) DB9 Serial - DB9 Serial ose USB - USB
<b>GARANCIA</b>	
<b>Periudha e Mbulimit të Garancisë "Warranty":</b>	2 Vjet

## 18. Workstation (Sipas Prodhuesit) (COPE 1)

KARAKTERISTIKA MINIMALE TEKNIKE	
<b>Pikët Min. për Procesorin sipas: cpubenchmark.net Min Proc. Rating According to: cpubenchmark.net:</b>	10000 Pikë
<b>"RAM":</b>	16 GB, min. DDR4-2666 MHz, ECC
<b>Madhësia e Hard Diskut "HDD Size":</b>	(1) x 256 GB SSD Sistemi Operativ dhe (2) x 500 GB HDD
<b>Shpejtësia e Hard Diskut "HDD Speed":</b>	7200 RPM SATA 6.0 Gb/s për HDD
<b>"Disk Subsystem Controler":</b>	Serial ATA III 6.0 Gb/s, Minimum 4 Serial ATA Interface with RAID 0,1,5,10 Support.  (Hard Disk të Konfiguruar në RAID 1)
<b>Karta Grafike "Graphics":</b>	Kartë Grafike HD e Dedikuar PCI-E x16, Min. 2 GB Memory; Min. (2) Porta (VGA/DVI/HDMI/DP, mund të përdoret dhe adaptor). Karta të jetë e rekomanduar dhe instaluar nga prodhuesi për workstation.
<b>"Media Device":</b>	DVD+/-RW with Dual Layer DVD+R wri. Capacity
<b>"Slots":</b>	Minimum (4) PCI/PCI-E nga të cilat min. (2) PCI-E x16

<b>KOMUNIKIMI &amp; MENAXHIMI</b>	
Portat e Komunikimit "Ports":	Min. (8) USB nga të cilat: a. Min. (2) USB Para; b. Min. (6) USB 3.0 (2) RJ-45, (1) Audio In/Out, (1) Mic. and (1) Headphone, (1) Portë Video (mund të përdoret dhe adaptor)
Rrjeti "Networking":	(2) 10/100/1000 LAN Gigabit Ethernet Port
"Sound":	Integrated Sound Card
"Speakers":	Internal speakers or Built-in Monitor
Siguria "Security Management":	Embedded Security TPM 2.0
Sistemi i Operimit "Preinstalled Licensed O. S.":	OEM Windows 10 64-bit Professional për Workstation
Tastiera "Keyboard":	Standart Keyboard QWERTY
"Mouse":	Minimum 3 Button Scroll Optical
Ushqimi "Power Supply":	220 V AC, 50 Hz
Kursimi i Energjisë "Energy Efficiency":	Energy Star
<b>AKSESORËT</b>	
Kabëll "Power Cord":	Po, European
"Recover":	Recover Partition
<b>MONITORI</b>	
Tipi "Type":	LCD OSE LED i të njëjtës Markë me Kompjuterin
Madhësia "Size":	≥ 23"
Rezolucioni "Native Resolution":	1920 x 1080 @ 60 Hz
Raporti i Kontrastit "Constrast Ratio Static":	1000:1
Koha e Rifreskimit "Response Time":	≤ 6 ms
"Display Port":	(1) VGA ose DVI dhe (1) prej Portave DP/DVI/HDMI
Kursimi i Energjisë "Energy Efficiency":	Energy Star
Ushqimi "Power Supply":	220 V AC, 50 Hz
<b>GARANCIA</b>	
Periudha e Mbulimit të Garancisë "Warranty":	3 Vjet

## 19. Kompjuter Desktop (COPE 8)

### KARAKTERISTIKA MINIMALE TEKNIKE

<b>Pikët Min. për Procesorin sipas: cpubenchmark.net</b>	7900 Pikë
<b>Min Proc. Rating According to: cpubenchmark.net:</b>	
<b>“RAM”:</b>	8 GB DDR4, min. 2666 MHz, Non-ECC
<b>Madhësia e Solid-state Drive “SSD Size”:</b>	500 GB HDD
<b>“Disk Subsystem Controler”:</b>	Serial ATA III 6 Gb/s
<b>Karta Grafike “Graphics”:</b>	Integrated graphic Card, min. 1 GB
<b>“Media Device”:</b>	DVD+/-RW
<b>“Slots”:</b>	Min. (3) PCI/PCI-E, nga të cilat min. (1) PCI-E 3.0 x16
<b>KOMUNIKIMI &amp; MENAXHIMI</b>	
<b>Portat e Komunikimit “Ports”:</b>	Min. (6) USB nga të cilat: a. Min. (2) USB Para; b. Min. (4) USB 3.0 (1) RJ-45, (1) Audio In/Out, (1) Mic. and (1) Headphone, (1) Portë DP/DVI/HDMI/VGA
<b>Rrjeti “Networking”:</b>	(1) 10/100/1000 LAN Integrated Gigabit Ethernet Port
<b>“Sound”:</b>	Integrated Sound Card
<b>“Speakers”:</b>	Internal or Built-in Monitor
<b>Siguria “Security Management”:</b>	Embedded Security TPM 2.0
<b>Sistemi i Operimit “Preinstalled Licensed O. S.”:</b>	OEM Windows 10 64-bit Professional
<b>Tastiera “Keyboard”:</b>	Standart Keyboard QWERTY
<b>“Mouse”:</b>	Minimum 3 Button Scroll Optical
<b>Ushqimi “Power Supply”</b>	220 V AC, 50 Hz
<b>Kursimi i Energjisë “Energy Efficency”:</b>	Energy Star
<b>AKSESORËT</b>	
<b>Kabëll “Power Cord”:</b>	Po, European
<b>“Recover”:</b>	Recover Partition
<b>MONITORI</b>	
<b>Tipi “Type”:</b>	LCD OSE LED i të njëjtës Markë me Kompjuterin
<b>Madhësia “Size”:</b>	≥ 21”
<b>Rezolucioni “Native Resolution”:</b>	1920 x 1080 at 60 Hz
<b>Raporti i Kontratit “Constrast Ratio Static”:</b>	1000:1
<b>“Display Port”:</b>	(1) VGA dhe të paktën (1) prej portave DP/DVI/HDMI

Koha e Rifreskimit "Response Time":	≤ 6 ms
Kursimi i Energjisë "Energy Efficiency":	Energy Star
Ushqimi "Power Supply":	220 V AC, 50 Hz
<b>GARANCIA</b>	
Periudha e Mbulimit të Garancisë "Warranty":	3 Vjet

## 20. Laptop (COPE 1)

KARAKTERISTIKA MINIMALE TEKNIKE	
Pikët Min. për Procesorin sipas: cpubenchmark.net Min Proc. Rating According to: cpubenchmark.net:	13000 Pikë
"Chipset":	Intel ose Ekuivalent
"RAM":	16 GB, DDR4 min. 2133 MHz, Non-ECC
Madhësia e Solid-state Drive "SSD Size":	512 GB SSD
"Graphics":	Integrated Graphics with 1 GB Video Memory
Ekrani "Display":	15.6" LED FHD (1920 x 1080), Anti Glare
Bateria "Battery":	Min. 45 Wh
KOMUNIKIMI & MENAXHIMI	
Portat e Komunikimit "Ports":	Min. (3) porta USB nga të cilat min. (2) USB 3.0 (1) DisplayPort/HDMI (1) Integrated Mic. (1) Integrated HD Web Camera (1/1) Headphone/Microphone Jack ose (1) Combo Jack
Rrjeti "Networking":	10/100/1000 Mbps LAN (RJ-45); Wireless 802.11ac (Kompatibël me 802.11 b/g/n); Bluetooth min. V4.0
"Sound":	Integrated , (2) x built-in speakers (stereo)
Sistemi i Operimit "Preinstalled Licensed O.S.":	OEM Windows 10 64-bit Professional
Tastiera "Keyboard":	QWERTY
"Pointing Device":	Touch Pad
Siguria "Security Management":	Embedded Security TPM 2.0
AKSESORËT	

<b>Kabëll "Power Cord":</b>	Po, European
<b>Ushqyesi "Recharger":</b>	Po
<b>"Mouse":</b>	Po, i të njëjtës Markë me Laptopin
<b>Çanta "Carrying Bag":</b>	Po, nga Prodhuesi. E përshtatshme për Laptop dhe Aksesorët e tjerë.
<b>"Recover":</b>	Recover Partition
<b>GARANCIA</b>	
<b>Periudha e Mbulimit të Garancisë "Warranty":</b>	3 Vjet

## 21. Fotokopje MFP Color – A3 me Software Menaxhimi (COPE 1)

KARAKTERISTIKA MINIMALE TEKNIKE	
<b>"Model":</b>	<b>Copier, Printer, Scanner</b>
<b>Shpejtësia "Copy/Print Speed for A4 B&amp;W":</b>	<b>≥ 25 ppm</b>
<b>Cikli Mujor i Punës "Monthly Duty Cycle":</b>	<b>≥120 000 Faqe</b>
<b>Teknologjia "Technology":</b>	<b>Laser Color / B&amp;W</b>
<b>Vendosja e Dokumentit "Document Feeder":</b>	<b>RADF</b>
<b>Sirtarët për Letrën "Paper Trays":</b>	<b>2 (pa llogaritur bypass)</b>
<b>Kapaciteti në Hyrje "Input Capacity min":</b>	<b>1000 Fletë (pa llogaritur bypass)</b>
<b>Kopjim/Printim në të dy Faqet "Duplex Copying/Print":</b>	<b>Po</b>
<b>Formati i Letrës "Media Sizes":</b>	<b>A6 - SRA3</b>
<b>Gramatura e letres "Paper Weights"</b>	<b>52-300 gsm ose me mire</b>
<b>Memorja "Standard Memory":</b>	<b>≥ 8 GB</b>
<b>"Standard SSD Storage":</b>	<b>≥ 256 GB</b>
<b>Shpejtësia e Skanimit 2 sided "Scan Speed":</b>	<b>≥ 200 ipm</b>
<b>Rezolucioni i Skanimit "Scan Resolution":</b>	<b>≥ 600x600 dpi</b>
<b>Zvogëlim/Zmadhim "Reduction/Enlargement":</b>	<b>25%-400%</b>
<b>Formati i Skanimit Maksimal "Maximum Scan Size":</b>	<b>A3</b>
<b>"Toner":</b>	<b>Shoqëruar me Starter Kit</b>
<b>KOMUNIKIMI &amp; MENAXHIMI</b>	
<b>Porta e Komunikimit "Interface":</b>	<b>High Speed USB 2.0</b>
<b>"Ethernet":</b>	<b>Po</b>

Ekstra	
Ekrani "Display"	≥ 10 inch Touch Screen Display
User Authentication, Hard drive Encryption	Po PIN + Password + Access Card
Card Reader	13.56 MHz & 125 KHz
HW duhet te jete i certifikuar nga prodhuesi per ceshtje te sigurise se te dhenave dhe te ofroje mundesi: HDD/SSD encryption / mundesi ndryshimi i password te manaxhimit, Hard Drive Overwrite. Pajisja te jete e pershtatshme me SWe menaxhimit te ofruar.	
AKSESORËT	
Kabëll "Power Cord":	Po, European
Software/Drivers CD :	Po
GARANCIA	
Periudha e Mbulimit të Garancisë "Warranty":	2 Vjet ose 200 000 Kopje*
	*Kush të arrihet më parë
Pjesët e konsumueshme janë drum-i dhe toneri.	

## 22. Software Menaxhimi per printimet (COPE 1)

KARAKTERISTIKA MINIMALE TEKNIKE
"Software"-i duhet të jetë me licensë dhe jo "open source", nga një markë e mirënjohur ndërkombëtarisht ("brand name").
Menaxhimi i ndërfaqes për konfigurim duhet të jetë "web-based" ose GUI.
"Software"-i duhet të instalohet në një server të dedikuar brenda një sistemi "cluster-server", me një nga sistemet e operimit WS 2012 ose me të ri, sisteme që duhet të sigurojë operatori fitues.
"Software"-duhet të ofrojë mundesi për konfigurim të userave pa limit.
"Software"-i duhet të sigurojë ruajtjen e të gjitha të dhenave të nevojshme për të siguruar printimin në një databazë të dedikuar që mund të jetë lokale ose në një "remote server".
"Software"-i duhet të integrohet me "user"-at e "Active Directory"-s së institucionit, duke siguruar që "user"-at e printimit të përftoheshin nga "Active Directory".
"Software"-i duhet të ofrojë mundësinë që të punojë në një nivel të lartë instalimi si "cluster-server".
"Software"-i duhet të ofrojë autentikimin e "user"-ave nëpërmjet "pin"-it, "ID card" ose "User/Pass". "Pin"-i jo më pak se 4 karaktere.
"Software"-i duhet të ofrojë administrimin dhe integrimin e pajisjeve MFP nga shitës të ndryshëm,



duke nënkuptuar që mos jetë i varur vetëm nga një produkt (shitës).
“Software”-i duhet të regjistrojë numrin ekzakt të faqeve të dokumenteve të printuar apo fotokopjuara, për çdo “user”.
“Software”-i duhet të ofrojë raporte të detajuara dhe personalizuara të volumit të printimit për “user”, per pajisje dhe në intervale kohe të përcaktuara nga administratori. Aftësi për të eksportuar çdo raport në format të mirë-njohur si pdf, xml, csv, xls, etj.
“Software”-i duhet të ketë disa nivele të administrimit dhe të ofrojë nivele të personalizuara për “user” dhe për grup “user”-ash me privilegje të ndryshme për pajisje të ndryshme.
“Software”-i duhet të ofrojë siguri dhe privatësi të të dhënave, duke mos lejuar printime apo fotokopjime të paautorizuara.
“Software”-i duhet të ofrojë printime të sigurta me funksionalitetin “follow me” ose ekuivalent, ku dokumenti që ne printojmë mund të nxirret në çdo pajisje që është pjesë e sistemit të printimit.
“Software”-i duhet të ofrojë “shared queues” për të ndarë printimin e dokumenteve midis departamenteve.
“Software”-i duhet të ofrojë krijimin e rregullave bazë të printimit si :” PRINTO VETËM BARDH E ZI”, “PRINTO TEK PAJISJA ME KOSTO MË TË ULËT”,”MOS PRINTO MË SHUMË SE NJË NUMËR TË SPECIFIKUAR FAQESH” etj...
“Software”-i duhet të ofrojë skanimin e dokumenteve dhe t’i adresojë ato tek përdoruesit nëpërmjet folderave të përbashket (“share”) ose “email”-it.
“Software”-i duhet të ofrojë “workflow scanning” ose ekuivalent.
Suporti për “software”-in duhet të ofrohet brënda 24 orësh, nga koha e deklarimit të nevojës për suport. (Support/SLA nga prodhuesi)
“Software”-i ka një license enterprise full (E perhershme)
Suporti për “software”-in duhet te ofrohet minimumi 1 vit nga nenshkrimi i kontrates

Per kete pajise OE duhet te oferoje zgjidhje (software) per menaxhimin e qenderzuar te printimeve ne ambientet e bashkise.  
 OE do ti vihet ne dispozicion nje server (makine virtuale) per instalimin e software.  
 OE i shpallur fitues, duhet te implementoje nje version Trial paraprakisht, ne menyre qe te verifikohet funksionimi i te gjitha parametrave te ofruar

<b>Nr.</b>	<b>Pershkrimi</b>	<b>Sasia</b>	<b>Cmimi</b>	<b>Vlera</b>
1	<b>APARAT FOTOGRAFIK PROFESIONAL</b>	1		
2	<b>FLASH PER APARAT FOTOGRAFIK</b>	1		
3	<b>LENTE / RF 24-105mm F/4 USM Lens</b>	1		
4	<b>LENTE RF 70 – 200 mm F/2.8</b>	1		
5	<b>BATERI PER APARAT FOTOGRAFIK</b>	2		
6	<b>KARTE MEMORIE CF EXPRESS TYPE B / 128GB</b>	2		
7	<b>KARIKUES PER 8 BATERI AA, AAA NiMH OSE NiCD</b>	2		
8	<b>BATERI TE RIKARIKUESHME AA / AA NiMH Rechargeable Batteries</b>	20		
9	<b>ÇANTË PER APARAT FOTOGRAFIK</b>	2		
10	<b>APARAT PER FILMIM PROFESIONAL / Mirrorless Camera</b>	1		
11	<b>LENTE 35-100mm f/2.8 II O.I.S</b>	1		
12	<b>BATERI PER APARAT FILMIMI Lithium-Ion Battery</b>	2		
13	<b>KARTE MEMORIE PER FILMIM / 128GB UHS-II SDXC Memory Card</b>	4		
14	<b>STABILIZER PER APARAT FILMIMI</b>	1		
15	<b>BATERI PER STABILIZER APARATI FILMIMI</b>	2		
16	<b>HARD DISK PËR NAS / 8TB 7200 rpm SATA III 3.5"</b>	2		
17	<b>UPS 1000 VA</b>	9		
18	<b>Workstation (Sipas Prodhuesit)</b>	1		
19	<b>Kompjuter Desktop</b>	8		
20	<b>Laptop</b>	1		
21	<b>Fotokopje MFP Color – A3 me Software Menaxhimi</b>	1		
22	<b>Software Menaxhimi per printimet</b>	1		
<b>Totali pa TVSH</b>				