بسم الله الرحمن الرحيم

ކުޅުދުއްފުށީ ސިޓީ ކައުންސިލްގެ އިދާރާ
ކުޅުދުއްފުށި، ދިވެހިރާއްޖެ

މަސައްކަތާބެހޭ މައުލޫމާތު

ތައާރަފު

މިއީ، ކުޅުދުއްފުށީ ސިޓީ ކައުންސިލް އިދާރާއަށް ހޯދަން ބޭނުންވާ އައިޓީ ޓޫލްސް އަދި ސީސީޓީވީ އާއި ގުޅޭ އައިޓަމްސް ސަޕްލައިކޮށްދޭނެ ފަރާތެއް ބޭނުންވާތީ، ޝަރުތު ފުރިހަމަ ފަރާތްތަކަށް މައުލޫމާތު ދިނުމުގެ ގޮތުން ތައްޔާރުކޮށްފައިވާ މައުލޫމާތު ކަރުދާހެކެވެ.

1. ސަމާލުކަން ދޭންޖެހޭ މުހިންމު ބައިތައް

1.1. މި އިދާރާއަށް ފޯރުކޮށްދެވޭ އެންމެހައި ތަކެއްޗަކީ މުޅިން އައު ތަކެތި ކަމުގައި ވާންވާނެއެވެ. އަދި އެއްވެސް ގެއްލުމެއް ލިބިފައި ނުވާ އެއްޗެއް ކަމުގައި ވާންވާނެއެވެ.

1.2. ތަކެތި ފޯރުކޮށްދެއްވަންވާނީ މި އިދާރާއިން ފޯރުކޮށްދީފައިވާ ސްޕެސިފިކޭޝަނާއި އެއްގޮތްވާގޮތުގެ މަތިންނެވެ.

1.3. ބީލަން ހުށަހަޅުއްވާއިރު އަގު ހުށަހަޅުއްވަން ވާނީ ކުޅުދުއްފުށީ ސިޓީ ކައުންސިލްގެ އިދާރާއާ ހަމައަށް ތަކެތި ފޯރުކޮށްދިނުން އަގުހިމަނައިގެންނެވެ.

1.4. ފޯރުކޮށްދެވޭ އެންމެހައި ތަކެއްޗަކީ ފުރިހަމަ ރަނގަޅު، ނަން މަޝްހޫރު ބްރޭންޑެއްގެ ތަކެތި ކަމުގައި ވާންޖެހޭނެއެވެ. މީގެ އިތުރުން، ވިއްކާފަރާތުން ހުށަހަޅާ ހުރިހާ ތަކެތީގެ ސާމްޕަލް އަދި ފުރިހަމަ ރަނގަޅު ބްރޯޝަރ ހުށަހަޅަންވާނެއެވެ. އަދި ހަމަ އެހެންމެ، އެ ތަކެތީގެ މޮޑެލް ނަންބަރު، ޓެކްނިކަލް ސްޕެސިފިކޭޝަންތައް އަދި އެހެނިހެން ގުޅުންހުރި މައުލޫމާތު ފަސޭހައިން ކިޔަން އެނގޭ ގޮތަށް ބިލާއެކު ހުށަހަޅަންވާނެއެވެ.

1.5. ސްޕެސިފިކޭޝަންގައި ވޮރަންޓީ ދޭންޖެހޭނެ ކަމަށް ބަޔާންކޮށްފައިވާ ތަކެއްޗަށް ވޮރަންޓީ ފޯރުކޮށްދޭންވާނެއެވެ.

1.6. ސްޕެސިފިކޭޝަންގައި އޮތޯރައިޒްޑް ޑީލަރ ބޭނުންވާކަމަށް ބަޔާންކޮށްފައިވާ ތަކެތި ފޯރުކޮށްދޭން ވާނީ ބްރޭންޑުގެ މެނުފެކްޗަރަރ ނުވަތަ އޮތޯރައިޒްޑް ޑިސްޓްރިބިއުޓަރ / ޕާޓްނަރއެއްގެ ފަރާތުންނެވެ. އަދި އެކަން އަންގައިދޭ ފަދަ ލިޔުމެއް (ތަކެތި ގަންނަ ފަރާތުން ހޯދޭ ލިޔުމެއް) ބީލަމާއިއެކު ހުށަހަޅަންވާނެއެވެ.

1.7. ފޯރުކޮށްދެވޭ އެންމެހައި ތަކެތީގައި އެންމެ ދަށްވެގެން ހުންނަންޖެހޭ ސްޕެސިފިކޭޝަން އާއި އެއްގޮތްވާކަން ހުރިހާ ތަކެތީގެ ސްޕެސިފިކޭޝަން ދިމާވާތޯ ބަލާނެއެވެ.

2. ފިނޭކޮޅުފުށި އެނދޮއަރާ ރަކާޮޖަ އެންމެ ދަންފުޅުން ހުނ�ނާނ�ފެއޭ ސާޭ�ސިޕުޓާޞަރ

Minimum requirements

Item 01: Wireless Keyboard & Mouse Combo

Quantity: 3

Warranty: Minimum 06 months

Specification	Description / Features
Keyboard	
Size	Full Size
Keyboard Technology	Scissors
Illumination	Backlight Key Illumination
Compatibility	Windows, macOS, Linux
Power	Rechargeable Battery, USB C
Wireless Receiver	USB wireless receiver
Interface	2.4 GHz, Bluetooth 5.1
Features	Quiet typing, Collaboration keys, Programmable keys, Numeric keypad
Mouse	
DPI	800-8000
Buttons	7
Wheels	Middle Scroll
Compatibility	Windows, macOS, Linux
Power	Rechargeable Battery, USB C
Wireless Receiver	USB wireless receiver
Interface	2.4 GHz, Bluetooth 5.1

Secretariat of Kulhudhuffushi City Council

Kulhudhuffushi, Rep of Maldives

Item 02: POE Network Switch
Warranty: Minimum 6 Month
Quantity: 4
Authorization Letter: Required

Specification	Description / Features
Enclosure material	SGCC steel
Networking interface	(12) 10/100/1,000 MbE RJ45 ports (12) 100/1,000/2,500 MbE RJ45 ports
Management interface	Ethernet In-Band
SFP+ interface	(2) 10G SFP+ ports
PoE interface	(24) PoE/PoE+ (Pins 1, 2+; 3, 6-)
Total non-blocking throughput	62 Gbps
Switching capacity	124 Gbps
Forwarding rate	92.25 Mpps
Max. power consumption	550W
Power method	(1) Universal AC input, 100—240V AC, 8.5A Max., 50/60 Hz (1) USP-RPS DC input: 52V DC, 7.7A; 11.5V DC, 8.7A
Power supply	AC/DC, internal, 550W
Max. PoE+ wattage per port by PSE	34.2W
PoE budget	400W
Voltage range PoE mode	44— 57V
Voltage range PoE+ mode	50—57V
Services	SMB Layer 3 PoE GbE switch
ESD/EMP protection	Air: ± 16kV, contact: ± 12kV
LCM display	(1) 1.3" LCM color touchscreen Bootup animation: bootup in progress Firmware upgrade icon: firmware upgrading
Button	Factory reset
Operating temperature	-5 to 40° C (23 to 104° F)
Operating humidity	10 to 95% noncondensing
Certifications	CE, FCC, IC
Support	Unifi Devices and Gateways

Item 03: Laptop Stand
Quantity: 25

Specification	Description / Features
Heigh Adjustment	2" – 3"
Material	Vegan Leather, Fiberglass
Comptible Model	11.6" – 16"
Weight	3oz
Dimension	180mm x 250mm x 3mm
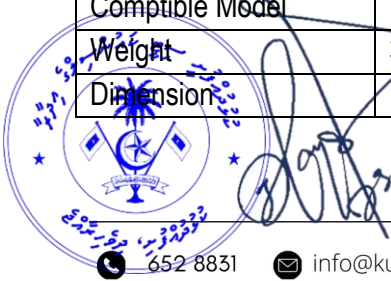
Item 04: Cordless Screwdriver
Quantity: 2

Specification	Description / Features
Torque (soft/hard/max.)	-/5/- Nm
No-load speed (1st gear / 2nd gear)	0 – 360 rpm
Battery voltage	3.6 V
Battery type	Lithium-Ion
Chuck capacity, min./max.	6.35 mm
Clutch torque	0.2 - 5 Nm
Max. screw diameter	5 mm
Sound power level	80 dB(A)
Sound pressure level	70 dB(A)

Item 05: Battery Tester
Quantity: 1

Specification	Description / Features
Testing Range	C, AA, AAA, D, N, 9V (6F22), and 1.55V button battery
Working Temperature	0°C ~ 40°C
Portable	Yes
Can Test	C, AA, AAA, D, N, 9V 6F22, and 1.5V button cell batteries

Item 06: Micro Cleaning Tools Computer Vacuum/Blower Duster
Quantity: 1

Specification	Description / Features
Construction	All Steel
Speed	Single Speed
Motor	.75 Peak HP Single Fan Motor 220V
Amps	4.0
Watts	480
CFM	51
Cord	12 Ft. 2 Conductor
Unit Size	4" x 5.5" x 16"
Unit Weight	1.3 Kgs
ESD Safe	No
Accessories	20" Flexible Hose, Crevice Tool, Air "Pin Pointer", Dust Brush, Shoulder Strap, Five Extra Disposable Bags, plus 4 Pc. Micro Cleaning Tool Kit.

Item 07: CCTV Tester

Quantity: 1

Warranty: Minimum 06 months

Specification	Description / Features
CPU/RAM/ROM	4-core 2.0GHz/2GB(LPDDR4)/16GB(EMMC)
Operating System	Android 11.0/+
Display	8-inch IPS touch screen, 2048*1536 resolution, Backlit buttons
IP Camera Test Max 8K 32MP	IP Discovery/ONVIF/IPC test /RTSP play /Client APK Rapid Video, Auto view the video, create testing report Hik test tool, pressing just one key to activate hikvision camera, Image test, can modify the username, password and IP parameters Dahua test tool, Dahua camera test, modify the username, password and IP parameters
IP& CVBS Test	IP& CVBS test at the same time, converter test from analog to digital with dual test window
Coaxial HD Test	8MP TVI camera test, 3840 x 2160P 15FPS, UTC control/call OSD menu, Support coaxial audio 8MP CVI camera test, 3840 x 2160P 12.5F/15F,UTC control/call OSD menu 8MP AHD camera test, 3840 x 2160P 15FPS, UTC control/call OSD menu 8MP EX-SDI, HD-SDI, 3G-SDI camera test, UTC control & call OSD menu
HDMI Input	1 channel HDMI input, support 4K 3840x2160P 30fps
HDMI Output	1 channel HDMI output, support 4K 3840x2160P 60fps
Zoom Image	4x zoom, to enlarge image, screen snapshot, record, save, view and record and play back
Power Supply	DC12V/2A
Wi-Fi	Built in WIFI, 2.4GHz and 5GHz, speeds:433Mbps
Network interface	RJ45 Dual Gigabit Ethernet ports, 10/100/1000Mbps adaptive
Network test	Trace route, Link monitor, DHCP server, port flashing, Ping test
Audio test	1 channel audio signal input, test whether sound normal, 1 channel audio signal, to connect headphone
Rechargeable	After charging 3 to 4 hours, normal working time 15 hours
Auto off	1 to 30(mins)
Dimension/Weight	Tester: 260x183x43mm(10.23x7.2x1.69inch) / 1200g(2.65lbs) Package: 350x300x100mm(13.78x11.81x3.94) / 2740g(6.04lbs)

Item 08: RJ45 Crimping Tool

Quantity: 2

Specification	Description / Features
Pass Through Type	RJ45 Crimp Tool Pass Through CAT5 CAT5E CAT6 Crimper Cutter Stripper for RJ45 RJ12 RJ11 8P 6P End Pass Through connector

Item 09: Pass Through RJ45 Jack 100PCS (Box or Pack)
Quantity: 2

Specification	Description / Features
Pass Through RJ45 Jack 100PCS (Box or Pack)	Pass Through RJ45 Jacks (per Box or Pack should have at least 100PCS)

Item 10: Shear Cutter
Quantity: 2

Specification	Description / Features
Shear Cutter	Mult-Purpose shear cutter (with safety lock)

Item 11: Wire Stripper
Quantity: 4

Specification	Description / Features
Wire Stripper	Wire Stripper Tool

Item 12: Networking Probe Kit
Quantity: 1
Warranty: Minimum 03 months

Specification	Description / Features
Networking Probe Kit	Network toner and Probe kit Wire tracking RJ11＞3000m; RJ45＞100m, Low battery indication, 1050mAh rechargeable lithium battery.

Item 13: Krone Impact Terminal Tool with Lock (Keystone Punch down)
Quantity: 1

Specification	Description / Features
Krone Impact Terminal Tool with Lock (Keystone Punch down)	Krone Impact Terminal Tool with Lock (Keystone Punch down).

Item 14: Multimeter
Quantity: 1

Specification	Description / Features
Multimeter	continuity with beeper, diode test, data hold, auto power off, low battery indication, overload indication, backlight, transistor tester. 600V.

Item 15: Screwdriver set & Spudger pry tool
Quantity: 2

Specification	Description / Features
Screwdriver set & Spudger pry tool set.	Multi-functional manual screwdriver set, computer, mobile phone, digital disassembly and maintenance screwdriver tool combination with spudger pry tool set.

Item 16: Heavy duty craft knife (Cutter Knife)
Quantity: 4

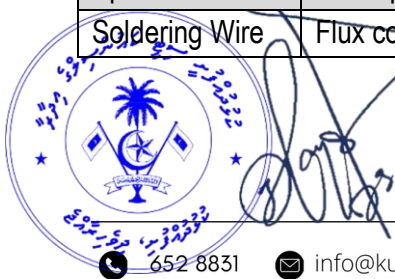| Specification	Description / Features
Heavy duty craft knife	Heavy duty craft knife with extra blades

Item 17: Tool bag
Quantity: 4

Specification	Description / Features
Tool Bag	Tool bag, Tear and worn resistant, Quality fabric, multiple pockets with various dimensions, easy to carry

Item 18: Soldering wire
Quantity: 4

Specification	Description / Features
Soldering Wire	Flux cored solder wire

Secretariat of Kulhudhuffushi City Council

Kulhudhuffushi, Rep of Maldives

Item 19: Combination plier

Quantity: 1

Specification	Description / Features
Combination Plier	Combination plier

Item 20: Long nose plier

Quantity: 4

Specification	Description / Features
Long nose plier	**Pliers Head Shape** Serrated

Item 21: Wireless mini screwdriver set

Quantity: 1

Specification	Description / Features
Mini Electric Screwdriver Set	Small Electric Precision Screwdriver with 5 Torque Levels, Max 0.75N.m, 500mAh Battery, 50-in-1 Cordless Power Screwdriver Kit for Laptop, Phone & Electronics Repair

Item 22: SHURE BRAND Podium microphone with BASE

Warranty: Minimum 6 months

Quantity: 2

Specification	Description / Features
Shure CVG18DRS-B/C-X Gooseneck Microphone 18 inch With Base and Mute Switch	Electret-condenser gooseneck microphone with integrated desktop base For use in installed sound reinforcement or conferencing Cardioid polar pattern with tailored response for speech while reducing the chance for feedback 18" dual-section gooseneck enables ease of positioning and placement Attached preamplifier,Mute switch,Light-ring indicator Includes integrated 12' cable with XLR termination Plug-and-play connection minimizes setup time Equipped with Comm Shield Technology to filter out unwanted RF interference from portable wireless devices (smartphones, etc.)

Item 23: Foldable Desktop Microphone Stand

Quantity: 3

Specification	Description / Features
Foldable Desktop Microphone Stand with Mic Holder	Tabletop boom microphone stands with microphone holder The legs can be folded, lightweight and portable.

Item 24: Portable SSD (2TB) – NVME

Warranty: minimum 06 months

Quantity: 4

Specification	Description / Features
Portable SSD (2TB) _ NVME	2TB, USB 3.2 Gen 2 (10Gb/s) via USB-C connection Up to 1,050 MB/s Up to 1,050 MB/s (for X9 Pro version; standard X9 has read speed specified) 65 x 50 x 10 mm (2.56 x 1.97 x 0.39 in) Approximately 32g (for 1TB model) Shock and vibration resistant; drop proof up to 7.5 feet (2 meters) IP55 water and dust resistance (protection against dust and water jets) Windows, Mac, iPad Pro, Chromebook, Android, Linux, PS4, PS5, and Xbox

Item 25: Conference System

Warranty: Minimum 6 Months

Quantity: 1

Specification	Description / Features
Conference System	Speaker: Built-In Hi-Fi Speaker Microphone Array: Built-In 4 Microphone Array Extension Microphone: 2x Wireless Extension Microphone AI-Enabled PTZ Camera with Integrated Microphone & c/w 4x Extension Microphones

Item 26: Portable Monitor Mount

Quantity: 7

Specification	Description / Features
Portable Monitor Stand	Ultra-Lightweight: Just 225g (0.5 lbs). Adjustable Height: Extends up to 39cm for an ergonomic screen height. Compact & Travel-Friendly: Folds down to just 22cm for seamless storage in your bag. Weight limit: Holds portable monitors up to 900g (2 lbs)

Item 27: Wireless Mic System

Warranty: Minimum 6 Months

Quantity: 2

Specification	Description / Features
Wireless Reciever	Power Requirements: 12–15 V DC supplied by external power supply Output Impedance: XLR connector: 200 Ω 6.35 mm (1/4") connector: 50 Ω Audio Output Level: XLR connector: –27 dBV (into 100 kΩ load) 6.35 mm (1/4") connector: –13 dBV (into 100 kΩ load) RF Sensitivity: -105 dBm for 12 dB SINAD, typical Image Rejection: >50 dB, typical
Bodypack Transmitter	Audio Input Level: gain max -16 dBV maximum min (0 dB): +10 dBV maximum Gain Adjustment Range: 26 dB Input Impedance: 1MΩ RF Transmitter Output: 10 mW Power Requirements: 2 LR6 AA batteries
Handheld Transmitter	Audio Input Level: gain 0dB -20 dBV maximum -10dB: -10 dBV maximum Gain Adjustment Range: 10 dB RF Transmitter Output: 10 mW

Item 28: 2.0 Usb Pendrive 16GB

Quantity: 4

Specification	Description / Features
2.0 USB Pendrive 16GB	A USB 2.0 pen drive, officially known as **Hi-Speed USB**, offers a theoretical maximum signaling rate of **480 megabits per second (Mbps)**, a significant improvement over its predecessor. In practice, however, typical real-world transfer speeds usually max out around 30-40 megabytes per second (MB/s).

Item 29: Portable Touch monitor

Warranty: Minimum 12 Months

Quantity: 5

Specification	Description / Features
Display Size	15.6"
Active Display Area(mm)	344x194
Panel type	In-Plane Switching
Max. Resolution and Refresh Rate	USB-C: 1920x1080@144Hz
Mini HDMI: 1920@1080@144Hz	
Response Time	8ms (G to G)
Contrast Ratio	1200:1 (Native)
Brightness	250 cd/m2

Secretariat of Kulhudhuffushi City Council

Kulhudhuffushi, Rep of Maldives

Viewing Angle	170°(H), 170°(V)
Colors	16.7M
Color gamut	45% NTSC
Bits	6Bit+FRC
Input Signal	2 x USB-C
1 x Mini HDMI	
1 x Micro-USB	
Speaker + Audio out	
VESA Wall Mounting	N/A
Speaker	1W x 2
Power Supply (100 - 240 V)	External Adapter
Tilt	0° – 80°
Swivel	N/A
Pivot	N/A

Item 30: Camera Side bag 3L
Quantity: 2

Specification	Description / Features
Camera Side bag 3L	Black Sling Strap, Handle Zipper Adjustable Dividers (Hook & Loop) Water Resistant (Material) Exterior 12.01 x 7.68 x 4.33" / 30.51 x 19.51 x 11 cm Interior 7.8 x 3.5 x 2.52" / 19.81 x 8.89 x 6.4 cm Weight 0.99 lb / 0.45 kg (Empty)

Item 31: Windows Tablet
Quantity: 2
Warranty: Minimum 12 months
Product Specifications

Specification	Description / Features
Processor	Snapdragon X Plus (10 Core), with LCD display
NPU	Qualcomm Hexagon with 45 TOPS
Graphics	Qualcomm Adreno GPU
Memory and storage	16GB RAM Removable solid-state drive (Gen 4 SSD): 256GB
Display	Touchscreen: 13" PixelSense Flow display20 Resolution: 2880 x 1920 (267 PPI) Aspect ratio: 3:2 Contrast ratio: 1200:1

	Dynamic refresh rate: up to 120Hz
	Color profile: sRGB and Vivid
	Individually color-calibrated display
	Adaptive color
	Adaptive contrast
	Auto color management
	Touch: 10-point multi-touch
	Dolby Vision IQ™21
	Corning® Gorilla® Glass 5
	Brightness: SDR: 600 nits maximum (typical)
	HDRvi: 600 nits peak luminance
Size and weight	Length: 11.3 inch (287 mm)
	Width: 8.2 inch (209 mm)
	Height: 0.37 inch (9.3 mm)
	Weight: 1.97 lbs (895 g)
Security	Enhanced security with Microsoft Pluton TPM 2.0
	Windows 11 Secured-core PC
	Windows Hello face authentication with Enhanced Sign-in security
	Microsoft Defender – for enhanced identity and privacy protection*
Cameras	Quad HD front-facing camera
	1440p Quad HD camera with ultrawide field of view
	10MP Ultra HD rear-facing camera
	Windows Hello face authentication camera
Audio	Dual Studio Mics with enhanced voice focus
	2W stereo speakers with Dolby Atmos
	Support for Bluetooth LE Audio
Ports and charging	2 X USB-C® / USB4 ports with support for:
	Charging
	Data transfer
	DisplayPort 1.4a
	Thunderbolt 4 Dock and other accessories
	Supports fast charging
	Keyboard port
Network and connectivity	Wi-Fi 7
	Bluetooth® Core 5.4 technology
Operating System	Windows 11
Exterior	Color: Sapphire
Kickstand	Kickstand with 165 degrees full friction hinge
Sensors	Ambient color sensor
	Accelerometer
	Gyroscope
	Magnetometer

Item 32: Wi-Fi 6 APN

Quantity: 4

Warranty: Minimum 06 months

Authorization Letter: Required

Specification	Description / Features
Wi-Fi APN	Dimensions Ø220 x 48.1 mm Environment Indoor/Outdoor 2.4 GHz Radio Rate 800 Mbps 5 GHz Radio Rate 1733 Mbps PoE Mode 802.3at PoE+ Ports (2) 10/100/1000 Ethernet Wi-Fi Users 500+ Users Wi-Fi 6

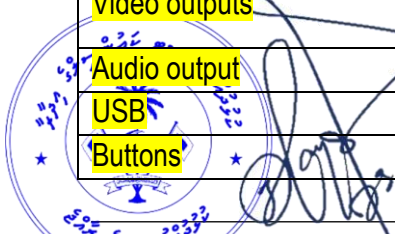## Item 33: Document Scanner

Quantity: 2

Warranty: Minimum 06 months

Specification	Description / Features
Connectivity Technology	Wi-Fi
Product Dimensions	11.6"D x 11.6"W x 6.9"H
Resolution	300
Item Weight	8.1 Pounds
Wattage	11 watts
Color Depth	8 bpp
Standard Sheet Capacity	50

Item 34: Wireless Miracast Device

Quantity: 7

Warranty: Minimum 03 months

Specification	Description / Features
Operating system	Windows 10 and higher macOS 11and higher Android v11 and higher iOS 14 and higher
System requirements	For smooth experience with Microsoft Teams or Zoom Minimum: Intel i3 dual-core processor or AMD Ryzen 7 / 8GB RAM / OS: Windows 10 latest build or Mac OS Mojave latest build Recommended: Intel i5 4-core processor or AMD Ryzen 9 / 8GB RAM / OS: Windows 11 latest build or Mac OS latest build
Video outputs	4K UHD (3840*2160) 30Hz. HDMI™ 1.4b or USB-C DisplayPort 1.2 (only Gen2)
Audio output	USB, HDMI
USB	1 X USB-A, 1 X USB-C
Buttons	2

App	Desktop & Mobile
Native protocols	Airplay, Google Cast, Miracast
Maximum sources simultaneously on screen	2
Noise Level	Max. 25dBA @ 0-30°C Max. 30dBA @ 30-40°C
Authentication protocol	WPA2-PSK in standalone mode WPA2-PSK or IEEE 802.1X using the Button in network integration mode
Wireless transmission protocol	IEEE 802.11 a/g/n/ac and IEEE 802.15.1
Reach	Max. 30m (100 ft) between Button and Base Unit Frequency band 2.4 GHZ and 5 GHz (DFS)
Frequency band	1x Ethernet LAN 1Gbit 1x USB-C 2.0 (front); 1x USB-A 2.0 (front) -only Gen2: 1x USB-C 3.0 (front); 1x USB-A 3.0 (front)
Connections	1x Ethernet LAN 1Gbit 1x USB-C 2.0 (front); 1x USB-A 2.0 (front) -only Gen2: 1x USB-C 3.0 (front); 1x USB-A 3.0 (front)
Temperature range	Operating: 0°C to +40°C (+32°F to +104°F) Max: 35°C (95°F) at 3000m Storage: -20°C to +60°C (-4°F to +140°F)
Humidity	Storage: 0 to 90% relative humidity, non-condensing Operation: 0 to 85% relative humidity, non-condensing
Anti-theft system	Kensington lock
Certifications	FCC/CE
Touch screen support & Interactivity	Yes
Wireless conferencing	via App or Button
Local view	Yes
Network connection	LAN & WiFi

Item 35: Portable Conference Camera Pillar (all in one)

Quantity: 4

Warranty: Minimum 06 months

Specification	Description / Features
Portable Conference Camera Pillar (all in one)	Design: The device features a sleek, all-in-one design that is easy to use, manage, and portable, allowing for quick meeting setups. Video: It provides 1080p HD video imaging with a 120° wide-angle viewing without distortion, ensuring everyone in the room is visible. Audio: The All-in-One Pillar X12 includes an integrated speaker and four microphones to ensure clear audio pick-up and playback. Functionality: It supports smart features like auto-framing and speaker focusing to enhance the conferencing experience. Compatibility: The device is compatible with popular video conferencing software such as Zoom, Webex, Tencent Meeting, WeChat, and Ding Talk. Connectivity: The camera component connects via USB 2.0.

Item 36 :IP bullet Camera (Outdoor Specialized))
Quantity: 80
Warranty: Minimum 06 months
Authorization Letter: Required

Specification	Description / Features
IP Bullet Camera (Outdoor Specialized)	F1.0 lens and sensitive sensors capture more light for full-color video in near darkness. Warm LED lights are used to illuminate scenes in low light, enabling vivid color imaging. AI-powered analytics can distinguish between humans and vehicles, reducing false alarms. High-quality construction and weather resistance ensure durability. Some advanced models offer features like panoramic views, 4MP resolution, and smart dual-light technology. Should Support Hikvision NVR

Item 37: Dome Camera
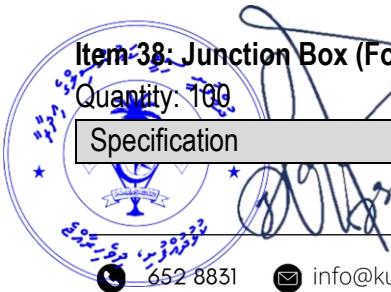**Quantity**: 70
Warranty: Minimum 06 months
Authorization Letter: Required

Specification	Description / Features
4MP Fixed IR Dome Network Camera	High quality image with 4MP, 1/3" CMOS sensor 4MP (2560 × 1440) @25/20 fps; 3MP (2304 × 1296) @25/20 fps; 2MP (1920 × 1080) @30/25 fps Ultra 265, H.265, H.264 Smart IR, up to 30 m (98 ft) IR distance Day/night functionality 2D/3D DNR (Digital Noise Reduction) IP67 protection IK10 vandal resistant DC12 V or PoE (IEEE 802.3af) power supply Should Support Hikvision NVRs

Item 38: Junction Box (For IP Bullet Camera)
Quantity: 100

Specification	Description / Features

Specification	Description / Features
Junction Box (For IP Bullet Camera)	Material: Aluminum alloy or tough, UV-resistant plastic. Weather Rating: IP66 for outdoor use. Cable Management: Features multiple concealed ports for wire entry. Mounting: Pre-drilled holes for compatibility with most bullet camera bases. Dimensions: Varies; check the specific product for measurements. Should support Bullet camera's base

Item 39: Junction Box (For IP dome camera)

Quantity: 100

Specification	Description / Features
Junction Box (For IP dome camera)	Material: Aluminum alloy or tough, UV-resistant plastic. Weather Rating: IP66 for outdoor use. Cable Management: Features multiple concealed ports for wire entry. Mounting: Pre-drilled holes for compatibility with most bullet camera bases. Dimensions: Varies; check the specific product for measurements. Should support Bullet camera's base

Item 40: Surveillance Hard Disk (8TB)

Quantity: 8

Warranty: Minimum 06 months

Specification	Description / Features
Surveillance Hard Disk (8TB)	24/7 Reliability: Built for constant, high-volume video recording, unlike standard desktop drives. Optimized Firmware: Manages continuous streams to prevent dropped frames. Anti-Vibration (RV) Sensors: For stable performance in multi-drive systems (on high-end models). Low Power: Designed for cooler operation and reliability in always-on environments.

Item 41: 1 HDD NVR

Quantity: 5

Warranty: Minimum 06 months

Authorization Letter: Required

Specification	Description / Features
1 HDD NVR	• Support Ultra265/H.265/H.264 video formats • 16-channel or more input • Third-party IP cameras supported with ONVIF conformance: Profile S, Profile G, Profile T • HDMI and VGA simultaneous output • Up to 8 Megapixels resolution recording

	• Accurate retrieval, instant playback • 2 SATA HDDs, up to 10TB for each HDD • Support cloud upgrade

Item 42: 24 port POE switch
Quantity: 5
Warranty: Minimum 06 months
Authorization Letter: Required

Specification	Description / Features
24 port POE switch	24 Gigabit Ethernet ports, with PoE for powering devices. Two SFP ports for Gigabit fiber uplinks. Managed and configured via a network controller

Item 43: 16 port POE switch

Quantity: 5

Warranty: Minimum 06 months

Authorization Letter: Required

Specification	Description / Features
16 port POE switch	16 Gigabit Ethernet ports, with PoE for powering devices. Two SFP ports for Gigabit fiber uplinks. Managed and configured via a network controller

Item 44: UPS Power Backup 1000VA / 600W

Quantity: 15

Warranty: Minimum 06 months

Specification	Description / Features
UPS Power Backup 1000VA / 600W	Power Capacity (VA/Watts): Indicates the maximum load the UPS can handle. Runtime: The amount of time a UPS can power connected equipment during an outage. Automatic Voltage Regulation (AVR): Corrects minor voltage fluctuations without switching to battery power. Outlets: Provides multiple outlets for power and surge protection. User-Replaceable Batteries: Allows trained users to swap batteries without shutting down the UPS. Automatic Self-Test: Periodically checks the battery status to detect potential issues. Surge Protection: Protects equipment from power surges and spikes.

Item 45: CAT6 Network Cable (Standard CAT6 Cables)

Quantity: 4

Specification	Description / Features
Cat6 Network Cable roll	Data rate support: 1000Base-T (Gigabit) and maximum to 10GBase-T, over shorter distances. Space management: The thinner size is ideal for high-density environments, such as patch panels in server racks, as it promotes better airflow and is easier to route. PoE support: Can be used with PoE (Power over Ethernet) switches, but performance may be limited to lower-power applications due to the smaller conductors, which can get hotter. Shielding: Most commonly found in an unshielded twisted pair (UTP) configuration. Roll should have at least 305 meters of length