

ފޯމިއުލާޝަން ޖަހާލެވިފައި ވާ ޖަދުވަލު

ހަދުހުނުމަތީ ޤައުމީ ރާއްޖޭގެ ޖުމްހޫރިއްޔާ ގުޅިގެން (IUL)240-CA/240/2024/10	ސަލާހު ދަލީލު ހަދުހުނުމަތީ ރަޖިސްޓްރީ
23 ޖަނުވަލީ 2024	ހަދުހުނުމަތީ ޖުމްހޫރިއްޔާ ހަދުހުނުމަތީ ޖުމްހޫރިއްޔާ
PC-240/2024/G-02	ފޯމިއުލާޝަން ޖަހާލެވިފައި ވާ ޖަދުވަލު ފޯމިއުލާޝަން ޖަހާލެވިފައި ވާ ޖަދުވަލު



Frame Frequency	≥60Hz
Scanning Method	16S
Brightness	3500-4500CD/m ²
Grayscale/Color	12/14/16 bit
Contrast	≥10000: 1
Attenuation Rate (after working for 3 years)	≤15%
Brightness Adjustment Method	Automatic / manual: 1-100%
Computer Operating System	WIN98 / 2000 / WIN XP / WIN Vista / WIN7
MTBF	≥10000H
Lifespan	≤100000H
Failed Rate	≤1/10000 and no continuous failed pixels
Software	Professional LED video wall programming software
Mounting Cabinet Specification	Die-casting aluminum cabinet
Brightness Uniformity	≥98%
Protection Level	Front IP65/ Rear IP54
Operating Humidity	10% ~ 80% no condensation
Operating Voltage (AC)	220V±10% / 50Hz or 110V±10% / 60Hz
Average Power Consumption	≤371W/m ²
Maximum Power Consumption	≤1112W/m ²
Storage Temperature	-35°C ~ + 85°C
Temperature-operating	- 10°C~+40°C
Others	Flying case 3% spare part

Must Include All Necessary Cables



LOT 4:

NVR (Network Video Recorders)		02	02
		02	
<p>Video And Audio</p> <p>IP Video Input 16-ch Incoming Bandwidth 320 Mbps Outgoing Bandwidth 400 Mbps HDMI Output 2 Port 8K (7680 × 4320)/30Hz, 4K (3840 × 2160)/60Hz, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz VGA Output 2 Port 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz Video Output Mode HDMI 1 and VGA 1 provide simultaneous video output, and work as the main output; HDMI 2 and VGA 2 provide simultaneous video output, and work as the auxiliary output CVBS Output 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480 Audio Output 2-ch, RCA (Linear, 1 KΩ) Two-Way Audio 1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)</p> <p>Decoding</p> <p>Decoding Format H.265+/H.265/H.264+/H.264 Recording Resolution 32 MP/24 MP/12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF Synchronous Playback 16-ch Decoding Capability 2-ch@32 MP (30 fps)/8-ch@8 MP (30 fps)/16-ch@4 MP (30 fps)/32-ch@1080p (30 fps) Audio Compression G.711ulaw/G.711alaw/G.722/G.726/AAC/MP2L2/PCM</p> <p>Network</p> <p>Network Protocol TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS Network Interface 2, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface</p> <p>RAID</p> <p>RAID Type RAID0, RAID1, RAID5, RAID6, RAID10</p> <p>Auxiliary Interface</p> <p>Serial Interface 1 RS-485 (full-duplex), 1 RS-232 SATA 8 SATA interfaces ESATA 1 eSATA interface Capacity Up to 14 TB capacity for each disk</p>		<p>02</p> <p>02</p>	



Alarm In/Out	16/9
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 2 × USB 3.0
Ctrl 12V	Controllable 12 VDC, 1 A power output for external alarm device; The power will be turned on when the alarm output is triggered.
	*: The Ctrl 12V power is controlled by alarm output 9.
DC 12V	12 VDC, 1 A power output
General	
Power Supply	100 to 240 VAC, 50 to 60 Hz
Consumption	≤ 50 W (without HDD)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10% to 90%
Chassis	2U chassis
Dimension (W × D × H)	445 × 465 × 93 mm (17.5"× 18.3" × 3.7")
Certification	
Obtained Certification	CE, FCC
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032:2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4



Camera

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High quality imaging with 8 MP resolution

Image Sensor	2 × 1/1.8" Progressive Scan CMOS
Max. Resolution	5120 × 1440
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light
Shutter Time	1/3 s to 1/100,000 s
Angle Adjustment	Pan: -30° to 30°, tilt: -75° to 75°

Lens

Lens Type	Fixed focal lens, Dual lens: 4 mm
Focal Length & FOV	4 mm, horizontal FOV: 180°, vertical FOV: 44°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
Depth Of Field	3.6 m to ∞

DORI

DORI	4 mm, D: 77 m, O: 30 m, R: 15 m, I: 7 m
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Illuminator

Supplement Light Type	White Light
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes

Video

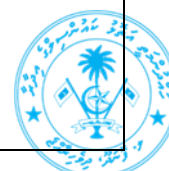
Main Stream	When WDR is On:
	50 Hz: 12.5 fps (5120 × 1440)
	60 Hz: 15 fps (5120 × 1440)
	When WDR is Off:
50 Hz: 20 fps (5120 × 1440)	
	60 Hz: 20 fps (5120 × 1440)
Sub-Stream	When WDR is On:



	50 Hz: 12.5 fps (1920 × 536, 960 × 272)
	60 Hz: 15 fps (1920 × 536, 960 × 272)
	When WDR is Off:
	50 Hz: 20 fps (1920 × 536, 960 × 272)
	60 Hz: 20 fps (1920 × 536, 960 × 272)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile,Main Profile,High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR,VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region Of Interest (ROI)	1 fixed region(s) for main stream
Audio	
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4/IPv6, UDP, Bonjour, SSL/TLS, ISUP, ARP, WebSocket, WebSockets
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest




	<p>authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)</p>	
Network Storage	<p>NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR),NVR,</p> <p>Together with high-end Hikvision memory card, memory card encryption and health detection are supported.</p>	
Client	iVMS-4200,Hik-Connect,Hik-Central	
Web Browser	<p>Plug-in required live view: IE 10, IE 11 ,</p> <p>Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+,</p> <p>Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+</p>	
Image		
Image Parameters Switch	Yes	
Image Settings	saturation,brightness,contrast,sharpness,gain,white balance,adjustable by client software or web browser	
Day/Night Switch	Day,Night,Auto,Schedule	
Wide Dynamic Range (WDR)	130 dB	
SNR	≥ 52 dB	
Image Enhancement	BLC,HLC,3D DNR	
Interface		
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port	
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC/TF card, up to 512 GB	
Built-In Microphone	Yes	
Built-In Speaker	<p>1 input (line in), terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium,</p> <p>1 output (line out), terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium</p>	
Audio	1 input (line in), terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium,	



	1 output (line out), terminal block, max. output amplitude: 3.3 V _{pp} , output impedance: 100 Ω, interface type: non-equilibrium	
Alarm	1 input, 1 output (max. 24 VDC, 1 A)	
Reset Key	Yes	
Event		
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), alarm input and output, flashing alarm light output, audible alarm output, exception	
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection	
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture, audible warning, white light flashing	
Deep Learning Function		
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting (support alarm triggering by specified target types (human and vehicle))	
General		
Power	12 VDC ± 25%, 0.79 A, max. 9.5 W, Ø5.5 mm coaxial power plug, PoE: 802.3af, Class 3, 36 V to 57 V, 0.29 A to 0.18 A, max. 10.5 W	
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	
Startup And Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)	
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian	
General Function	Anti-flicker, heartbeat, password reset via email, password protection, one-key reset	



Flashing Light	Yes	
Approval		
EMC	FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7	
Safety	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017	
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	
Protection	IP67: IEC 60529-2013	
		



Camera**High quality imaging with 8 MP resolution**

Image Sensor 1/1.8" Progressive Scan CMOS

Max. Resolution 3840 × 2160

Min. Illumination Color: 0.003 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR

Shutter Time 1/3 s to 1/100,000 s

Day & Night IR cut filter

Angle Adjustment Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°

Lens

Lens Type Fixed focal lens, 2.8, 4, and 6 mm optional

Focal Length & FOV 2.8 mm, horizontal FOV 111°, vertical FOV 59°, diagonal FOV 131°

4 mm, horizontal FOV 87°, vertical FOV 47°, diagonal FOV 102°

6 mm, horizontal FOV 51°, vertical FOV 28°, diagonal FOV 60°

Lens Mount M12

Iris Type Fixed

Aperture F1.6

DORI

DORI 2.8 mm: D: 89.2 m, O: 35.4 m, R: 17.8 m, I: 8.9 m

4 mm: D: 99.4 m, O: 39.4 m, R: 19.9 m, I: 9.9 m

6 mm: D: 140.0 m, O: 55.6 m, R: 28.0 m, I: 14.0 m

Illuminator

Supplement Light Type IR

Supplement Light Range Up to 30 m

Smart Supplement Light Yes

IR Wavelength 850 nm

Video

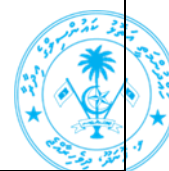
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Main Stream	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings.
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region Of Interest (ROI)	1 fixed region for main stream and sub-stream
Target Cropping	Yes
Audio	
Audio Type	-U: mono sound
Audio Compression	-U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Audio Bit Rate	-U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)
Audio Sampling Rate	-U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes



Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200,Hik-Connect,Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11 , Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
Image	
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Day,Night,Auto,Schedule
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Image Enhancement	BLC,HLC,3D DNR
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port




On-Board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Built-In Microphone	-U: Yes
Reset Key	Yes
Event	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Smart Event	Scene change detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture
Deep Learning Function	
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting (support alarm triggering by specified target types (human and vehicle))
Deep Learning Function	
Face Capture	Yes
General	
Power	12 VDC ± 25%, 0.48 A, max. 5.8 W, Ø5.5 mm coaxial power plug, reverse polarity protection PoE: 802.3af, Class 3, 36 V to 57 V, 0.19 A to 0.12 A, max. 6.8 W
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup And Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-flicker, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter
Approval	
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); KC (KN 32: 2015, KN 35: 2015)



Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013)	
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)	
Protection	IP67 (IEC 60529-2013)	
		



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<p>Camera</p> <p>High quality imaging with 8 MP resolution</p> <p>Image Sensor 1/1.8" Progressive Scan CMOS</p> <p>Max. Resolution 3840 × 2160</p> <p>Min. Illumination Color: 0.0008 Lux @ (F1.0, AGC ON), 0 Lux with light</p> <p>Shutter Time 1/3 s to 1/100,000 s</p> <p>Day & Night 24/7 color imaging</p> <p>Angle Adjustment Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°</p> <p>Lens</p> <p>Lens Type Fixed focal lens, 2.8 and 4 mm optional</p> <p>Focal Length & FOV 2.8 mm, horizontal FOV 109°, vertical FOV 59°, diagonal FOV 130° 4 mm, horizontal FOV 93°, vertical FOV 49°, diagonal FOV 111°</p> <p>Lens Mount M16</p> <p>Iris Type Fixed</p> <p>Aperture F1.0</p> <p>Depth Of Field 2.8 mm: 3.1 m to ∞ 4 mm: 3.5 m to ∞</p> <p>DORI</p> <p>DORI 2.8 mm, D: 84 m, O: 33 m, R: 16 m, I: 8 m 4 mm, D: 102 m, O: 40 m, R: 20 m, I: 10 m</p> <p>Illuminator</p> <p>Supplement Light Type White Light</p> <p>Supplement Light Range Up to 30 m</p> <p>Smart Supplement Light Yes</p> <p>Video</p> <p>Main Stream 50 Hz:</p>	<p>08</p> <p>08</p> 

	25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
	60 Hz:
	24 fps (3840 × 2160)
	30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)
	60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region Of Interest (ROI)	1 fixed region(s) for main stream and sub-stream
Audio	
Audio Type	-SU: mono sound
Audio Compression	-SU: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	-SU: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	-SU: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	-SU: Yes
Network	



Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T),ISAPI,SDK,ISUP
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS),Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200,Hik-Connect,Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Parameters Switch	Yes
Image Settings	Rotatemode,saturation,brightness,contrast,sharpness,gain,white balance,adjustable by client software or web browser
Day/Night Switch	Day,Night,Auto,Schedule
Wide Dynamic Range (WDR)	130 dB
SNR	≥ 52 dB
Image Enhancement	BLC,HLC,3D DNR
Privacy Mask	4 regions of privacy mask
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port



On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-In Microphone	-SU: Yes
Audio	-SU: 1 input(s) (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K Ω , interface type: non-equilibrium, 1 output(s) (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω , interface type: non-equilibrium
Alarm	-SU: 1 input(s), 1 output(s) (max. 12 VDC, 30 mA)
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection
Linkage	Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger recording,trigger capture,audible warning (-SU), trigger alarm output (-SU), supplement light
Deep Learning Function	
Face Capture	Yes
General	
Power	12 VDC \pm 25%, 0.6 A, max. 7 W, \emptyset 5.5 mm coaxial power plug,reverse polarity protection,PoE: IEEE 802.3af, Class 3, max. 8.5 W
Storage Conditions	-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)
Startup And Operating Conditions	-30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian



General Function	Heartbeat,anti-banding,mirror,flash log,password reset via email,pixel counter,password protection,one-key reset,three streams	
Approval		
EMC	FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7	
Safety	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, LOA: IEC/EN 60950-1	
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006	
Protection	IP67: IEC 60529-2013,IK10: IEC 62262:2002	
		



Plastic outdoor Table round	
	<p style="text-align: right;">10</p> <p style="text-align: right;">10</p>
<p>4FT Plastic Round Dining Table HDPE table top Steel frame with powder-coated Color: White Overall size: 1150*H740*T45mm Ideal for outdoor and indoor use Heavy duty trestle Foldable</p> <div style="text-align: center;">  </div>	<p style="text-align: right;">10</p>



7. **මුදල් ගනුදෙනු**

7.1 මුදල් ගනුදෙනු සඳහා වන අවධානය යොමු කිරීමේදී ප්‍රධාන අරමුණ වන්නේ මුදල් ප්‍රතිපාදන ක්‍රමය වන බවයි.

සඳුන්වනු ලබන මුදල් ගනුදෙනු වලින් වැඩිම කොටසක් මුදල් ගනුදෙනු මගින් සමපාදනය කිරීමට යොමු කළ යුතුය.

7.2 මුදල් ගනුදෙනු සඳහා වන අවධානය යොමු කිරීමේදී ප්‍රධාන අරමුණ වන්නේ මුදල් ප්‍රතිපාදන ක්‍රමය වන බවයි.

මුදල් ගනුදෙනු 3 ක් මුදල් ගනුදෙනු මගින් සමපාදනය කිරීමට යොමු කළ යුතුය.

7.3 අවධානය යොමු කිරීමේදී මුදල් ගනුදෙනු 3 ක් මුදල් ගනුදෙනු මගින් සමපාදනය කිරීමට යොමු කළ යුතුය.

7.4 ජාතික මට්ටමේ මුදල් ගනුදෙනු සඳහා වන අවධානය යොමු කිරීමේදී ප්‍රධාන අරමුණ වන්නේ මුදල් ප්‍රතිපාදන ක්‍රමය වන බවයි.

7.5 මුදල් ගනුදෙනු සඳහා වන අවධානය යොමු කිරීමේදී ප්‍රධාන අරමුණ වන්නේ මුදල් ප්‍රතිපාදන ක්‍රමය වන බවයි.

8. **මුදල් ගනුදෙනු/විද්‍යාල**

8.1 ජාතික මට්ටමේ මුදල් ගනුදෙනු සඳහා වන අවධානය යොමු කිරීමේදී ප්‍රධාන අරමුණ වන්නේ මුදල් ප්‍රතිපාදන ක්‍රමය වන බවයි.

අවධානය යොමු කිරීමේදී මුදල් ගනුදෙනු සඳහා වන අවධානය යොමු කිරීමේදී ප්‍රධාන අරමුණ වන්නේ මුදල් ප්‍රතිපාදන ක්‍රමය වන බවයි.

8.2 මුදල් ගනුදෙනු සඳහා වන අවධානය යොමු කිරීමේදී ප්‍රධාන අරමුණ වන්නේ මුදල් ප්‍රතිපාදන ක්‍රමය වන බවයි.

8.3 මුදල් ගනුදෙනු සඳහා වන අවධානය යොමු කිරීමේදී ප්‍රධාන අරමුණ වන්නේ මුදල් ප්‍රතිපාදන ක්‍රමය වන බවයි.

8.4 මුදල් ගනුදෙනු සඳහා වන අවධානය යොමු කිරීමේදී ප්‍රධාන අරමුණ වන්නේ මුදල් ප්‍රතිපාදන ක්‍රමය වන බවයි.



