यूको बैंक UCO BANK

सम्मान आपके विश्वास का Honours Your Trust

Invitation of Bids for installation of New CCTV System and AMC of already existing CCTV systems in our branches/office under Chandigarh Zonal Office.

A. Sealed bids are invited from reputed vendors for installation of new CCTV system and AMC of old CCTV system installed in branches of Chandigarh zone. Only those firm which fulfill the criteria will be considered for empanelment:-

1. Reputed vendor specializing in providing security gazettes to nationalized banks
2. Ability to undertake all Security Gazettes related installation work for all branches thought the zones
3. Have ability to provide hassle free services
4. Ability to commence services within 07 days from date of placement of order
5. Vendor should have local office in Chandigarh/Mohali.
6. Vendor should have a credible supervisory infrastructure and network for provision of maintenance of security gazettes as also for follow up with law enforcement agencies
7. Vendor should provide the latest Income Tax assessment order and PAN number
8. Vendor should have a Certificate of Registration with Registrar of companies or Registrar of firms or have letter of Proprietorship
9. Vendor should provide the latest audited balance Sheet
10. Vendor should be registered with shop and Establishment act and provide latest certificate for ESI corporation
11. Vendor should be registered under appropriate authority for service tax
12. Bank reserve the right to award the contract work to single service provider or can engage 02 service providers on negotiable rates. (Even bank can offer the contract to L-2 or L-3 bidder on negotiable rates if L-1 bidder fail to provide the service within stipulated time.

B. Application are to be sent in main envelope super Scribe with "**Tender for installation of new CCTV System and AMC of already existing CCTV system in branch/office**" to the undersigned in two sealed covers by 1500 Hrs. by or before **28th Feb 2025**, as under:

(a) Part-I Technical Bids to include profile of the company, List of Major Existing Clients, Registered number and sales tax details

(b) Pari-II Net rates (Inclusive of all taxes and levies) item wise be mentioned

c. Part –II will be opened only if bank is satisfied with part-I. Bank reserve the rights to reject any/ all the bids without assigning any reason thereto

D. Other terms & Condition are given at the annexure-I of this advertisement

E. Bids to contain non-refundable BD/BC of Rs. 2100/-in name of Zonal Manager UCO Bank Chandigarh payable at Chandigarh only.

Chief Manager (Security)
UCO Bank Zonal Office,
Bank Square, Sect-17B, Chandigarh

APPENDIX-'I'

OTHER MANDATORY REQUIREMENTS

1	All imported products, e.g. Cameras, DVRs should carry quality certification i.e. CE / FCC / UL. (Copies to be enclosed) and all Cable and PVC conduit i.e. ISI Mark (Should be marked as Annexure-1)
2	Products should be from ISO certified Manufacturer & Supplier. (Copies to Be Enclosed) (Should be marked as Annexure-2)
3	Copies of Back-To-Back Authorized Dealership Certificates to Be Enclosed (Should be marked as Annexure-3).
4	Local Address & Telephone Number of All Service Centers should be provided (Should be marked as Annexure-4).
5	Copies of ST / CST / VAT / Regn. No. (Should be marked as Annexure-6)
6	Copy of PAN No. Registration (Should be marked as Annexure-7)
7	Brochures / Technical Data Sheets of products offered (Should be marked as Annexure-8.1, 8.2, 8.3 etc).

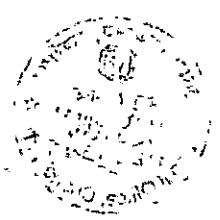
Signature Seal of the Vendor

Net Rates

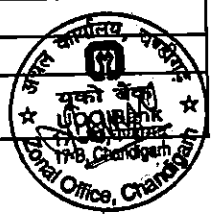
S. No	Description of Items	In INR
1	8 Channel DVR	Rs.
2	16 Channel DVR	Rs.
3	04 Channel(ATM DVR with screen).	Rs.
4	Dome Camera-02 MP	Rs.
5	IR bullet camera-2 MP	Rs.
6	C Mount Camera-02 MP	Rs.
7	IP Camera-2 MP	Rs.
8	LeD Monitor-19" (LG/Samsung/HP/Dell/Acer)	Rs.
9	RG 6 Video Coaxial, two core 14 x 36 power cable	Rs.
10	PVC pipe/Meter	Rs
11	Networking cable (Cat-06)	Rs.
12	Power supply-10 AMP Power Supply-05 AMP	Rs. Rs.
13	AMC Charges (Non comprehensive) 08/16 Channel DVR 04 Channel (Locker room) IP Cam, BH room	Rs. Rs. Rs. Rs.
14	HDD Seagate/WD/Toshiba -03 TB. -04 TB. -06 TB.	 Rs. Rs. Rs.
15	08/16 Channel DVR temper proof locking arrangement, per branch	Rs.
16	Central Monitoring System/ Per branch	Rs.
17	5 Port networking switch	Rs.
18	8 Port POE Switch Giga.	Rs.
19	VGA/HDMI cable. -3 Mtrs. -5 Mtrs.	 Rs. Rs.
20	BNC Connectors	Rs.
21	RJ-45 Connectors.	Rs.
22	Wireless Mouse.	Rs.
23	Buy back of old CCTV DVR, per branch	Rs.
24	Installation charges/ One time	Rs.

HD DVR for 4 Channel 2 SATA			
S.N	Parameter	Specification	Compliances
1	Compatibility	Analog cameras (mandatory), AHD, CVI, TVI (minimum one out of the three other than itself)	
2	Main Processor / Operating System	Embedded	
3	System Resources	Pentaplex function: recording, playback, live view, backup, remote access over IP network	
4	Recorder Control Options	Video Front panel, IR Based remote control, Keyboard (Both RS485 and IP), IP Network, USB mouse	
5	Analog /-HD Camera Input	Minimum 4 BNC	
7	Recorder Video Output	Minimum 1 VGA, 1 HDMI	
8	Recorder Audio Input	Minimum 1 audio channel, BNC or RCA	
9	Recorder Audio Output	Minimum 1 audio channel, BNC or RCA	
10	Recorder Bidirectional Talk	1 channel Input, BNC, 1 channel Output, BNC or RCA	
11	Display Screen Mode	1,4,8,9,16,32 ALL (Window)	
12	Camera Scheduling	Supported (Continuous/Motion/Event based)	
13	On Screen Display	Date, Time , Camera Title, Video loss alert, motion detection alert, recording, camera lock alert, camera tampering, camera masking.	
14	Video/Audio Compression	H.265/H.264/G.711 respectively (One Channel) or higher	
15	Image Resolution	1080p@25 fps, 1080p@30 fps, 720p@25 fps, 720p@30 fps;	
16	Encoding Stream	For 1080p stream access:1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)	
17	Video Encoding Bit Rate	Analog video: 32~2048Kb/s or higher, IP video: 32~4096Kb/s or higher	
18	Image Quality	6 levels (VBR/ CBR)	
19	Recording Mode	Manual, Schedule, Regular, Motion detection, Camera blank, Video loss. Stop Recording	
20	Recording Priority	Manual; Alarm; Motion Detection & Regular	
21	Recording Interval	Prerecord: 1sec to 30 sec., Post-record: 10sec ~ 5 minutes	
22	Alarm Input	Supported Minimum 4	
23	Relay Output	Supported	
24	Water Marking	Supported	
25	Playback Channel	Synchronous Playback 1,2,4,16	
26	Recorded Data Search Mode	Video Time & Date, Exact search (with Date, Hour, Minute and Second accuracy), Motion Detection, Alarm	
28	Playback Options	Play, Digital zoom (any size), Pause, Rewind, Slow motion, shift to Next file, shift to Previous file, one click Previous camera, one click Next camera, Full screen mode, Replay, Backup selection, Fast forward, Shuffling	
29	Operation Over Network	Monitor, Playback, File download, Log information, System setting,	
30	Hard Drive Storage Option	For 4 Channel – 2 SATA or better	
31	USB Interface	Minimum 2 Ports	
32	Power Supply	AC 100~240 V, 50/60 Hz	

33	Working Environment	All Indoor weather conditions	
34	Duplex type	Recorder should be able to playback recoded footage without having to stop recording	
35	Certificate	UL ,CE,FCC & BIS	
36	HDD quality	Surveillance Hard Disk: Sky Hawk/Western Digital	



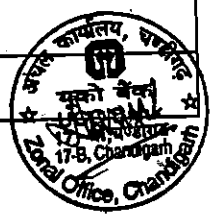
HD DVR for 8 Channel 4 SATA			
S.N	Parameter	Specification	Compliances
1	Compatibility	Analog cameras (mandatory), AHD, CVI, TVI	
2	Main Processor / Operating System	Embedded	
3	System Resources	Pentaplex function: recording, playback, live view, backup, remote access over IP network	
4	Recorder Control Options	Video Front panel, IR Based remote control, Keyboard (Both RS485 and IP), IP Network, USB mouse	
5	Analog / HD Camera Input	Minimum 4 BNC	
6	IP Camera Input	08 Ch. HD +4 IP Ch. (Total 12 IP Channel each upto 6 MP	
6	IP Camera Input	08 Ch. HD +4 IP Ch. (Total 12 IP Channel each upto 6 MP	
7	Recorder Video Output	Minimum 1 VGA, 1 HDMI	
8	Recorder Audio Input	Minimum 1 audio channel, BNC or RCA	
9	Recorder Audio Output	Minimum 1 audio channel, BNC or RCA	
10	Recorder Bidirectional Talk	1 channel Input, BNC, 1 channel Output, BNC or RCA	
11	Display Screen Mode	1,4,8,9,16,32 ALL (Window)	
12	Camera Scheduling	Supported (Continuous/Motion/Event based)	
13	On Screen Display	Date, Time , Camera Title, Video loss alert, motion detection alert, recording, camera lock alert, camera tampering, camera	
14	Video/Audio Compression	H.264 or better	
15	Image Resolution	1080p/720p/VGA/WD1/4CIF/CIF;	
16	Encoding Stream	For 1080p stream access:1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)	
17	Video Encoding Bit Rate	Analog video: 32~2048Kb/s or higher, IP video: 32~4096Kb/s or higher	
18	Image Quality	6 levels (VBR/ CBR)	
19	Recording Mode	Manual, Schedule, Regular, Motion detection, Camera blank, Video loss. Stop Recording	
20	Recording Priority	Manual; Alarm; Motion Detection & Regular	
21	Recording Interval	Prerecord: 1sec to 30 sec., Post-record: 10sec ~ 5 minutes	
22	Alarm Input	Supported Minimum 8	
23	Relay Output	Supported	
24	Water Marking	Supported	
25	Playback Channel	Synchronous Playback 1,2,4,16	
26	Recorded Data Search Mode	Video Time & Date, Exact search (with Date, Hour, Minute and Second accuracy), Motion Detection, Alarm	
28	Playback Options	Play, Digital zoom (any size), Pause, Rewind, Slow motion, shift to Next file, shift to Previous file, one click Previous camera, one click Next camera, Full screen mode, Replay, Backup selection, Fast forward, Shuffling	
29	Operation Over Network	Monitor, Playback, File download, Log information, System setting,	
30	Hard Drive Storage Option	For 8 Channel – 4 SATA , Should support up to 10 TB per SATA port	
31	USB Interface	Minimum 2 Ports and atleast 1 should be USB3.0	
32	Power Supply	AC 100~240 V, 50/60 Hz	
33	Working Environment	All Indoor weather conditions	
34	Duplex type	Recorder should be able to playback recoded footage without having to stop recording	



35	Certificate	UL ,CE,FCC & BIS	
36	HDD quality	Surveillance Hard Disk: Sky Hawk/Western Digital	

HD DVR 16 / 32 Channel 8 SATA

S.N	Parameter	Specification	Compliances for 32 CH
1	Compatibility	Analog cameras (mandatory), AHD, CVI, TVI (minimum one out of the three other than itself)	
2	Main Processor / Operating System	Embedded	
3	System Resources	Pentaplex function: recording, playback, live view, backup, remote access over IP network	
4	Recorder Control Options	Video Front panel, IR Based remote control, Keyboard (Both RS485 and IP), IP Network, USB mouse	
5	Analog / HD Camera Input	Minimum 4 BNC	
6	IP Camera Input	16 Ch. HD + 8 IP Ch. (32 Ch HD+ 16IP CH: 32 CH XVR)	
7	Recorder Video Output	Minimum 1 VGA, 1 HDMI	
8	Recorder Audio Input	Minimum 1 audio channel, BNC or RCA	
9	Recorder Audio Output	Minimum 1 audio channel, BNC or RCA	
10	Recorder Bidirectional Talk	1 channel Input, BNC, 1 channel Output, BNC or RCA	
11	Display Screen Mode	1,4,8,9,16,32 ALL (Window)	
12	Camera Scheduling	Supported (Continuous/Motion/Event based)	
13	On Screen Display	Date, Time , Camera Title, Video loss alert, motion detection alert, recording, camera lock alert, camera	
14	Video/Audio Compression	H.264 or better	
15	Image Resolution	1080p/720p/VGA/WD1/4CIF/CIF or better	
16	Encoding Stream	For 1080p stream access: 1080p/720p@15 fps; VGA/WD1/4CIF/CIF@25 fps (P)/30 fps (N)	
17	Video Encoding Bit Rate	Analog video: 32~2048Kb/s or higher, IP video: 32~4096Kb/s or higher	
18	Image Quality	6 levels (VBR/ CBR)	
19	Recording Mode	Manual, Schedule, Regular, Motion detection, Camera blank, Video loss. Stop Recording	
20	Recording Priority	Manual; Alarm; Motion Detection & Regular	
21	Recording Interval	Prerecord: 1sec to 30 sec., Post-record: 10sec ~ 5 minutes	
22	Alarm Input	Supported Minimum 16	
23	Relay Output	Supported Maximum 8	
24	Water Marking	Supported	
25	Playback Channel	Synchronous Playback 1,2,4,16,32	
26	Recorded Data Search Mode	Video Time & Date, Exact search (with Date, Hour, Minute and Second accuracy), Motion Detection, Alarm	
28	Playback Options	Play, Digital zoom (any size), Pause, Rewind, Slow motion, shift to Next file, shift to Previous file, one click Previous camera, one click Next camera, Full screen mode, Replay, Backup selection, Fast forward, Shuffling	
29	Operation Over Network	Monitor, Playback, File download, Log information, System setting,	



30	Hard Drive Storage Option	For 16 / 32 Channel – 8 SATA , should support up to 10 TB per SATA port	
31	USB Interface	Minimum 2 Ports and atleast 1 should be USB3.0	
32	Power Supply	AC 100~240 V, 50/60 Hz	
33	Working Environment	All Indoor weather conditions	
34	Duplex type	Recorder should be able to playback recoded footage without having to stop recording	
35	Certificate	UL ,CE,FCC & BIS	
36	HDD quality	Surveillance Hard Disk: Sky Hawk/Western Digital	

4CH ATM DVR			
Sl No.	PARAMETERS	Specifications	Compliance Yes/No
1	Operating system	Embedded RTOS / Linux / Windows	
2	CPU	32 bit DSP or more powerful	
3	Analog / HD Camera Input	4 Channel DVR	
4	Video surveillance Hard disk	Surveillance Grade DVR HDD	
5	HDD Slots	1 SATA	
6	Video Input	4 Ch (Only for ATMs)	
7	Display speed	100 fps for 4 channel (Only for ATMs) (25 fps for each channel)	
8	Compression method	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	
9	Display split screen (Screen mode)	1,4 for 4 channel,1,9 for 8 Channel &1,16 for 16 channel	
10	Encoding Resolution	WD1/4CIF/CIF@25 fps (P)/30 fps (N) or better resolution	
11	Audio Input	1-ch, RCA (2.0 Vp-p, 1 KΩ)	
12	Audio Output	1-ch, RCA (Linear, 1 KΩ)	
13	Synchronous Playback	4 Ch	
14	Independent Recording setting Per channel	Continuous, motion detection sensor activated, flexible date /time daily Schedule.	
15	Monitoring	4 channel real time Monitoring. Single mode & 2x2 Mode Sequential switching mode Switching out monitoring	
16	Searching / Playback	Date & Time based 1 channel searching and all channel simultaneous searching Replay up to 25 fps in each channel	
17	Video Intelligence	Should support Motion detection, Intrusion Detection	
18	Back Up facility	In built & provision for External portable HDD/Pen drive/through USB port. Player software to play back recorded video should automatically be loaded on to the external back up media so that it can be played back on any PC directly	
19	User Interface	On screen graphic User Interface(GUI)	
20	System recovery after power failure	Auto Re booting	
21	Operation for setting and searching	User friendly	
22	Multiple functionality	Should support pentaflex functions to perform all DVR functions at the same time, i.e., record, live view/playback, network (view remotely), administrative and backup. Client software for remote view shall be provided free of any charge if required.	
23	Compatibility	Should support all types of cameras	
24	Certifications	UL ,CE,FCC & BIS	
25	System operation	Micro processor based Password operated	

HD Fixed Dome			
S.No	Parameters	Specification	Compliance Yes/N
1	HD Technology	AHD, CVI, TVI, CVBS	
2	Image Sensor	1/3" 1080P CMOS Sensor /CCD or better	
3	Signal System	PAL	
4	Effective Pixels	1920(H)x1080(V)) or better	
5	Mini. Illumination	Color: 0.0005 Lux or better, 0 Lux IR on	
6	Video Output	1080P or higher @ 25 fps	
7	Display Resolution	1080P or higher @ 25 fps	
8	Recording Resolution	1080P or higher @ 25 fps	
9	Frame Rate	50Hz:1080p or higher @25fps	
10	SNR	≥52dB	
11	Sync System	Internal	
12	White Balance	Automatic	
13	Day & Night	Automatic	
14	Shutter	Automatic	
15	Auto Gain Control (AGC)	Automatic	
16	Noise Reduction (NR)	3DNR	
17	White Light	Up to 20 mtr	
18	Lens	3.6mm, 6mm	
19	WDR	120 db WDR	
20	Input Voltage	DC12V±10%	
21	IP Rating	IP67	
22	Operation Temp	-30° to +50° C	
23	Storage Humidity	90% or less	
24	Certification	UL ,CE,FCC & BIS	

HD Fixed Bullet			
S.No	Parameters	Specification	Compliance Yes/No
1	HD Technology	AHD, CVI, TVI, CVBS	
2	Image Sensor	1/3" 1080P CMOS Sensor /CCD or better	
3	Signal System	PAL	
4	Effective Pixels	1920(H)x1080(V)) or better	
5	Mini. Illumination	Color: 0.0005 Lux or better , 0 Lux IR On	
6	Video Output	1080P or higher @ 25 fps	
7	Display Resolution	1080P or higher @ 25 fps	
8	Recording Resolution	1080P or higher @ 25 fps	
9	Frame Rate	50Hz:1080p or higher @25fps	
10	SNR	≥52dB	
11	Sync System	Internal	
12.	White Balance	Automatic	
13	Day & Night	Automatic	
14	Shutter	Automatic	
16	Auto Gain Control (AGC)	Automatic	
17	Noise Reduction (NR)	3DNR	
18	White Light	Up to 30 mtr	
20	Lens	3.6mm	
21	Field of view	3.6 mm, horizontal FOV: 83.0°, vertical FOV: 44.4°, diagonal FOV: 98.0° 6 mm, horizontal FOV: 51.0°, vertical FOV: 28.5°, diagonal FOV: 58.7°	
22	WDR	120 db WDR (DWDR not acceptable)	
23	Input Voltage	DC12V±10%	
24	IP Rating	IP67	
25	Operation Temp	-30° to +50° C	
26	Storage Humidity	90% or less	
27	Certification	UL ,CE,FCC & BIS	

HD Varifocal Dome		
S.No	Parameters	Specification
1	HD Technology	AHD, CVI, TVI
2	Image Sensor	1/3" 1080P CMOS Sensor /CCD or better
3	Signal System	PAL
4	Effective Pixels	1920(H)x1080(V)) or better
5	Mini. Illumination	Mini. 0.01Lux@F1.2, AGC Illumination ON, 0 Lux with IR
6	Video Output	1080P or higher @ 25 fps
7	Display Resolution	1080P or higher @ 25 fps
8	Recording Resolution	1080P or higher @ 25 fps
9	Frame Rate	50Hz:720p or higher @25fps
10	SNR	≥52dB
12	Sync System	Internal
13	White Balance	Automatic
14	Day & Night	Automatic
15	Shutter	Automatic
16	Auto Gain Control (AGC)	Automatic
17	Noise Reduction (NR)	3DNR
18	IR Range	Up to 30m
19	Lens	2.8-12mm (verifocal)
20	WDR	120 db WDR (DWDR not acceptable)
21	Input Voltage	DC12V±10%
22	IP Rating	IP67 ,IK10
23	Operation Temp	0° to +50° C
24	Storage Humidity	90% or less
25	Certification	UL ,CE,FCC & BIS

Specifications: 2 MP IR Fixed Turret Network Camera(IP Camera)		
Sl No	Camera	
1	Image Sensor	1/2.8" Progressive Scan CMOS
2	Min. Illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON);
3		B/W: 0.001 Lux @(F1.2, AGC ON), 0.0028 Lux @(F2.0, AGC ON)
4	Shutter Speed	1/3 s to 1/100,000 s
5	Slow Shutter	Yes
6	Auto-Iris	No
7	Day & Night	IR Cut Filter
8	Digital Noise Reduction	3D DNR
9	WDR	120 dB
10	3-Axis Adjustment	Pan: 0°to 360°, tilt: 0°to 75°, rotate: 0°to 360°
	Lens	
11	Focal Length	2.8/4/6 mm
12	Aperture	F2.0
13	Focus	Fixed
14	FOV	2.8 mm: horizontal FOV: 103°, vertical FOV: 62°, diagonal FOV: 118°
		4 mm: horizontal FOV: 90°, vertical FOV: 48°, diagonal FOV: 109°
		6 mm: horizontal FOV: 55°, vertical FOV: 31°, diagonal FOV: 62°
17	Lens Mount	M12
	IR	
18	IR Range	Up to 40 m
19	Wavelength	850nm
	Compression Standard	
20	Video Compression	Main stream: H.265/H.264
		Sub-stream: H.265/H.264/MJPEG
		Third stream: H.265/H.264
21	H.264 Type	Baseline Profile/Main Profile/High Profile
22	H.264+	Main stream supports
23	H.265 Type	Main Profile
24	H.265+	Main stream supports
25	Video Bit Rate	32 Kbps to 8 Mbps
	Smart Feature-set	
26	Behavior Analysis	Line crossing detection, intrusion detection
27	Exception Detection	Scene change detection
28	Face Detection	Yes
29	Region of Interest	1 fixed region for main stream
	Image	
30	Max. Resolution	1920 × 1080
31	Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)
		60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
32	Sub-Stream	50Hz: 25fps (704 × 576, 640 × 480; 352 × 288, 320 × 240)

		60Hz: 30fps (704 × 480, 640 × 480, 352 × 240, 320 × 240)
33	Third Stream	50Hz: 1fps (352 x 240, 320 x 240)
		60Hz: 1fps (352 x 240, 320 x 240
34	Image Enhancement	BLC, 3D DNR, HLC
35	Image Settings	Rotate mode, saturation, brightness, contrast, sharpness adjustable by client software or web browser
36	Day/Night Switch	Day/Night/Auto/Schedule
	Network	
37	Network Storage	Support Micro SD/SDHC/SDXC card (128G), NAS (NFS, SMB/CIFS)
38	Alarm Trigger	Motion detection, video tampering, illegal login, HDD full, HDD error
39	Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, SNMP, IGMP, 802.1X, QoS, IPv6, BonjourPPPoE, NTP, UPnP™, SMTP,
41	General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
42	Firmware Version	V5.5.3
43	API	ONVIF (PROFILE S, PROFILE G), ISAPI
44	Simultaneous Live View	Up to 6 channels
45	User/Host	Up to 32 users, 3 levels: Administrator, Operator and User
48	Client	iVMS-4200, Hik-Connect, iVMS-5200, iVMS-4500
49	Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
	Interface	
50	Audio	1 built-in mic
51	Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
52	On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
	General	
53	Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)
54	Power Supply	12 VDC ± 25%, PoE (802.3af, class 3)
55	Power Consumption and Curr	PoE: (802.3af, 36V to 57V), 0.2 A to 0.1 A, max: 6.5W, 12 VDC, 0.4 A, max. 5.0W
56	Protection Level	IP67
57	Material	Shell: plastic, camera body: metal
58	Dimensions	Camera: F 114.6 × 82.1 mm (F 4.5" × 3.2")
		With package: 150 × 150 × 141 mm (5.9" × 5.9" × 5.6")
59	Weight	Camera: approx. 400 g (0.9 lb.)
		With package: approx. 500 g (1.1 lb.)
60	Certification	UL ,CE,FCC & BIS