

SPECIFICATION OF IR PTZ CAMERA			
1	Image Sensor	:	1/3" CMOS Sensor
2	Effective Pixels	:	1944(H) x 1092(V), 2 Megapixels
3	Synchronization	:	Internal
4	S/N Ratio	:	More than 50dB
5	Minimum illumination	:	0.01 Lux@F1.5 (AGC ON), 0 Lux with IR ON
6	IR Irradiation Distance	:	More than 80 meters
7	Focal Length	:	4.7mm~94mm
8	White Balance	:	Auto, ATW, Indoor, Outdoor, Manual
9	Angle of View	:	H: 55.0°~4.0°
10	Resolution	:	1920(H)x1080(V) (1080p)
11	Focus Control	:	Auto/Manual
12	Electronic Shutter	:	1/1 to 1/30,000 s
13	AGC control	:	Auto / Manual
14	Back Light Compensation	:	BLC / HLC / DWDR (Digital WDR)
15	Privacy Masking	:	Up to 24 areas
16	Remote Operations	:	Monitor, PTZ control, Voice Intercom, System setting, Playback, File download, Log information, Maintenance
17	Optical Zoom	:	20x
18	Digital Zoom	:	16x
19	Pan Travel	:	0°~360°endless
20	Tilt Travel	:	-2°~90° auto flip 180°
21	Pan/ Tilt Speed	:	Pan: 0.1° ~ 80°/s; Tilt: 0.1° ~80°/s
22	Presets	:	255
23	Preset Speed	:	Pan: 80°/s; Tilt: 80°/s
24	Special Features	:	WDR(DWDR), Day/Night(ICR), DNR (2D&3D),Auto iris, Auto focus, 5 Auto Pattern, 8 Auto Tour, 5 auto scan
25	Power up action	:	Auto restore to previous PTZ and lens status after power failure
26	Idle Motion	:	Activate Preset/ Pan/ Scan/ Tour/ Pattern if there is no command in the specified period
27	Time task	:	Auto activation of Preset/Pan/Scan/Tour/Pattern by preset-time
28	Day/Night: IR Cut Filter	:	Auto(ICR) / Color / B/W
29	Video Compression	:	H.264 / MJPEG
30	Video Streaming	:	Main Stream: PAL: 1.3M(1~12fps), 720P(1~25fps), Extra Stream: PAL: D1/CIF/QCIF (1~25fps)
31	Audio Compression	:	G.711a / G.711u(32kbps)/ PCM(128kbps)
32	Audio Streaming	:	1/1 channel In/Out
33	Networking	:	RJ-45 (10/100Base-T)
34	Protocols	:	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour
35	Security	:	User Account and Password Protection
36	Supported Web Browser	:	Microsoft Internet Explorer , Google chrome
37	User Account	:	20 Users simultaneously
38	Installation	:	Outdoor
39	Operating Temperature	:	3°C ~ 55°C / Less than 90% RH
40	Weatherproof Standard	:	IP66, Waterproof
41	Power Source	:	AC 230V, 50Hz
42	Power Consumption	:	50W max while heater in on condition
43	Standard	:	Should comply with ONVIF standard
44	Accessories to be Supplied	:	Wall mounting bracket, Configuration, Viewing & recording software
45	Make	:	CP-Plus, Samsung, Honeywell, Alcon, Hikvision

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3.1. Fixed IR Bullet Camera:

Sl. No.	Features	Description	Bidder Confirmation
1	Image Device	1/3" type progressive scan CMOS CCD	
2	Day/ Night	Feature Should be available	
3	No. of effective pixels (H x V)	2.0 mega pixel or better	
4	White Balance Mode	Auto , Preset, One-push WB, Manual (features should be available)	
5	Zoom ratio	Should be 2.7x or better	
6	Horizontal Viewing angle	Minimum 34 to 94 degrees	
7	Focal length	Vari-focal 2.8-12mm	
8	Night Vision & IR Illumination	Maximum 50Mtr Night Vision with long range illumination Required	
9	Codec Image Size (H x V)	1280x1024, 1280x800, 1280x720, 1024x768 main stream supportable	
10	Video Compression format	Should be H.264 or MPEG-4	
11	Maximum frame rate	1080P,960P,720P@25fps supportable	
12	Streaming Level	Minimum 2 in Adjustable mode	
13	Bit Rate	Not More Than 50k - 8 Mbps	
14	Ethernet Interface	10-BASE-T/100-BASE-Tx (RJ 45 port)	
15	Supporting protocol	TCP/IP, HTTP, RTSP, FTP, PPPoE, DDNS, NTP, uPnP	
16	Alarm Trigger	Motion detection, Network disconnect, IP address conflict, Line crossing detection, Intrusion detection, scene change detection, Dynamic analysis, Storage exception	
17	Security	One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access	
18	Line Crossing Detection	Cross a pre-defined virtual line	
19	Intrusion Detection	Enter and loiter in a pre-defined virtual region	
20	Compatibility	ONVIF Compatible	
21	Working Temp.	-10°C ~ +60°C	
22	Power requirements	PoE Compatible, DC12V ±10%	
23	Mounting Bracket	Wall Mounting bracket shall be included	
24	Protection Class	IP 66 or better	
25	Operating Voltage	230V Ac, 50Hz	

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3.3. NVR 16 Channel

Sl. No.	Features	Description	Bidder Confirmation
1	Type of NVR	Shall be on Embedded operation system	
2	Operation mode	Previews ,Records ,Playback ,Back Up, Network	
3	Number of Video input	16 Channels of 1080P/960P/720P	
4	Compression Method	Must be in H.264 / MPEG-4/ MJPEG	
5	Recording Resolution	Programmable among 1080P@30fps, 720@30fps, VGA, 4CIF, 2CIF, CIF & QCIF and other supported resolution	
6	Recording Mode	Boot ,Timing ,Motion Detection	
7	Password security	2 Levels , Admin+ Users	
8	Video Motion Detection & Recording Configuration	Independent Channel configuration	
9	Main Video Out	At least 1 VGA, 1 HDMI, 1 Video O/P	
10	VGA Resolution	1-ch, resolution: 1920*1080P/60Hz, 1600*1200/60Hz, 1280*1024/60Hz, 1280*720/60Hz, 1024*768/60Hz	
11	HDMI Resolution	1-ch, resolution: 1920*1080P/60Hz, 1920*1080P/50Hz, 1600*1200/60Hz, 1280*1024/60Hz, 1280*720/60Hz, 1024*768/60Hz	
12	Video O/P Resolution	1-ch, BNC(1.0Vp-p, 75Ω) Resolution: 704×576(PAL)	
13	Display windows:	1 / 4 / 8 / 16 (Single / Quad / Octal / Hex window mode)	
14	Dual Stream	Every channel should support 2 adjustable stream	
15	Audio Input	4 Channel input	
16	Audio Output	1 Channel output	
17	Alarm Input	Minimum 4 input	
18	Alarm Output	1 output shall be provided	
19	Play backup	Support Simultaneously 4 channel	
20	Min. Internal HDD supported (TB)	4 internal hard disks (storage capacity: 4TB each)	
21	Internal HDD Interface	SATA HDD interface	
22	Backup	Automatic Scheduled backup	
23	Backup Storage Media	Backup through USB or network	
24	Network Port	2no. of self-adaptive RJ45 Port 10M/100M/1000M	
25	Backup Interface	Internal/External shall provided	
26	Scheduled Backup	Programmable	
27	PTZ Connectivity	Supports multi PTZ protocols	
28	Remote Access Software	To be supplied along with equipment	
29	Web Browsing	IE, google-Crome, Mozilla browsers supported	
30	Operating Voltage	230V AC	

Arave Rye
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