



APM CO., LTD.

AAL-9017

5Megapixel / 360°Surround View / IP68 Water+IK10 Vandal-proof / EN50155



Features:

- 5Megapixel 1/2.5" CMOS Sensor
- H.264/MJPEG Dual Codec & Streaming simultaneously
- 1080P (1920X1080@30fps)
- 1.19 mm Fisheye Lens for 180°Panoramic View and 360°Surround View
- Mechanical ICR
- 2 Way Audio Supported
- Intelligent Video Analytics
- Digital WDR
- IP68 Water+ IK10 Vandal Proof / EN50155
- Support ePTZ control
- PoE Power Over Ethernet IEEE802.3af (Option)
- Micro SD Card Supported (SDHC up to 32GB)

**Specifications:**

Camera	
Sensor	5 Mega Pixel 1/2.5" CMOS sensor
Scan Method	Progressive
Lens	1.19 mm F2.8
Number of Effective Pixel (H*V)	2592 x1944
Wide Dynamic Range	Digital (on / off)
Dynamic Range	67.74db@8xGain
SNR(max)	38.5db
DNR	On / Off
White Balance	Auto / Cloudy / Daylight / Manual
Gain Control	High/Middle/Low, 3 step selection
Flicker Control	50 Hz,60 Hz
Electronic Shutter	Auto
Field of View	180°
Panning Coverage	Digital
Tilting Coverage	Digital
Video	
Video Compression	H.264 (MPEG-4 Part 10/AVC)/MJPEG, Dual codec
Video Framerate	1920x1080@30fps
Resolution	H.264 : 1080P(1920x1080@30fps) 720P(1280x720@30fps) MJPEG : 1080P(1920x1080@30fps) 720P(1280x720@30fps)
Bitrate Control	CBR and VBR, 128kbps ~ 10Mbps
Multi-streams	Triple streaming, Multiple profiles 1920x1080 H.264@30fps / 1280x720 H.264(Sub)@30fps / 1920x1080 MJPEG@15fps
Digital Zoom	Digital
Image Rotation	Desktop, Ceiling, wall
Intelligent Video	
	De-Noise / Motion Detection / Blind Detection
Audio	
2 Way Audio	Audio Line-in, Audio Line-out
Compression	AMR, G.711 @ 64kbps, G.726 @ 32kbps / Configure bit rate



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Network	
Streaming Protocols	RTSP / RTP / UDP, RTSP / RTP / TCP, RTSP / RTP / sHTTP tunneling, LAN Multicast, Multipart-JPEG
Supported Protocols	IPv4, HTTP, UDP, TCP, ICMP, IGMP, ARP, DHCP, NTP, SMTP, FTP, SAMBA, UPnP, PPPoE, DNS, DDNS, RTSP, RTP, RTCP, ONVIF
Mobile Surveillance	iPhone, iPad, Android, BlackBerry
Storage	
External	2 x Micro SD Card (SDHC up to 32GB)
Processors and Memory	
CPU	ARM9 SoC 800MHz
Flash and Memory	32MB NOR flash, 256MB DDRIII
I/O and Connectors	
LAN	1 x RJ45 Ethernet connector
Audio	Audio Line-in, Audio Line-out
Factory Default	1 x Reset Button
Alarm I/O	1 x Alarm-in, 1x Alarm-out
Software Compatibility	
Browser	Internet Explorer 6.0 or above
Application Software	VMS Application Software
OS supported	Microsoft Windows 2000, XP , Vista, Windows 7
Open API	
	CGI commands to control camera
	Media SDK to handle streaming
Power	
Power Input	DC 12V, DC12V/POE (2 pin connect)
Power Consumption	5.6W
Operating Environment	
Operating temperature	-20℃~ 50℃
Storage temperature	-30℃~ 60℃
Humidity	0% ~ 95% non-condensing
Factory Default	Button
Demension	145mm(Φ) x 61mm(H)
Weight	700g
Certification	CE, FCC Class A, RoHS, IP68, IK10, EN50155
Warranty	24 months