# Product Specifications

**Main Features:**

* + Full HD 1080P Real Time
  + 3D+2D Digital Noise Reduction
  + Digital Wide Dynamic Range
  + Adjustable Shutter Speed
  + Adjustable Sense Up
  + Power over Ethernet
  + H.264/ M-JPEG Compression
  + Micro SD Card Backup (Optional)
  + IK10
  + Support for iPhone/Android/Mac
  + SDK for Software Integration
  + Free Bundle 36 ch Recording Software

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| --- | --- |
| **Hardware** | |
| CPU | Multimedia SoC |
| RAM | 256MB |
| Flash | 16MB |
| Image Sensor | 1 / 2.7” Mega-Pixel CMOS Sensor |
| Sensitivity | **Color :** 0.1 Lux (AGC ON) |
| Lens Type | 2.8mm @ F2.0 |
| View Angle | 111.1°(**H**)  65.1°(**V**) |
| Power over Ethernet | Yes |
|  |  |
| Audio | G.711(64K) and G.726(32K,24K)  **Input :** 3.5mm phone jack  **Output:** 3.5mm phone jack  Support 2-way audio |
| Video Output | N/A |
| I/O | 1 DI / 1 DO |
| Power Consumption | **DC 12V Max:** 2.40W  **PoE Max:** 3.36W |
| Operating Temperature | -10°C ~ 50°C |
| Dimensions | 80mm (∅) x 67mm (H) |
| Weight | 340g |
| **Network** | |
| Ethernet | 10/ 100 Base-T |
| Network Protocol | IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/ IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour |
| **System** | |
| Video Resolution | 1920x1080@30fps, 1280x720@30fps, 640x480@30fps, 320x240@30fps, 176x144@30fps |
| Video Adjust | Brightness, Contrast, Hue, Saturation, Sharpness, AGC, Shutter Time, Sense-Up, D-WDR, Anti Fog, Lens Distortion Correction, Flip, Mirror, Red Gain and Blue Gain, De-noise |
| Triple Streaming | Yes |
| Image Snapshot | Yes |
| Full Screen Monitoring | Yes |
| Privacy Mask | Yes, 3 different areas |
| Compression Format | H.264/ M-JPEG |
| Video Bitrates Adjust | CBR, VBR |
| Motion Detection | Yes, 3 different areas |
|  |  |
| Triggered Action | Mail, FTP, Save to SD card, Samba |
| Security | Password protection, IP address filtering, HTTPS encrypted data transmission, 802.1X port-based authentication for network protection, QoS/DSCP |
| Firmware Upgrade | HTTP mode, can be upgraded remotely |
| Simultaneous Connection | Up to 10 |
| **Micro SD Card Management** | |
| Recording Trigger | Motion Detection, IP check, Network break down (wire only),Schedule |
| Video Format | AVI, JPEG |
| Video Playback | Yes |
| Delete Files | Yes |
| **Web Browsing Requirement** | |
| OS | Windows 7, 2000, XP, 2003, Microsoft IE 6.0 or above, Chrome, Safari, Firefox |
| Mobile Support | iOS 4.3 or above, Android 1.6 or above. |
| Hardware Suggested | Intel Dual Core 2.53G  **RAM:** 1024MB  **Graphic card:** 128MB |

\*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION.