

## HLC-81ED Specifications



### Main Features:

1. Full HD 1080P Real time
2. 3D+2D Digital Noise Reduction
3. Digital Wide Dynamic Range
4. Day&Night Switch time control manually
5. IR-Cut filter (Option)
6. Power over Ethernet available
7. Video output
8. H.264/ M-JPEG / MPEG4 compression
9. SD card backup
10. Support iPhone/iPad/Android
11. Triple Streaming
12. SDK for Software Integration
13. Free Bundle 36 ch recording software

Hardware	
CPU	ARM Cortex A9
RAM	256MB
Flash	16MB
Image sensor	1/2.7" 2 Megapixel CMOS sensor
Lens Changeable	Yes, CS Mount
Sensitivity(AGC On)	Color : 0.1 Lux B / W: 0.05 Lux
Support DC IRIS	Yes
ICR	Mechanism IR cut Filter
I/O	1 Alarm in / 1 Relay out



Video output	Yes
RS-485	Yes
Audio	G.711(64K) and G.726(32K,24K) audio compression Input : audio in or Mic built-in(auto switch) Output: 3.5mm phone jack, Support 2-way.
Power over Ethernet	Yes, PoE Class 0 (IEEE802.3af)
Power consumption	DC 12V Max : 3.8W AC 24V Max : 4.3W PoE Max : 4.8W
Operating Temperature	-10°C ~ 45°C
Dimensions	65mm (W) x 58mm (H) x 132mm (L)
Weight	450 g
<b>Network</b>	
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
Wireless (Optional)	
	Built-in
Wireless	802.11b/g/n
Security	WEP,WPA-PSK,WPA2-PSK
<b>System</b>	
Video Resolution	1920x1080@30fps, 1280x720@30fps, ,640x480@30fps, 320x240@30fps, 176x144@30fps
Video Adjust	Brightness, Contrast, Hue, Saturation, Sharpness, Shutter Speed adjustable, AGC, Sense-Up, D-WDR, Flip, Mirror, Noise reduction, Day&Night adjustable, White Balance
Triple Streaming	Yes
Image snapshot	Yes
Full screen monitoring	Yes
Privacy Mask	Yes, 3 different areas



Compression format	H.264/ M-JPEG/ MPEG4(3GPP Only)
Video bitrates adjust	CBR, VBR
Motion Detection	Yes, 3 different areas
Triggered action	Mail, FTP, Save to SD card, Relay output, SAMBA
Pre/ Post alarm	Yes, configurable
Security	Password protection, IP address filtering, HTTPS encrypted data transmission, 802.1X port-based authentication for network protection
Firmware upgrade	HTTP mode, can be upgraded remotely
Simultaneous connection	Up to 10
<b>SD card management</b>	
Recording trigger	Motion Detection, IP check, Network break down (wire only), Schedule, Alarm in
Video format	AVI, JPEG
Video playback	Yes
Delete files	Yes
<b>Client System requirement</b>	
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: 4096MB

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