



## RLC- RH 2850

- High-speed 360° Endless Panning,
- Optical zoom 28x, Digital zoom 10x, Total zoom 280x,
- Three Codecs H.264, MPEG-4, and MJPEG Support,
- Maple Series.



#### ■ “Exmor” CMOS Sensor

Exmor sensors give highest picture quality as well as the best sensitivity at both bright and dark locations.

They perform on-chip analog to digital signal conversion and two-step noise reduction in parallel on each column of the CMOS sensor. This can help to reduce the amount of "seen" pixels when you zoom in on a photo.

#### ■ ONVIF

The Open Network Video Interface Forum (ONVIF) is a global and open industry forum which its goal is to facilitate the development and use of a global open standard for the interface of physical IP-based security products. Red Leaf is a member of ONVIF.

#### ■ Analog Video Output

This old-fashioned analog video output helps the installer to quickly and easily apply the required first-run settings to the camera.

#### ■ The Best Possible Image

It is always important to produce the best possible image considering the environmental conditions.

Our expertise is to process the input light by means of a high-quality lens, a sensitive image sensor and a powerful DSP processor to produce a crystal clear output image which is superior to any other solution currently available in the market.

#### ■ Vivid Pictures in Darkness

A high percentage of unwanted events happen at night or in low-light conditions. This puts the priority of having a high performance security solution in low light conditions to a very high level. Red Leaf cameras have an unprecedented image quality independent of the lighting conditions, and provide a lucid image at very low lux levels.

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Camera	
Image device	1/2.8-type Exmor CMOS
Number of effective pixels	Approx. 1.4 Megapixel
Minimum illumination	Color 0.5 lx, BW 0.01 lx
Electronic shutter speed	1/1 to 1/10,000 s
Gain control	Auto/Manual (-3 to 28 dB)
Exposure control	Full auto, Shutter priority, Iris priority, Manual
White balance mode	Auto, ATW, Indoor, Outdoor, One-push, Manual, Sodium vapour lamp
Zoom ratio	Optical zoom 28x, Digital zoom 10x, Total zoom 280x
Horizontal viewing angle	55.4 to 2.9 degrees
Focal length	f=3.5 to 98 mm
F-number	F1.6 to F3.5
Minimum object distance	10mm (wide) to 800mm (tele)
Pan angle	360 degrees endless rotation
Pan Speed	400 degrees/s (max)
Tilt angle	180 degrees(with e-flip)
Tilt speed	300 degrees/s (max)
Preset position	256 positions
Tour	5
Camera Features	
Day / Night	Yes (IR-cut Filter)
WDR+	Yes (90dB)
Noise reduction	Yes (SDNR)
Image	
Codec image size(HxV)	1.3M (1280x1024) / 1.2M (1280x960)/ HD (1280x720) / D1 (704x576) / CIF (352x288)
Video compression format	H.264, MPEG-4, MJPEG
Codec streaming capability	Dual streaming
Maximum frame rate	30 fps (H.264) / 30 fps (MPEG-4) / 30 fps (MJPEG)
Audio	
Audio compression	G.711/G.726
Network	
Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP,DNS, NTP, RTP/RTCP, RTSP, SNMP(MIB-2)
ONVIF software	Yes (Ver. 2.0)
Number of clients	20
Authentication	IEEE802.1X
Interface	
Local recording	SD memory card x 1 (Compatible with the SD/SDHC standards) max 32GB
Analog video output	Yes 1*BNC (75 Ω)
Sensor input	2
Alarm out put	1
External microphone input	Mini-jack (mon)
Audio line output	Mini-jack (mon), Max ouput level: 1 Vrms
Ethernet	10BASE-T / 100BASE-TX (RJ-45)
General	
Weight	5.0 KG
Dimensions (ox H mm)	235 x 320mm
Power requirements	AC 24V/3A(±10%)
Outdoor	Yes
Power consumption	12W(Indoor), 40W(Outdoor, heater on)
Operating temperature	-40°C ~ 60°C
Working humidity	<90%
Protection level	IP 67/ IK10
Safety regulation	UL2044, FCC 15B Class A, IC Class A, IEC60950-1, EN55022(A)+EN55024+EN50130-4, VCCI Class A, C-Tick Class A
System Requirements	
Operating system	Windows XP™ - Professional Edition Windows Vista™ (32/64bit) - Ultimate, Business Edition Windows 7 (32/64bit) - Ultimate, Professional Edition Windows 8 (32/64bit) – Pro Edition
Processor	Intel Core2 Duo 2.33 GHz or higher
Memory	2 GB or moreMicrosoft Internet Explorer® Ver. 6.0 and higher
Web browser	Microsoft Internet Explorer® Ver. 6.0 and higher Google Chrome® Ver.4.0 and higher (Plug-in free viewer only) Firefox® Ver.3.5 and higher (Plug-in free viewer only) Safari® Ver.4.0 and higher (Plug-in free viewer only)

