



### RLC-BH 1420

- Excellent picture quality in Approx 1.4 Megapixel,
- 1.2 Megapixel (1280 x 960 ) maximum resolution,
- Three codecs (H.264, MPEG-4, MJPEG) with dual streaming Capability,
- ICR Day/Night Funcation,
- Oak series.

HD ONVIF



#### ■ 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. RedLeaf is a member of ONVIF.

#### ■ Power over Ethernet (PoE)

With PoE a single cable to provide both data connection and electrical power to electronic devices. PoE allows for great reductions in installation costs as there is no need to install separate power cables for 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. RedLeaf cameras have an unprecedented image quality independent of the lighting conditions, and provide a lucid image at very low lux levels.

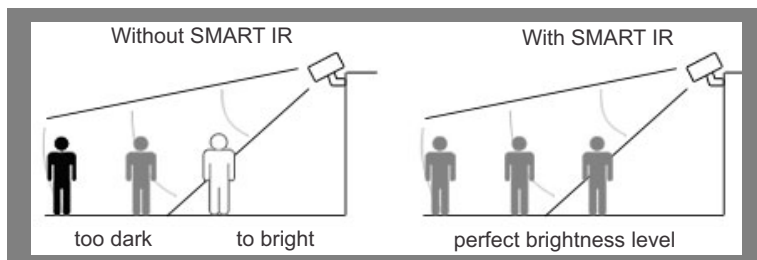
## SMART IR

Our eyes are designed to detect visible light waves, although this is only a small portion of the electromagnetic spectrum. Infrared (IR) light is electromagnetic radiation with longer wavelengths than those of visible light, extending from the nominal red edge of the visible spectrum at 700 nanometers (nm) to 1 mm. Infrared radiation of an object is a measure of the heat which it emits in the space.

Almost every object emits some level of energy in form of IR radiation, even if it is small. In low light conditions a combination of hardware and software procedures allow RedLeaf cameras to capture the IR radiation projected by an object. This technology is called Smart IR and one of its unique characteristics is that it can vary the intensity of the IR illuminators depending on the distance of the object to the camera. This results in a clear image even in total darkness.



The IR LEDs used in RedLeaf cameras provide a life time of roughly ten times more than that of the regular LEDs. Also, the low amount of heat which radiates from this kind of LEDs minimizes the damage resulting from the IR radiation to the inner camera parts. The LEDs of RedLeaf cameras can be replaced easily if any accidental damage happens, without the need to replace the whole kit.



## Technical Specifications

### RLC-BH 1420

| Camera                     |   |
|----------------------------|---|
| Image device               | 1/3-type CMOS   |
| Number of effective pixels | Approx. 1.4 Megapixel   |
| Minimum illumination       | Color : 0.2 lx, 0 lx IR ON  |
| Electronic shutter speed   | 1/1 to 1/10,000 s   |
| Gain control               | Auto/Manual   |
| focal length               | 3.3 mm  |
| White balance mode         | Auto , ATW , Indoor , Outdoor , One - push , manual , Sodium vapour lamp  |
| F-number                   | F= 1.6  |
| Camera features            |   |
| Day/Night                  | Yes (IR-cut Filter)   |
| WDR                        | Yes (60dB)  |
| Noise reduction            | -   |
| Image                      |   |
| Codec image size (HxV)     | 1.2 M (1280x960) / HD (1280x720)<br>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)  |
| Network                    |   |
| Protocols                  | IPv4,IPv6,TGP,UDP,ARP,ICMP,GMP,HTTP,HTTPS,FTP (client/server), SMTP, DHCP, DNS,NTP, RTP/RTCP,RTSP,SNMP (MIB-2)  |
| ONVIF software             | Yes (Ver. 2.0)  |
| Number of clinets          | 20  |
| Authentication             | IEEE802.1x  |
| Interface                  |   |
| Ethernet                   | 10BASE - T/ 100BASE-TX (RJ-45)  |
| General                    |   |
| Weight                     | 0.45 KG   |
| Dimension(ØxHmm)           | 70 x 165 mm   |
| Power requirements         | PoE,DC12V   |
| Outdoor                    | Yes (IP66,IK10)   |
| Operating temperature      | -15°C~60°C  |
| Safety regulation          | UI2044, FCC 158 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<br>Windows Vista™ (32/64bit) - Ultimate, Business Edition<br>Windows 7 (32/64bit) - Ultimate, Professional Edition<br>Windows 8 (32/64bit) – Pro Edition   |
| Processor                  | Intel Core2 Duo 2.33 GHz Or higher  |
| Memory                     | 2GB or more   |
| Web browser                | Microsoft Internet Explorer® Ver. 6.0 and higher<br>Google Chrome® Ver.4.0 and higher (Plug-in free viewer only)<br>Firefox® Ver.3.5 and higher (Plug-in free viewer only)<br>Safari® Ver.4.0 and higher (Plug-in free viewer only) |

## Dimensions

