



### RLC- DF 2050

- Excellent picture quality in Approx. 3.2 Megapixel,
- 3 Megapixel (2048x1536) maximum resolution,
- DynaBoost:Cutting edge WDR (120dB) to enhance visibility under Extremely bright or dark enviroments,
- Dual codecs (H.264, MJPEG) with dual streaming Capability,
- ICR Day/Night function,
- Maple Series.

FULL HD  
1080

ONVIF



#### ■ CMOS Sensor

CMOS 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 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. 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.

FULL HD  
1080

 ONVIF

## Technical Specifications

### RLC-DF 2050

#### Camera

Image device	1/3- type CMOS
Number of effective pixels	Approx 3.2 Megapixel
Minimum illumination	Color: 0.1 lx, 0 lx IR ON
Electronic shutter speed	1/1 to 1/10,000 s
Gain control	Auto/Manual
Lens type	3.3 ~ 12mm
Exposure control	Full auto, Shutter priority, Iris priority, Manual
White balance mode	Auto, ATW, Indoor, Outdoor, One-push, manual, Sodium vapour lamp
F-number	F1.6 to F3.5

#### Camera features

Day/Night	Yes (IR-cut Filter)
DynaBoost	Yes (120dB)
Noise reduction	Yes (SDNR)

#### Image

Codec image size(HxV)	3M (2048x1536) / Full HD(1920x1080) / 1.3M (1280x1024) 1.2M (1280x960) / HD (1280x720) / D1 (704x576) / CIF (352x288)
Video compression format	H.264,MJPEG
Codec streaming capability	Dual streaming
Maximum frame rate	30 fps (H.264 & MJPEG @ 1080P) / 20 fps (H.264 and MJPEG @ 3M)

#### Audio

Audio compression	G.711 / G.726
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#### Network

Protocols	IPv4,IPv6,TGP,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 clinets	20
Authentication	IEEE802.1x

#### Interface

Local recording	SD memory card x1(compatible with the SD/SDHC standards, max 32GB)
Ethernet	10BASE - T/ 100BASE-TX (RJ-45)
Sensor input	2
Alarm output	1
External microphone input	mini-jack (mono)
Audio line output	mini-jack (mono), max output level:1Vrms
Analog video output	Yes 1*BNC (75Ω)

#### General

Weight	1.1 KG
Dimension(ØxHmm)	155 x 125 mm
Power requirements	PoE, DC12V, AC24V
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 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	2GB or more
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)

## Dimensions

