UHG1182 Day & Night 4K Ultra HD IP Camera

IP based
PoE

Day/Night
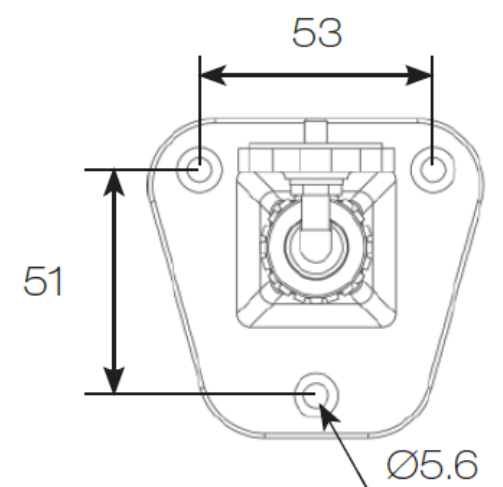
SD card recording

4K UHD
4K

Onvif S

4K Ultra HD

▶ 4K Ultra High Definition resolution 4070 (H) x 3046 (V) pixels

▶ Micro SD/SDHC/SDXC card recording supported

▶ Infrared cut filter for day/night operations

Dimensions:
70(W) x 50(H) x 135(D) mm

70

50

135

Diagram of mounting holes: (unit in mm)

53

51

Ø5.6

Four times HD picture with astonishing saturated colours

4K Ultra HD Camera – UHG1182, is featuring 30 frames per second and 3,840-by-2,160-pixel picture. As the demand of super resolution in video surveillance is on the rise, 4K is the stepping stone of prevalent 1080P Full HD. LILIN's new 4K Ultra HD network camera, UHG1182, enhances HD images by providing four times HD picture with beautifully natural detail and astonishing saturated colours

Day and Night Operations via Removal of the IR-cut filter

UHG1182 camera was designed using a mechanical IR cut filter for increased IR sensitivity resulting in improved night time images. The removable IR-cut filter allows day and night operations even in the low lux condition providing outstanding vision

4K Ultra High Definition

4K Ultra HD video doubles the vertical resolution from 1080P to 2160P vertical lines of resolution providing four times HD picture with absolute beautifully natural detail

SD Cards in Sync with NAV Software

UHG1182 camera with built-in Micro SD/SDHC/SDXC card slots can provide redundant video viewing and recording. You can synchronize an SD card with LILIN VMS (Video Management Software) – Navigator (NAV)

Sense Up+

Deliver outstanding video outputs in poor light conditions without experiencing motion blur. You can see video clearly even during nighttime without sufficient lighting support

ONVIF compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. UHG1182 camera is ONVIF Profile S conformant

Video Security App

Available on Android and iOS – **LILINViewer** app provides security alarm push notification, real-time live viewing, and remote video playback

3D Noise Reduction

Remove noise from a signal. Suppressing noise in an image in low light conditions and able to retain quality videos at the same time
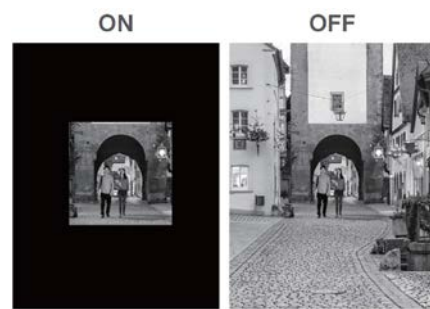
Wide Dynamic Range (WDR)

Wide Dynamic Range (WDR) displays details of both the brightest and darkest areas. WDR can extend image visibility under high contrast lighting scenes and improve image quality

Region of Interest (ROI)

A Region of Interest (ROI) is a specified part of an image that is highlighted from a camera. This feature is great for highlighting areas such as doors or areas of access where an overall scene is still required

Privacy Masking

Privacy Masking is a feature used to protect personal privacy by concealing private areas in the camera's field of view. Doorways and house windows for example are not subject to surveillance

Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders

Audio Detection

With Audio Detection technology, an alarm is triggered based on ambient sound conditions as the threshold
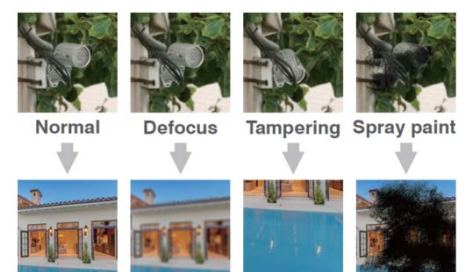
Motion Detection

Detect motion and capture the event. Motion in the selected area will provoke an alert.

Tamper Detection

Automatically detects camera sabotage or failure. Detects any attempts to tamper with the camera – partially or completely blocking its lens or field of view

Day & Night 4K Ultra HD IP Camera

Video performance

Model#	UHG1182E
Low Light Mode	0.5 Lux at F1.2 (Color);0.1 Lux at F1.2 (B/W)
With Infrared	0.0 lux
2D WDR	Off / Auto / x2 / x3/ x4 (by normal mode)

Power

Power consumption	DC12V, 7.2W / PoE, 8W
PoE	IEEE802.3af
Power supply	DC12V ±10%
	Power over Ethernet (IEEE 802.3af compliant)

Sensor

Sensor type	1/2.3-inch CMOS
Total sensor pixels	4072 (H) x 3046 (V) = 12,403,312 pixels

Certifications

CE	EN 55022: 2010 Class A
	IEC 61000-3-2: 2005+A1: 2008+A2: 2009
	IEC 61000-3-3: 2013
FCC	Part 15: Subpart B Class A
	CISPR 22: 2008 Class A

Environmental

Operating temperature	-25℃ to 50℃ (-13℉ to 122℉)

PC requirement

CPU	Intel Core 2 Duo E6400 2.13GHz or above
RAM	2GB or above, Independent Display Card
OS	Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8

Mechanical

Dimensions (W x H x D)	70 x 50 x 135mm
Weight	420g approx.

Input / output

Audio input / output	Mono, 1.4 Vp-p , 50 KΩ , 3.5mm phone jack
Alarm input / output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA)
Live video output	CVBS 1.0Vp-p, 75 ohm, RCA connector

Video streaming

Video compression	H.264 (main & high profile); M-JPEG
Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Bitrate	128Kbps ～12Mbps
	Frame rate and bit rate controllable on-the-fly
	VBR / CBR / GOP supported

Network security

User accounts	10 users accounts available
Access	Multiple user access levels with password protection
Encryption	Base 64 HTTP encryption
IP filter	Yes
RTSP Authentication	On / Off

Video resolution (H x V)

4K	3840 x 2160
1080p HD	1920 x 1080
720p HD	1280 x 720
D1	720 x 480
CIF	352 x 240
Frame rate	Single-stream mode, H.264 : up to 30 fps @ 3840 x 2160 (Video only support preview mode)
	Multi-stream mode, H.264 : up to 24fps @ 3840 x 2160, 30 fps @ 1920 x 1080, Motion JPEG : up to 30fps @ 1920 x 1080

Video functions

Day/Night (IR-cut filter)	Colour (Day), Monochrome (Night), Auto, Schedule, External control
Scanning system	Progressive scan
Adjustable picture setting	Contrast, Brightness, Saturation
White balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Shutter	1/30(1/25)s to 1/30000s
Back light compensation	On / Off
3D noise reduction	Off / 1 to 32 selectable
Privacy masking	Four independent areas
Sense Up	Off / 1 frame / 2 frames
Sense Up+	Yes
Auto gain control	36 dB variable gain
Other functions	Sharpness, Image flip, Image mirror, Defog, Hue
D/N quality setting	Yes

Integration

Mobile application	Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support
Video management	ONVIF Profile S LILIN NAV 1.0 Third party VMS through LILIN HTTP API
SD card recording	Support Micro SD/SDHC/SDXC card for circular recording (card is not included)
Web browser	Microsoft® Internet Explorer® 6.0 and later
Firmware	Firmware upgrade via HTTP
Alarm functions	Tampering / audio / motion /alarm detection triggering recording into SD card Image upload over HTTP, FTP, and E-mail by tampering / audio / motion detection
Alarm event	FTP,SMTP, HTTP post, SD card, SAMBA
Alarm weighted mode	Yes

Network

Ethernet	10/100/1000Mbps Base-T, RT-45
Connectivity	ONVIF Profile S
Users	8 simultaneous users
ePTZ & digital zoom	Yes, ROI (Region of Interest) is supported
OSD	Text overlay for date, time and camera name
CPU, Memory	Embedded SoC, 1.2GHz Dual ARM Cortex-A9 & 600MHz ARM11, 1GB DDR3, 256MB flash memory
Video display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 3.8.0
2-way audio	G.711 / PCM
Protocols	IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour
Multi IP address	Yes