Day & Night 4K Ultra HD IP Camera

Features

- Ultra HD 12.0 megapixel CMOS image sensor
- 4K True H.264 AVC High Profile video compression
- H.264 and Motion JPEG multi-profile video streaming
- 3D noise reduction (MCTF)
- 2D WDR function
- Digital PTZ supported
- Tampering / Audio / Motion detection alarm function
- Day & Night (IR cut removable)
- 2-way audio supported
- Digital I/O : 1 in, 1 out
- ONVIF supported
- RS-485 supported

Description

  4K Ultra HD Camera – UHG1182, is featuring 30FPS 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 astounding saturated colors. 4K Ultra HD video doubles the

vertical resolution from 1080P to 2160P vertical lines of resolution. The UHG1182 is also available with ONVIF compliance.

Specifications

Model	UHG1182E
Image Sensor/Sensor type	1/2.3-inch CMOS
Max. Image Pixels/ Total sensor pixels/ Effective Pixels	4072 (H) × 3046 (V) = 12,403,312 (pixels)
Video Compression	H.264 Main and High Profile, Motion JPEG
Megapixels	4K(3840×2160), 1080P(1920×1080), 720P(1280×720), D1(720×480), CIF(352×240)
Frame Rates	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 streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Video bitrate	128Kbps 12Mbps ; Frame rate and bit rate controllable on-the-fly ; VBR / CBR / GOP supported
Scanning System	Progressive Scan
IR cut filter	Colour (Day), Monochrome (Night), Auto, Schedule, External control
Min. illumination/Low Light Mode (Colour)	0.5 Lux at F1.2 (Color); 0.1 Lux at F1.2 (B/W)
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Back Light Compensation (BLC)	On / Off
Shutter Time	1/30(1/25)s to 1/30000s
Sense Up	Off / 1 frame / 2 frames
Sense Up+	Yes
Auto Gain Control	36 dB Variable Gain

3D Noise Reduction	1/30(1/25)s to 1/30000s
2D WDR	Off / Auto / x2 / x3/ x4 (by normal mode)
Privacy Masking	Four independent areas
D/N quality setting	Yes
Adjustable picture setting	Contrast, Brightness, Saturation
Other functions	Sharpness, Image flip, Image mirror, Defog, Hue
Live video	CVBS 1.0Vp-p, 75 ohm, RCA connector
Audio Input / Output	Mono, 1.4 Vp-p , 50 KΩ , 3.5mm phone jack
Encryption	Base64 HTTP encryption
Access	Multiple user access levels with password protection
User accounts	10 users accounts available
IP address filter	Yes
Multi IP address	Yes
Users	8 simultaneous users
ePTZ & Digital Zoom	Yes, ROI (Region of Interest) is supported
OSD (On-Screen Display)	Text overlay for date, time and camera name
Alarm event triggers	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 actions	Yes
Alarm weighted mode	Yes
CPU	Embedded SoC, 1.2GHz Dual ARM Cortex-A9 & 600MHz ARM11, 1GB DDR3, 256MB flash memory
Firmware	Firmware upgrade via HTTP
Network Interface/Ethernet	10/100/1000Mbps Base-T, RT-45
CE	Yes
FCC	Yes
Connectivity	ONVIF Profile S
OS requirement	Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8

Web browser	Microsoft® Internet Explorer® 6.0 and later
CPU requirement	Intel Core 2 Duo E6400 2.13GHz or above
RAM requirement	2GB or above, Independent Display Card
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
RTSP Authentication	On / Off
Mobile phone	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
Video Display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 3.8.0
Audio	Two-way Audio, G.711 / PCM
SD Card/ SD card recording	Support Micro SD/SDHC/SDXC card for circular recording (card is not included)
Alarm Input / output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA)
Operating temperature	-25□ to 50□ (-13□ to 122□)
Dimensions	70mm(W) × 50mm(H) × 135mm(D)
Weight	420g approx.
Power Supply	DC12V ±10% □Power over Ethernet (IEEE 802.3af compliant)
PoE	PoE
Power Consumption	DC12V, 7.2W / PoE, 8W