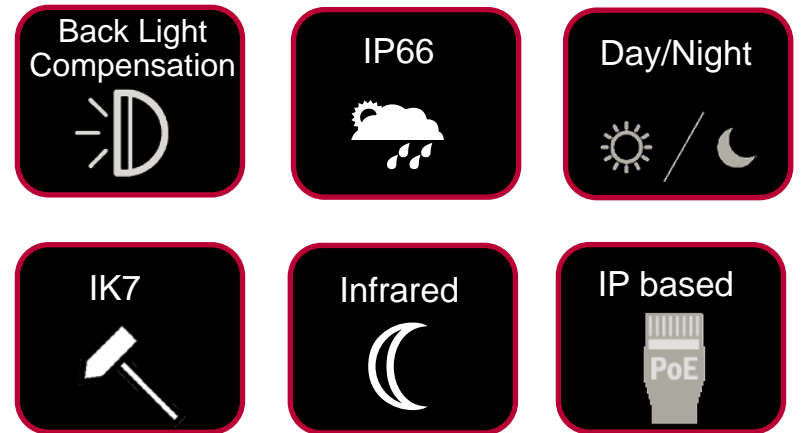L series│IP dome camera

LR6022X Outdoor Water-resistant Vandal-proof Vari-focal IR IP Eyeball Dome Camera

www.meritlilin.com

Back Light Compensation	IP66	Day/Night
IK7	Infrared	IP based PoE

▸ **Outdoor Vandal Dome Camera**

▸ **IR-cut filter for day/night operations**

▸ **IP66 rain and dust resistant**

▸ **IK7 impact resistant**

▸ **25-metre infrared night vision**

▸ **1080p resolution**

Onvif S

Full HD 1080

Dimensions: (unit: mm)
Ø130 x 115

Ø 130

115
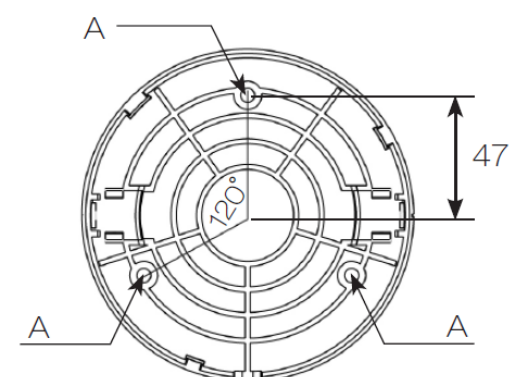
Diagram of mounting holes: unit in mm

A

47

120°

A — A

A (M3.0*25, wooden screw)

IK7 vandal proof dome LR6022X in the L series is featuring built-in Sense up+ technology to deliver stunning video in lowlight conditions. Utilizing intelligent image signal processing, 2D WDR function, AGC control, and 3D Noise Reduction, the combination successfully delivers the ultimate low-light image without motion blur. The IP66-rated housing is designed to help the camera body withstand rain and dust and ensures operation under a multitude of harsh weather conditions. Support with PoE, privacy mask, White balance, and minimum illumination 0.1 Lux at F1.4 Low Light Mode.
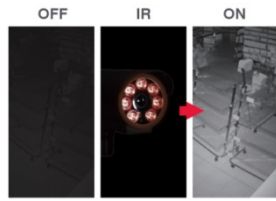
Built-in IR Illumination

LR6022X IP camera with infrared (IR) illumination where IR LEDs are built-in. Built-in with IR LED, the camera provides night vision up to 25 metres

ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. LR6022X camera is ONVIF Profile S conformant
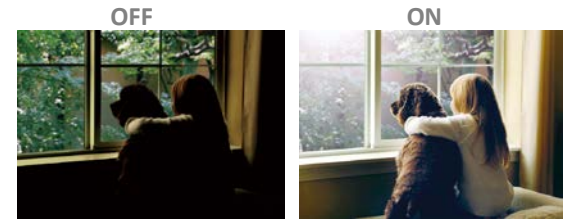
Impact Resistant

IK7-certified housing designed to protect the camera from destructive behaviour

Back Light Compensation

Back Light Compensation (BLC) adjusts the exposure of the entire image to properly expose the subject in the foreground. No matter if the main object is moving toward left, right, upper, lower, or any location in the screen, BLC provides perfect exposure for an object in front of strong back light

Video Security App

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

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

LR6022X 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

Wind and Rain Standards

Meet international IP66 standards for dust and moisture resistant allowing you to install cameras in environments subject to wind and rain

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

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

Motion Detection

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

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

Outdoor Water-resistant Vandal-proof Vari-focal IR IP Eyeball Dome Camera

Video performance

Model#	LR6022EX3.6
Low Light Mode (Colour)	0.05 Lux at F1.4
With Infrared	0.0 lux
2D WDR	Off / x2 / x3 / x4

Power

Power consumption	DC12V, 9W / PoE, 10.2W
PoE	IEEE 802.3af
Power supply	DC12V ±10%
	Power over Ethernet (IEEE 802.3af compliant)

Sensor

Sensor type	1/2.7" CMOS image sensor
Total sensor pixels	1920 (H) x 1080 (V) = 2,073,600 pixels

Certifications

CE	**Emission**
	EN 55022:2010 Class A
	Immunity
	EN 50130-4:2011
	IEC 61000-4-2:2008
	IEC 61000-4-3:2006+A1:2007+A2:2010
FCC	**Emission**
	FCC Part 15: Subpart B (10-1-10 Edition) Class A
	CISPR 22: 2008 Class A
IK Rating	IK7 vandal proof
IP Rating	IP66 weather proof

Lens

Focal length		2.8 mm ～ 12 mm
Iris		F1.4
Angle of View	H	91.2° ～ 25.5°
	V	59.4° ～ 22.4°
	D	99° ～ 37.3°

Night vision (infrared LED)

Distance	25m
Peak wavelength	850nm, high efficiency array
Beam spread	30°

Environmental

Operating temperature	-40℃ to 50℃ (-40℉ to 122℉)

PC requirement

CPU	Intel Pentium 4 1.8GHz or above
OS	Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8
RAM	1GB or above, Independent Display Card

Mechanical

Dimensions (W x H x D)	Ø 130 x 115mm
Weight	1000g approx.

Video streaming

Video compression	H.264 , Motion JPEG
Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast Multiple configurable streams in H.264 and M-JPEG, configurable frame rate and bandwidth
Bitrate	128Kbps ～ 5Mbps Frame rate and bitrate controllable on-the-fly VBR / CBR / GOP supported
IP filter	Yes
RTSP Authentication	On / Off

Video resolution (H x V)

1080p HD		1920 x 1080
720p HD		1280 x 720
D1		720 x 480
CIF		352 x 240
Multiple profile	Profile #1	H.264 : up to 15 fps @ 1920 x 1080 , 30fps @ 1280 x 720 , 30fps @ 720 x 480
	Profile #1	Motion JPEG : up to 15 fps @ 1920 x 1080 , 30 fps @ 720 x 480 , 30 fps @ 352 x 240

Video functions

Day/Night (IR-cut filter)	Colour (Day), Monochrome (Night), Auto, Schedule
Scanning system	Progressive scan
Chip size	5.856mm (H) x 3.276mm (V)
Adjustable picture setting	Contrast, Brightness, Saturation
White balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Shutter	1/30(1/25)s to 1/8000s
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 / 3 frames / 7 frames
Sense Up+	Yes
Auto gain control	36 dB variable gain
Other functions	Sharpness, Image flip, Image mirror, 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
Web browser	Microsoft® Internet Explorer® 6.0 and later
Firmware	Firmware upgrade via HTTP
Alarm functions	Image upload over FTP and E-mail by motion detection
Alarm event	FTP,SMTP, HTTP post, SD card, SAMBA
Alarm weighted mode	Yes

Network

Ethernet	10Mbps / 100Mbps Base-T, RJ-45
Connectivity	ONVIF Profile S
Users	8 simultaneous users
ePTZ & digital zoom	Yes
OSD	Text overlay for date, time and camera name
CPU, Memory	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory
Video display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 2.6.32
Protocols	IP, 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

Network security

User accounts	10 user accounts available
Access	Multiple user access levels with password protection
Encryption	Base 64 HTTP encryption