IPG1032X
Day & Night 3MP HD IP Camera

www.meritlilin.com

2-way audio

H.264

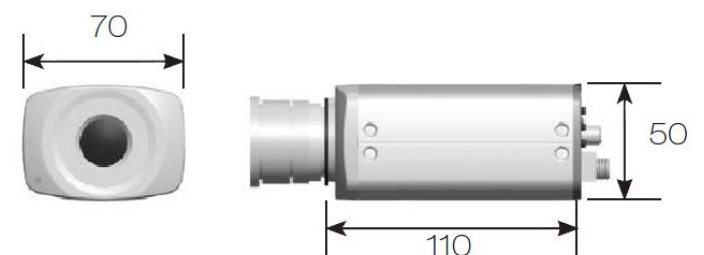**Back Light Compensation**

IP based PoE

Day / Night

SD card recording
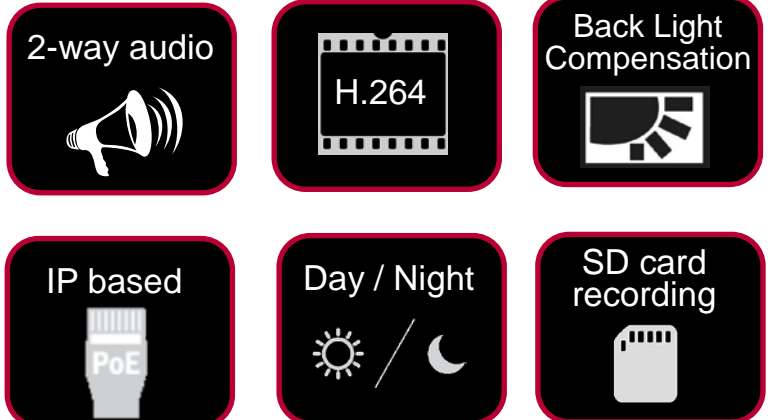
▶ Full bodied 3MP IP camera

▶ Wide Dynamic Range

▶ 3-megapixel resolution

▶ IR cut filter for day/night operations

▶ Easy to install

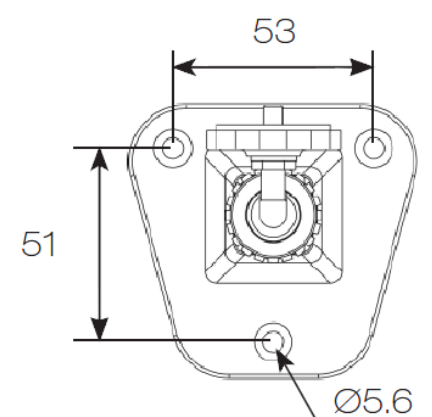**Dimensions (unit in mm):**
70 x 50 x 110 (W x H x D)

70

50

110

Onvif S

3 MP

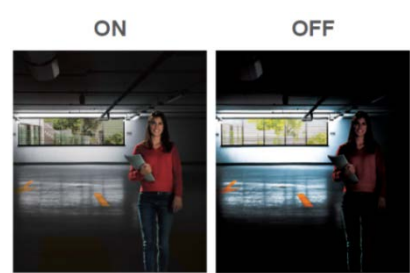**Diagram of mounting holes (unit in mm):**

53

51

Ø5.6

LILIN's award-winning IPG1032X 3MP HD IP Camera is capable of streaming video at up to 15 FPS (frames per second) design suited to almost any application. As with all Pro series cameras, the IPG1032X incorporates Sense up+, a unique technology that successfully delivers stunning video in low-light conditions. Utilizing intelligent image signal processing, AGC control, and 3D Noise Reduction, this model successfully delivers the ultimate low-light image without motion blur. Measuring less than 125mm in length, this latest addition to the range provides an internal solution suited to multiple applications.

Wide Dynamic Range

An Wide Dynamic Range image is made by taking 3 frames of the same scene and each at different shutter speeds to display details of both the darkest and brightest areas. WDR can extend image visibility under high contrast lighting scenes and improve image quality

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

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

Face Detection

Automatically detects a human face

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

IPG1032X 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
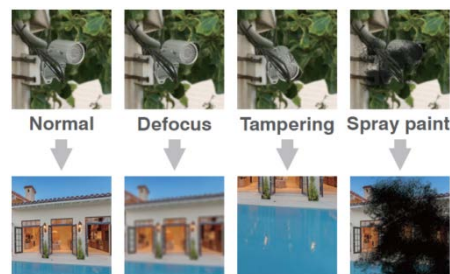
ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. IPG1032X camera is ONVIF Profile S conformant

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

Alarm Detection

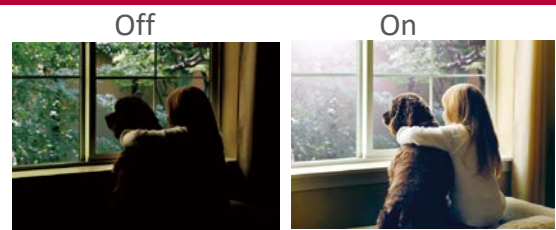Alarm Detection is designed to provide the electronic detection of intruders

SD Cards in Sync with NAV Software

IPG1032X camera with built-in Micro SD/SDHC card slots can provide redundant video viewing and recording. You can synchronise an SD card with LILIN VMS (Video Management Software) – Navigator (NAV)

Two-way Audio Support

With 2-way audio communication, you can project your voice through the camera's speaker instead of hearing what's going on (1-way audio)

Day & Night 3MP HD IP Camera

Video performance & power

Model#	IPG1032ESX3
Low Light Mode (Colour)	0.2 Lux at F1.4 (Low light mode)
Power consumption	DC12V, 6W / PoE, 7.5W
Power supply	DC12V ±10% / PoE (IEEE 802.3af compliant)

Sensor

Sensor type	1/2.8" CMOS image sensor
Effective pixels	2096 (H) x 1561 (V) = 3,271,856 (pixel)

Certifications

CE	Yes
FCC	Yes

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
Web browser	Microsoft® Internet Explorer® 6 and later

Mechanical

Dimensions	70mm (W) x 50mm (H) x 110mm (D)
Weight	380g approx.

Input / output

Live video output	CVBS 1.0Vp-p, 75 ohm, BNC connector
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)

Video sreaming

Video compression	H.264 , Motion JPEG
Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Bitrate	128Kbps~8Mbps Frame rate and bit rate controllable on-the-fly VBR / CBR / GOP supported
IP filter	Yes
RTSP Authentication	On / Off

Network security

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

Integration

Mobile application	Integrated to LILIN mobile app (LILINViewer) iPhone, iPad, Android support
Video management	ONVIF Profile S LILIN CMX3.6 NAV 1.0 Third party VMS through LILIN HTTP API
Firmware	Firmware upgrade via HTTP Firmware available to download at meritlilin.com

Lens

Focal length		3.3~10.5 mm (CS mount)
Iris		F1.4
Angle of view	H	79.3°~29.8°
	V	72.9°~26.9°
	D	123.8°~44.8°

Video resolution (H x V)

3MP	2048 x 1536
1080P	1920 x 1080
720P	1280 x 720
D1	720 x 480
CIF	352 X 240
Multiple profile	Profile #1	H.264 : up to 30 FPS @ 1920 x 1080, MJPEG : up to 30 FPS @ 720 x 480

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	Profile #2	H.264 : up to 30 FPS @ 1280 x 720, MJPEG : up to 30 FPS @ 352 x 240
	Profile #3	H.264 : up to 30 FPS @ 1920 x 1080, MJPEG : up to 30 FPS @ 1280 x 720
	Profile #4	H.264 : up to 30 FPS @ 720 x 480, MJPEG : up to 15 FPS @ 1920 x 1080
	Profile #5	H.264 : up to 15 FPS @ 2048 x 1536, MJPEG : up to 15 FPS @ 720 x 480

Video functions

Day/Night (IR-cut filter)	Colour (Day), Monochrome (Night), Auto, Schedule, External control
Scanning system	Progressive scan
White balance	Auto / tungsten / indoor / fluorescents1 / fluorescents2 / outdoor1 / outdoor2
Electric shutter	1/30(1/25)s~1/8000s
Back light compensation	Off / On
Privacy masking	Off / on (4 zones)
Auto gain control	36 dB variable gain
Image effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip
2D WDR	Off / Auto / x2 / x3 / x4
D/N quality setting	Yes

Network

Ethernet	10Mbps / 100Mbps Base-T, RJ-45
Connectivity	ONVIF Profile S
Users	8 simultaneous users
OSD	Text overly 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
2-way audio supported	G.711 / PCM
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

Main functions

Sense up	Off / 1 frame / 2 frames / 3 frames / 7 frames
Sense up +	Yes
3D Noise Reduction	Off / 1~32 selectable
Alarm function	Face / tampering / audio / motion / alarm detection
	Image upload over FTP and E-mail by face / tampering / audio / motion detection
SD card recording	Support Micro SD/SDHC card for circular recording (card is not included)
ePTZ & digital zoom	Yes, ROI is supported
Alarm event	FTP,SMTP, HTTP post, SD card, SAMBA
Alarm weighted mode	Yes

Environmental

Operating temperature	-25°C~+50°C (-13°F~122°F)