LILIN

Pro series │ Outdoor Bullet IR Camera

IPR7722X
Day & Night 1080P HD Vari-focal IR IP Camera

www.meritlilin.com

2-way audio

H.264

Back Light Compensation

IP66

Day / Night

Easy to install

IP based
PoE

SD card recording

IR Infrared night vision

▸ Outdoor bullet IR IP camera

▸ Wide Dynamic Range

▸ On-board Infrared lights – The camera can view up to 35 metres at night

▸ IR cut filter for day/night operations

▸ 1080p HD resolution

Dimensions (unit in mm):
Body : 98.5 x 90 x 195(W x H x D) Bracket : 160mm(L)

Full HD 1080

Onvif S

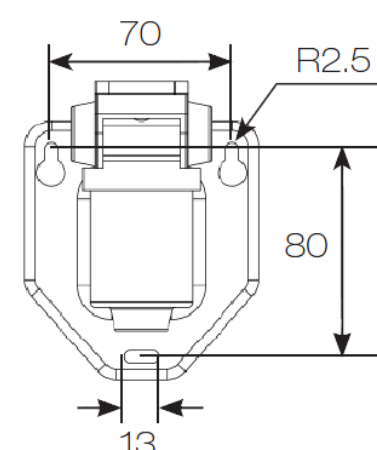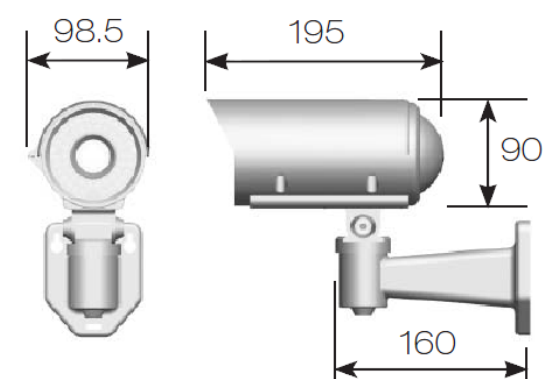98.5   195   90   160

70   R2.5   80   13

As with all Pro series cameras, the Day & Night 1080P HD Vari-Focal IR IP Camera IPR7722X 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. The IPR7722X is capable of producing four independent video streams, different streams can be set for different applications, depending on the individual user requirements. 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.

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

IP66 weather proof

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

Off   On

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

OFF   ON   PLUS ON

Face Detection

Automatically detects a human face
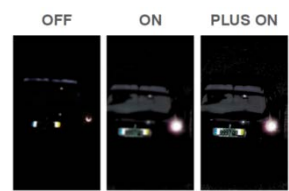
Video Security App

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

IPR7722X 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
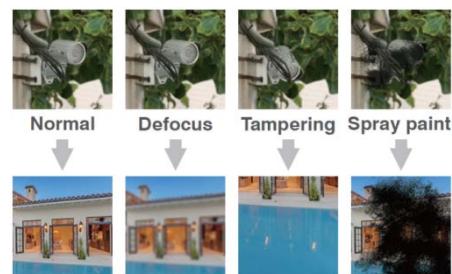
ONVIF-compliant

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. IPR7722X camera is ONVIF Profile S conformant

ONVIF

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

Normal   Defocus   Tampering   Spray paint

Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders

SD Cards in Sync with NAV Software

IPR7722X 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)

micro SD 128GB

IR Infrared Night Vision

Infrared options with built-in LEDs that are able to see in almost complete darkness, providing clear, detailed video clarity at night-time for round-the-clock video surveillance
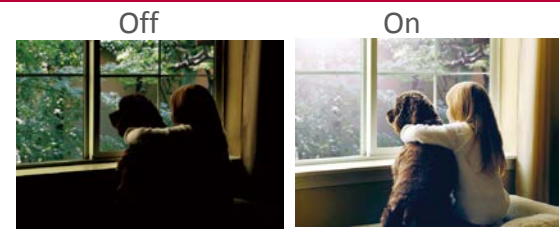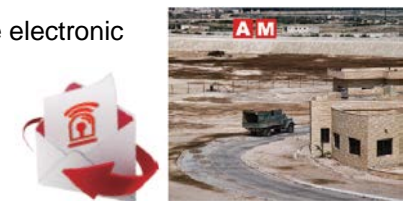
OFF   IR   ON

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)
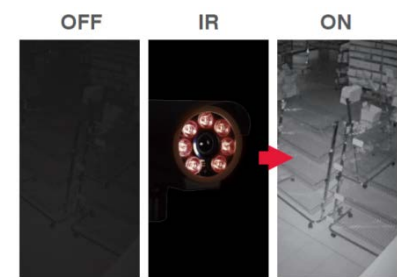
Wide Dynamic Range

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

ON   OFF
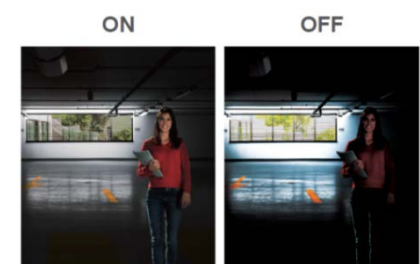
Day & Night 1080P HD Vari-focal IR IP Camera

Video performance & power

Model#	IPR7722ESX3.6
Low Light Mode (Colour)	0.02 Lux at F1.4 (Low Light Mode) / 0 Lux with IR LED ON
Power consumption	DC12V, 10.5W / PoE, 12W
Power supply	DC12V ±10% / PoE (IEEE 802.3af compliant)

Lens

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

Sensor

Sensor type	1/2.8" CMOS image sensor
Effective pixels	1984 (H) x 1105 (V) = 2,192,320 (pixel)

Certifications

CE	Yes
FCC	Yes
IP rating	IP66 waterproof
IK rating	IK10
UL	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	Body : 98.5mm(W) x 90mm(H) x 195mm(D) , Bracket : 160mm(L)
Weight	1450g approx.
Window	Ø72 heat resistant glass

Input / output

Live video output	CVBS 1.0Vp-p, 75 ohm, BNC connector
Audio input / output	Mono, 1.4 Vp-p , 50 KΩ , terminal connector
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

Environmental

Operating temperature	-40°C～+50°C (-40°F～122°F)

Night vision (infrared LED)

Distance	35m
Peak wavelength	850nm
Beam spread	30°

Video resolution (H x V)

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
	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

Video functions

Day/Night (IR-cut filter)	Colour (Day), Monochrome (Night), Auto, Schedule
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

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

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	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

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