



## Vandal Resistant Dome

### Mercury SX 2<sup>nd</sup> Generation

- New 1/3" Progressive Scan CMOS
- Motorised 3-9mm P-Iris Lens
- Wide Dynamic Range
- Vandal Resistant
- 35M IR Range
- Auto Focus
- Quad Stream
- OnVif
- POE (IEEE 802.3af)
- 4 year Warranty
- IP66 & IK10

### New 1/3" Progressive CMOS

The second generation of Mercury SX Series dome cameras incorporates a brand new 4 megapixel CMOS image sensor can run in 16:9 format and includes state-of-the-art image enhancement technologies offering excellent colour reproduction.

### WDR

The 2<sup>nd</sup> generation Mercury SX range also offers the latest Wide Dynamic Range feature making this range ideal for surveillance in areas with strong variations in light, for instance close to large windows and entrances or where the sunlight creates both very bright zones and dark shadows.

### Motorised P-Iris Lens

Remote zoom and focus feature enables convenient focusing over the network together with the special P-Iris lens, eliminating the need for hands-on fine tuning. This remote adjustment functionality greatly speeds up installation time and ensures that the camera's angle of view is optimized for the area to be monitored giving contrast and clarity in the depth of field and optimising image resolution.

### Improved IR Technology

The 2<sup>nd</sup> generation Mercury SX range, incorporates the latest improvements in IR technology offering up to 35 meters distance.

### POE

The 2<sup>nd</sup> generation Mercury SX range comes with Power over Ethernet (PoE) meaning the heater in the camera no longer needs to be powered locally, this feature once again simplifies installation since only one cable is needed to carry power for the camera, heater as well as video signal.

### Protection

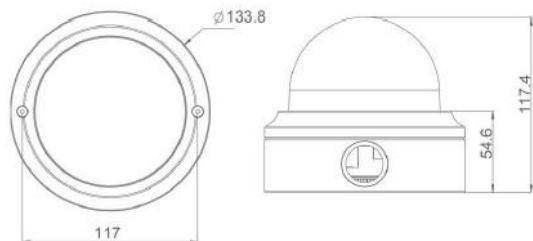
The 2<sup>nd</sup> generation Mercury SX range offers IP66 protection against dust, rain and snow and can operate in extreme cold temperatures. The cameras' extreme cold control function ensures safe start-up from -40 °C with an operational temperature range of -40°C ~ +50°C (POE, IEEE 802.3af)

# Technical Specification Mercury SX-321IR

Camera	
Camera type	Dome day / night (ICR Type)
Effective Pixels	(1280H) x 1024(V)
Image Sensor	1/3" Progressive CMOS
Electronic Shutter Speed	1~1/10.000 sec.
Min. Illumination	0.2 lux (Colour)/ 0.02 lux (B/W) F1.2, 30IRE
Day/night switching	Mechanical IR-cut
Lens	
Lens type	Motorized Autofocus
Focal Length	3 ~ 9 mm
F. number	F1.4 (wide), F2.1(tele)
Iris	P- iris
FOV	135.6° (Wide); 45.5° (Tele)
Video	
Video compression	H.264/MJPEG
Resolution	SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QCIF@30fps (WDR)
Single stream NTSC	H.264 720P @ 30 fps
Single stream PAL	H.264 720P @ 25 fps
Multiple streams	Quad Stream
Brightness	Manual
Exposure	Auto / Manual
Sharpness	Manual
Contrast	Manual
White Balance	Manual / AWB/ ATW
Saturation	Manual
Hue	Manual
Digital Zoom	Yes
WDR	upto 75 dB
3D Noise	On/Off
Privacy Zone	On/Off
Motion detection	On/Off
Tampering Alarm	On/Off

Network	
Network Interface	Ethernet (RJ45) 10/100Mbps
Supported protocol	IPv4/v6, TCP/IP, UDP, RTP, STPS, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, Upnp, IGMP, SNMP, QoS
Internet Browser	Internet Explorer (6.0+), Chrome, Firefox, Safari
Password Levels	User / Administrator
User Account	20
Event Notification	HTTP, FTP, SMTP
General	
OnVif	Profile S, see more information on <a href="http://www.onvif.org">www.onvif.org</a>
SD Card Slot	SD card slot Micro SDXC 64GB supported (card is not included)
Audio	Two-way /G.711 /G.726
Audio input / output	5 of 9pin terminal block
Digital In/out	1/1 (4 of 9 pin terminal block)
Analog Video Output	2 pin connector 75Ω, PAL class 2
Power Voltage	12VDC / 24VAC/ POE (IEEE802.3af)
Power Consumption	Max. 12,9W
Power Connector	2 pin terminal block / RJ45
Built-in IR illuminator	Up to 35 meters 6 x 850nm high power LEDs
Environmental Casing	IP66 & IK10
Languages	English / French / German / Italian / Portuguese / Russian / Spanish
Operating Temperature/Humidity	-40°C ~ +50°C (POE) 10% ~ 90% RH
Dimensions	Ø133,8 x 117,4 mm
Weight (Net)	Approx. 745g
Warranty	4 years
Included accessories	Installation and Management software DVD
Part number	0070-04321IR

Optional accessories	
1ch video management software	0063-99999
Wall bracket	0070-10016
AppView for smart phones and tablet	free download



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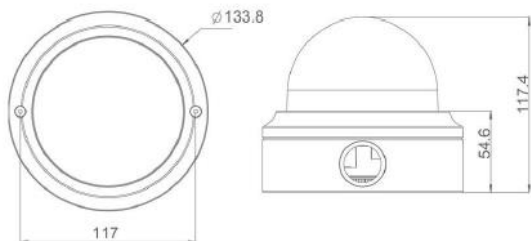
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# Technical Specification Mercury SX-322IR

Camera	
Camera type	Dome day / night (ICR Type)
Effective Pixels	1920 (H) x 1080(V)
Image Sensor	1/3" Progressive CMOS
Electronic Shutter Speed	1~1/10.000 sec.
Min. Illumination	0.2 lux (Colour)/ 0.02 lux (B/W) F1.2, 30IRE
Day/night switching	Mechanical IR-cut
Lens	
Lens type	Motorized Autofocus
Focal Length	3 ~ 9 mm
F. number	F1.4 (wide), F2.1(tele)
Iris	P- iris
FOV	135.6° (Wide); 45.5° (Tele)
Video	
Video compression	H.264/MJPEG
Resolution	Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QCIF@30fps (WDR)
Single stream NTSC	H.264 1080P @ 30 fps
Single stream PAL	H.264 1080P @ 25 fps
Single stream NTSC	H.264 720P @ 30 fps
Single stream PAL	H.264 720P @ 25 fps
Multiple streams	Quad Stream
Brightness	Manual
Exposure	Auto / Manual
Sharpness	Manual
Contrast	Manual
White Balance	Manual / AWB/ ATW
Saturation	Manual
Hue	Manual
Digital Zoom	Yes
WDR	upto 75 dB
3D Noise	On/Off
Privacy Zone	On/Off
Motion detection	On/Off
Tampering Alarm	On/Off

Network	
Network Interface	Ethernet (RJ45) 10/100Mbps
Supported protocol	IPv4/v6, TCP/IP, UDP, RTP, STPS, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, Upnp, IGMP, SNMP, QoS
Internet Browser	Internet Explorer (6.0+), Chrome, Firefox, Safari
Password Levels	User / Administrator
User Account	20
Event Notification	HTTP, FTP, SMTP
General	
OnVif	Profile S, see more information on <a href="http://www.onvif.org">www.onvif.org</a>
SD Card Slot	SD card slot Micro SDXC 64GB supported (card is not included)
Audio	Two-way /G.711 /G.726
Audio input / output	5 of 9pin terminal block
Digital In/out	1/1 (4 of 9 pin terminal block)
Analog Video Output	2 pin connector 75Ω, PAL class 2
Power Voltage	12VDC / 24VAC/ POE (IEEE802.3af)
Power Consumption	Max. 12,9W
Power Connector	2 pin terminal block / RJ45
Built-in IR illuminator	Up to 35 meters 6 x 850nm high power LEDs
Environmental Casing	IP66 & IK10
Languages	English / French / German / Italian / Portuguese / Russian / Spanish
Operating Temperature/Humidity	-40°C ~ +50°C (POE) 10% ~ 90% RH
Dimensions	Ø133,8 x 117,4 mm
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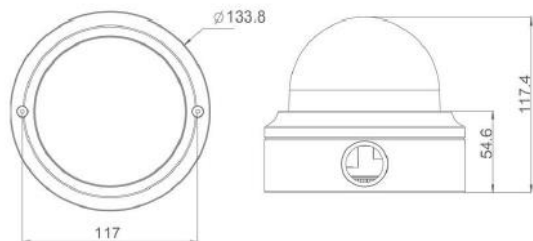
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# Technical Specification Mercury SX-324IR

Camera	
Camera type	Dome day / night (ICR Type)
Effective Pixels	2688(H) x 1520(V)
Image Sensor	1/3" Progressive CMOS
Electronic Shutter Speed	1~1/10.000 sec.
Min. Illumination	0.2 lux (Colour)/ 0.02 lux (B/W) F1.2, 30IRE
Day/night switching	Mechanical IR-cut
Lens	
Lens type	Motorized Autofocus
Focal Length	3 ~ 9 mm
F. number	F1.4 (wide), F2.1(tele)
Iris	P- iris
FOV	135.6° (Wide); 45.5° (Tele)
Video	
Video compression	H.264/MJPEG
Resolution	2560 x 1440 (4M) Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QCIF@30fps (WDR)
Single stream NTSC	H.264 2560 x 1440 (4M) 15fps
Single stream PAL	H.264 2560 x 1440 (4M) 12fps
Single stream NTSC	H.264 1080P @ 30 fps
Single stream PAL	H.264 1080P @ 25 fps
Single stream NTSC	H.264 720P @ 30 fps
Single stream PAL	H.264 720P @ 25 fps
Multiple streams	Quad Stream
Brightness	Manual
Exposure	Auto / Manual
Sharpness	Manual
Contrast	Manual
White Balance	Manual / AWB/ ATW
Saturation	Manual
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