



360° Panoramic Camera

Saturn SX360

- 30fps @ 6MP (3072 x 2048)
- 360° / 180° Panoramic Views
- Multiple De-warp Display Modes
- Edge De-warping
- Wide Dynamic Range up to 70dB
- Digital PTZ, Quad View
- Microphone and Speaker
- Built-in IR illumination
- POE (IEEE 802.3at)
- OnVif
- 4 year Warranty

Unsurpassed Quality

The new 6 megapixel panoramic IP camera offers Multiple Streams in Ultra High Definition and features 180° panoramic view for wall mounting or 360° panoramic view for mounting to a ceiling offering unpatrolled quality without blind spots. The Saturn SX360 camera supports 6 Megapixels resolution streaming at 25fps (PAL) & 30 fps (NTSC) which allows the video to be viewed smoothly.

De-Warping

The edge De-Warping function of the camera can de-warp the fisheye source images. With this feature, the de-warped images in panoramic view or other different viewing modes can be recorded.

360° Panoramic Views

Enhancing the features further we have developed embedded technology to allow 180° wall and 360° ceiling mounting selections plus multiple display modes to allow the Saturn SX360 IP camera to provide highly flexible viewing options for many different types of the CCTV market including the transportation sector, shopping malls, warehouse facilities, retail stores, hotels, schools and offices with tight budgets for video surveillance.

IR-LED

The Saturn SX360 also benefits from an IR LED module and noise reduction technique allowing the camera to deliver clear images in low light conditions. Built-in microphone and speaker also enable users to fulfil two-way communication

360° Panoramic Camera

Panoramic 360° Lens

The Panoramic lens in the Saturn SX360 gives you wide coverage without blind spots in any given area. With our Edge Dewarping software we can turn this image into flat 2D images via the camera rather than the back end system.



Quad View with Easy PTZ

Using Edge Dewarping the Saturn 360° camera can give you the benefits of having 4 cameras in one area. These images can also be used as 4 different Easy PTZ cameras with pan tilt and zoom functions.



3MP



5MP



6MP

Ultra High Definition Fisheye IP Camera

Giving you a maximum resolution of 6 Megapixel which equates to a massive 3072 x 2048 @ 30FPS

Technical Specification – Ernitec Saturn SX360 IH

Camera	
Camera type	360° panoramic day / night camera (ICR Type)
Effective Pixels	3072 (H) x 2048 (V)
Image Sensor	1/1.8" Sony Progressive CMOS
Electronic Shutter Speed	1~1/10.000 sec.
Min. Illumination	Day: 0.04 Lux (colour). Night: 0.002 Lux (mono). 50 IRE, F2.8, 1/30s shutter
Day/night switching /IRC	Mechanical IR-cut, Auto / LED On / LED Off / Smart IR / Light Sensor

Video	
Video Compression	MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile / SVC
Video Streaming	Single streaming Dual streaming Quad streaming
Frame Rate	Up to 30 fps @ 6MP 60 fps @ 1080P
Video Resolution SW Dewarping	H.264 - 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA/MJPEG - Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
Video Resolution Edge Dewarping	H.264 - 2048x2048 / 2688x1520 / 2048x1536 / 1920x1080 / 1600x1200 / 1408x1408 / 960x960 / 960x720 / 960x554/MJPEG - 1920x1080 / 1600x1200 / 1408x1408 / 960x960 / 960x720 / 960x554
Video Windows under ePTZ	4
Video Dewrap Engine	Edge Embedded (Camera Side)
Video Analytic Engine	Edge Embedded (Camera Side)

Operation	
Backlight	On / Off
White Balance	Manual / AWB / ATW
3D Noise Reduction	On / Off (w/ Motion Compensation)
Wide Dynamic Range	On / Off up to 70dB
Privacy Mask	On / Off
Brightness	Manual
Exposure	Auto / Manual
Sharpness	Manual
Contrast	Manual
Saturation	Manual
Hue	Manual
Digital Zoom	Yes
Motion Detection	By Schedule / 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

Lens	
Lens type	1/2.5" Fisheye Lens
Focal Length	1.05mm
Iris Range	F2.8
Iris	Auto / Manual
FOV	180° @ Full Resolution

General	
Onvif	Yes, Onvif profile S
SD Card Slot	Optional SD card slot Micro SDXC 64GB supported (card is not included)

Audio	Built-in Speaker (Max. 2W Mono) & Microphone or Two- way Audio (Line in / Line out) Two-way / G.711 / G.726
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Digital In/out	1/1
Power Voltage	12VDC/ 24VAC/ POE (IEEE802.af)

Power Consumption	Max. 91W
Power Connector	3 pins terminal block / RJ45
Environmental Casing	(indoor only)

Languages	DE, ES, FR, IT, PT, RU, UK
Operating Temperature/Humidity	-10°C ~ +50°C 10% ~ 90% RH

Dimensions	ø149 x 45.8mm
Weight (Net)	Approx. 355g

Warranty	4 years
Included accessories	Installation and Management software DVD

Part number Indoor	0070-04916IH
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We reserve the right to introduce product modifications without notice

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Technical Specification – Ernitec Saturn SX360

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Image Sensor	1/1.8" Sony Progressive CMOS	Internet Browser	Internet Explorer (6.0+), Chrome, Firefox, Safari
Electronic Shutter Speed	1~1/10.000 sec.	Password Levels	User / Administrator
Min. Illumination	Day: 0.04 Lux (colour). Night: 0.002 Lux (mono). 50 IRE, F2.8, 1/30s shutter	User Account	20
Day/night switching /IRC	Mechanical IR-cut, Auto / LED On / LED Off / Smart IR / Light Sensor	Event Notification	HTTP, FTP, SMTP
Video		Lens	
Video Compression	MJPEG / H.264 (MPEG-4 Part 10/AVC) Baseline / Main Profile / High Profile / SVC	Lens type	1/2.5" Fisheye Lens
Video Streaming	Single streaming Dual streaming Quad streaming	Focal Length	1.05mm
Frame Rate	Up to 20 fps @ 6MP 60 fps @ 1080P	Iris Range	F2.8
Video Resolution SW Dewarping	H.264 - 6M (3072 x 2048) / Full HD 1080P / SXGA / HD 720P / XGA / SVGA / D1 / VGA / CIF / QVGA / MJPEG - Full HD 1080P / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA	Iris	Auto / Manual
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Video Windows under ePTZ	4	General	
Video Dewrap Engine	Edge Embedded (Camera Side)	Onvif	Yes, Onvif profile S
Video Analytic Engine	Edge Embedded (Camera Side)	SD Card Slot	Optional SD card slot Micro SDXC 64GB supported (card is not included)
Operation		Audio	Built-in Speaker (Max. 2W Mono) & Microphone or Two-way Audio (Line in / Line out) Two-way /G.711 /G.726
Backlight	On / Off	Digital In/out	1/1
White Balance	Manual / AWB / ATW	Power Voltage	12VDC/ 24VAC/ POE (IEEE802.af)
3D Noise Reduction	On / Off (w/ Motion Compensation)	Power Consumption	Max. 91W
Wide Dynamic Range	On / Off up to 70dB	Power Connector	3 pins terminal block / RJ45
Privacy Mask	On / Off	Environmental Casing	Weatherproof IP66 (outdoor only)
Brightness	Manual	Languages	DE, ES, FR, IT, PT, RU, UK
Exposure	Auto / Manual	Operating	-10°C ~ +50°C
Sharpness	Manual	Temperature/Humidity	10% ~ 90% RH
Contrast	Manual	Dimensions	ø149 x 45.8mm
Saturation	Manual	Weight (Net)	Approx. 355g
Hue	Manual	Warranty	4 years
Digital Zoom	Yes	Included accessories	Installation and Management software DVD
Motion Detection	By Schedule / On / Off	Part number Outdoor	0070-04916



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