



4K 360° Panoramic Camera

Saturn PX360-V2

- 20fps @ 12MP
- 4K Ultra HD (4000 x 3000)
- 360° / 180° Panoramic Views
- OnVif Dewarping Support
- Multi-Codec H264 & H265
- IK10
- Digital PTZ, Quad View
- Built-in IR LED illumination
- OnVif
- 4 year Warranty

4K Ultra High Definition Sensor

The Saturn PX 360 is a 12 megapixel panoramic IP camera offers Multiple Streams in 4K (four times higher than HDTV 1080p) and features 180° panoramic view for wall mounting or 360° panoramic view for mounting to a ceiling offering unparalleled quality without blind spots. The Saturn PX360 camera supports 4K resolution streaming at 20fps & 30 fps in 1080p which allows the video to be viewed smoothly.

OnVif Dewarping support

OnVif Dewarping function of the camera can de-warp the fisheye source images. With this feature, the dewarped images in panoramic view or other different viewing modes can be recorded.

IR-LED

The Saturn PX360 also benefits from an IR LED module and noise reduction technique allowing the camera to deliver clear images in low light conditions.

Multi Codec H264 & H265

The 5th generation Mercury SX range, incorporates the latest innovations in codec technology offering the ability to stream in either H.264 or the new H.265 format enabling you to reduce your video storage requirements if you choose H.265.

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 PX360 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.



360° 4K Panoramic Camera

Panoramic 360° Lens

The Panoramic lens in the Saturn PX360 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 PX360 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.



6MP



8MP



12MP

Ultra High Definition 360° IP Camera

Giving you a maximum resolution of 12 Megapixel which equates to a massive (4000 x 3000) or 4K (3840 x 2160)



4K ULTRA HD

4K Ultra HD

The new and improved Saturn PX360 can deliver a maximum of 12MP which equates to a massive (4000x3000) @20fps. At 4K (3840x2160) the frame rate can increase to 30fps. 4K allows you to capture 4 times larger the amount of viewable image.

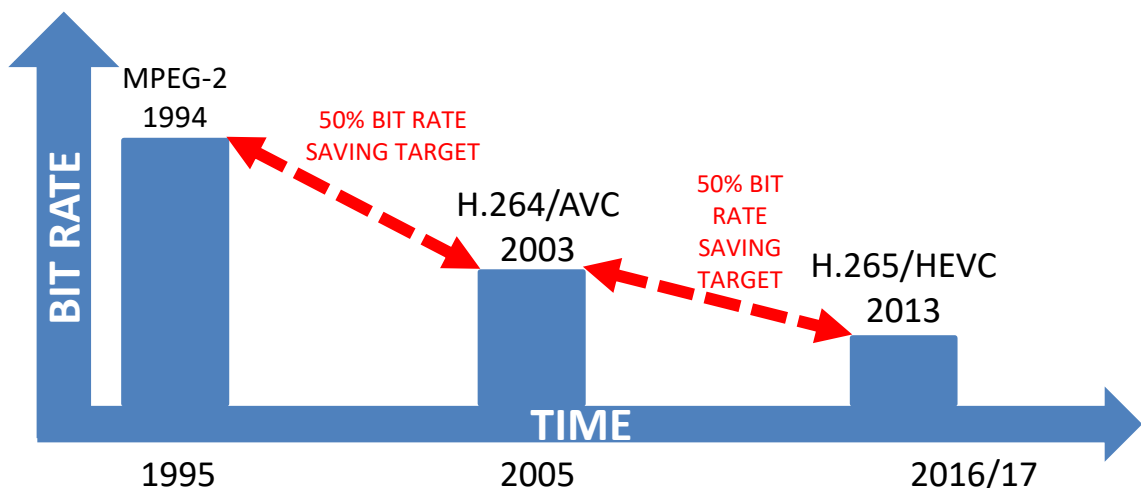
Having 4K combined with the PX360 gives you an unprecedented quality in the camera thus giving you superior appearance when viewing in ePTZ mode. With 4 streams at your disposal and only 130mm in diameter, this PX360 camera punches well above its weight for its size.

Support for the H.265 Video Format

The New Saturn PX 360 supports H265, so called “High Efficiency Video Coding” or HEVC video compression standard. For IP Video systems, it is the most likely successor to H.264, also known as AVC (Advanced Video Coding) or MPEG-4 Part 10. H.265/HEVC offers about double the data compression ratio at the same level of video image size and quality offering large savings on hard drive space requirements or substantially improved video quality at the same bit rate. H.265/HEVC supports resolutions up to 8192x4320, including 8K UHD (Ultra High-Definition).

Hardware Requirement Note:

When using H.265/HEVC decoding more CPU power and/or accelerated graphics hardware/DSPs, Digital Signal Processors will be needed. H265 is more CPU intensive, which will affect how many simultaneous streams a workstation PC can decode.



We reserve the right to introduce product modifications without notice

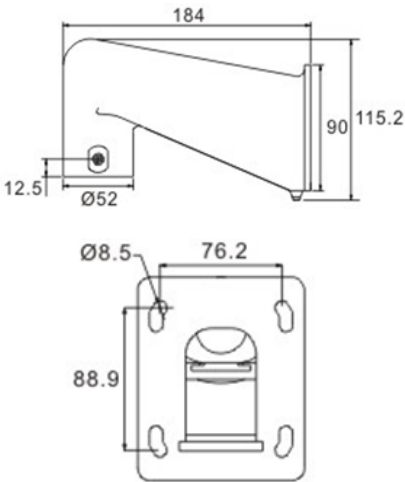
Optional Mounting Accessories

Mini Gooseneck Mount

0070-10024

Dimensions: 184×104×115.2 mm
Weight: 0.6 kg
Supplied with rubber washer and 4x M8x12 screw .

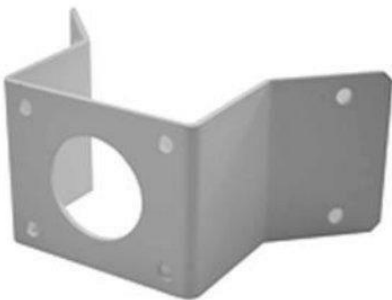
Note: This bracket is a threaded mount



Saturn Mount Kit

0070-10104

To be used with mini goose neck for internal / external wall mounting.



Conner Mount

0070-10004

To be used with mini goose neck for internal / external corner mounting.



Electra POE+

ELECTRA-P2-30W

PoE + Injector for low temperatures below -20 °C
Part number: ELECTRA-P-30W



Technical Specification – Saturn PX 360-V2

Camera	
Camera type	4K 360° panoramic day / night camera (ICR Type)
Effective Pixels	4000 (H) x 3000 (V) – 12MP
Image Sensor	1/1.7" Sony Progressive CMOS
Electronic Shutter Speed	1~1/10000 sec.
Min. Illumination	Day: 0.01 Lux (colour). Night: 0.1 Lux (mono). F2.8
Day/night switching /IRC	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 20 fps @ 12MP Up to 30 fps @ 9MP
Video Resolution SW Dewarping	H.264 - 12M (4000x3000) / H264 – 4K (3840 x 2160) / 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 / One Push
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	Support
Motion Detection	By Schedule / On / Off

Network	
Network Interface	Ethernet (RJ45) 1Gbps Ethernet
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	1/1.7" Fisheye Lens
Focal Length	1.65mm
Iris Range	F2.8
Iris	N/A
FOV	180° @ Full Resolution
General	
Onvif	Yes, Onvif conformant S/G/Q/T
Built-in IR illuminator	Up to 5 meters 4 x 850nm LEDs
SD Card Slot	Optional SD card slot Micro SDXC 64GB supported (card is not included)
Digital In/out	1/1
Audio	Microphone line in / Audio line out
Power Voltage	12VDC / POE (IEEE802.3af)
Power Consumption	PoE – 9W / DC12V – 10W
Power Connector	2 pin terminal block / RJ45
Environmental Casing	Weatherproof IP66 , IK10
Languages	DE, ES, FR, IT, PT, RU, UK
Operating Temperature/Humidity	-30°C ~ +55°C 10% ~ 90% RH
Dimensions	Ø130 x 57.8mm
Weight (Net)	Approx. 575g
Warranty	4 years
Included accessories	Installation and Management software DVD, IP66 RG45 connector
Part number Outdoor	0070-07965

