



ST_P320LR

**320 MP Day/Night, Long
Range Panoramic Camera**
*Designed for hot, humid and dusty
climate*

Product description

- The Long Range Panoramic camera produces hundreds of megapixel large images on which every detail is clearly visible in all lighting conditions. The camera provides wide dynamic range images, have an improved low-light performance and extra high sensitivity.
 - This camera is able to cover large areas up to 8 Sq. kilometer with high resolution from a single viewpoint.
 - The panoramic images ensure an expanded view. Operators can continuously observe the whole monitored area on one camera image without redundant or hidden areas.
 - The huge resolution even makes it possible to recognize faces at a large distance.
- The camera house is completed with an automatic self-cleaning system that consists of a tank with cleaning liquid, a dispenser system and wipers at every window for the best images.

GENERAL FUNCTIONS

- 1" size, CMOS image sensors with extra high-sensitivity
- 320 MP image resolution
- Monitoring vast areas
- Stitched panoramic images with white balance correction
- Synchronized imaging
- 20 FPS at full resolution
- JPEG2000 wavelet-based, visually lossless compression
- 10 Gbps SFP+ socket• All-metal construction of the camera housing
- Quality glass windows with wiping and washing system
- Automatic self-cleaning system• Active and passive cooling system specially designed for harsh environment



- Precise panoramic image stitching in the software
- White balance correction between the stitched camera images
- Easy zooming on the panoramic image
- Having multiple zoom windows on a single panoramic image
- Interactive PTZ control on the panoramic image
- Zone violation detection and immediate alarm
- Individually compressed frames
- Special optical filter and picture enhancement algorithm for foggy, rainy weather conditions
- High Dynamic Range (HDR) technology to have visual information in both dark and bright areas in the same image
- A user-friendly configuration of the automatic self-cleaning system



AUTOMATIC DETECTION AND TRACKING BY COMPUTER

Target	ppm	distance
Human	23 p	3000 m
Light vehicle	12 p	5900 m
Heavy vehicle	8 ppm	8860 m
Airplane	2 ppm	35400 m

Technical Specification

Description	SensorTec 320 Megapixel panoramic camera 40° / with wiper and washer
Resolution	320 Megapixel
Frame rate	20 fps @ 320 MP
Video compression	JPEG2000 - Wavelet
Compression engine	MPX24 Signal Processor
Image sensor	1" WDR 20.48 Megapixel CMOS
Auto focus	Motorized back focus adjustment
Scanning system	Progressive, no interlaced scanning
Shutter type	Electronic rolling shutter (ERS)
Shutter mode	1/10 - 1/20 000 s, 1/1 s low shutter mode
Sensitivity	0.02 lux F1.4 Day mode or 0.002 lux F1.4 Night mode
Gain control	Fix, auto, blur or noise priority
Backlight compensation	Whole picture or any area selectable
Field of View	Horizontal: 40° Vertical: 22°
Inputs/Outputs	1 programmable IO connections
Intelligence	Integrated motion detection Video Content Analysis Optional
Ethernet connection	10 Gbps SFP+ socket
Network security	1500 bit public-key RSA; User authentication
Cooling system	Active cooling system , Passive heat pipes
Heating system	Active automatic – optional
Cleaning system	Wiper with washer, fluid pump and internal tank
Approvals	EN 55032:2015/AC:2016, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 50130-4:2011/A1:2015, IEC/EN 60529 IP66, IEC 60950-1

ELECTRICAL SPECIFICATION

Power supply	10-230 V AC
Power consumption	250 W (150 W heater)
Operating temperature	-20°C to +65°C
Humidity	0 – 95% non-condensing
Protection classification	IP66

MECHANICAL SPECIFICATION

Material	Full metal housing
Weight	49kg (with cameras and lens)
Dimensions (W × D × H)	973 × 762 × 422 mm (with mounting bracket)
Package gross weight	85 kg
Package dimensions (W × D × H)	1110 × 890 × 520 mm

ALL PICTURES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY. ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCEMENT



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