

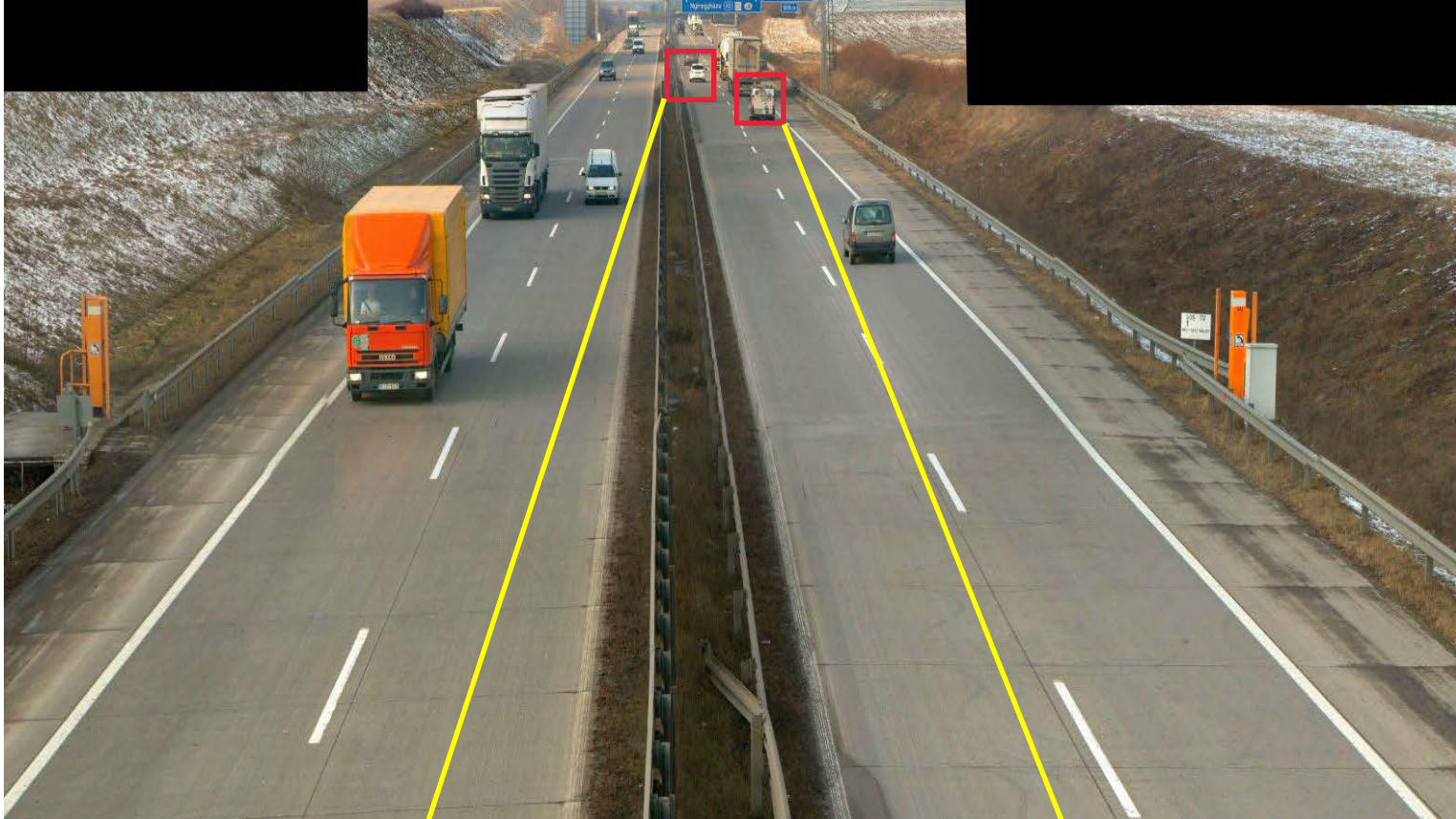
## 320 MP Long Range High-Way Panoramic Camera

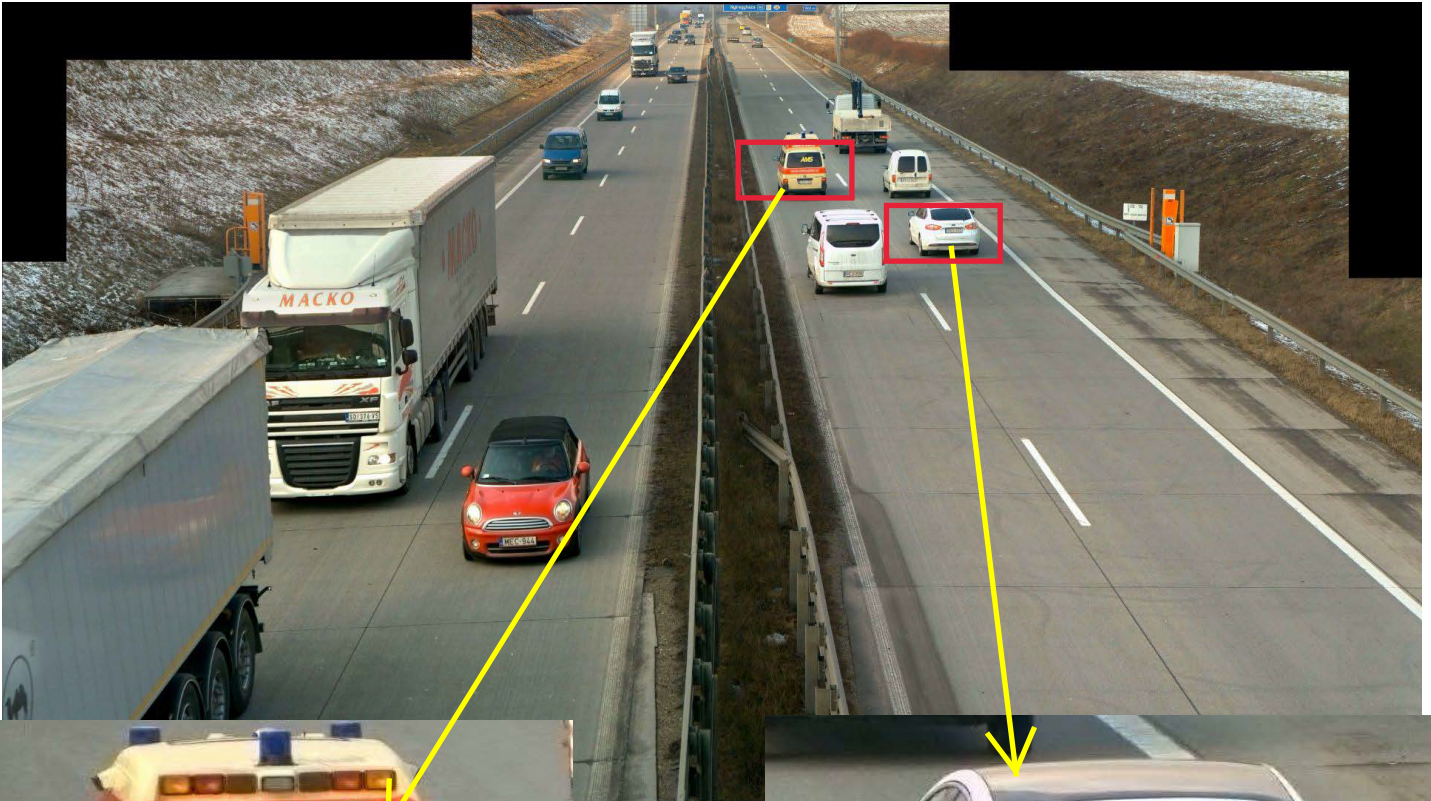


- The Long Range Panoramic camera produces hundreds of megapixel large images on which every detail is clearly visible in all lighting conditions. The camera provides wide dynamic range images, have an improved low-light performance and extra high sensitivity.
- This camera is able to cover large areas 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





## **SPECIALLY DEVELOPED FUNCTIONS IN SENSORTEC CONTROL CENTER**

- 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
- Multi-time exposition and wide dynamic range to efficiently display sunlit

## TECHNICAL SPECIFICATION

Description	Multi-megapixel Auto Back Focus IP camera with 16 pieces of 1" sensor and ICR function for Day/Night switching in weatherproof house with wiper and washer
Resolution	320 Megapixel
Image format	Equivalent 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: 24°
Inputs/Outputs	1 programmable IO connections
Sound	1 ch external 24 kHz/16bit, sound input and output
Intelligence	Integrated motion detection
Ethernet connection	10 Gbps SFP+ socket
Cooling system	Passive heat pipes
Cleaning system	Wiper with washer, fluid pump and internal tank

## ELECTRICAL SPECIFICATION

Power supply	110-230 V AC
Power consumption	250 W (+ 100 W heater)
Operating temperature	-20°C to +65°C (-4°F to +122°F)
Humidity	0 – 95% non-condensing
Protection classification	IP66

## MECHANICAL SPECIFICATION

Material	Full metal housing
Weight	62 kg (with cameras and lens)
Dimensions (W × D × H)	1010 × 845 × 520 mm (with mounting bracket)
Package gross weight	97 kg
Package dimensions (W × D × H)	1160 × 950 × 660 mm

## RESOLUTION SPECIFICATION

Face recognition (Automatic identification) distance	Up to 81 m
Face recognition (Identification by operator) distance	Up to 116 m
Human detection (Detection by operator) distance	Up to 2560 m
Vehicle detection	Up to 3000 m