

SENORTEC 20 MP DAY/NIGHT/IR

The SensorTec 20 MP camera was designed to fulfill special requirements. It can cover vast areas and can operate in different lighting conditions.

Thanks to the 1" sensor, the camera has excellent low-light performance, high sensitivity and a resolution that one finds in professional DSLR cameras. The SensorTec 20 MP camera produces a 20 FPS video stream at full resolution, therefore any motion in the footage seems continuous. The device uses the visually lossless JPEG2000 wavelet-based compression method, compressing each frame separately. The video stream does not contain predicted frames.

With the high frame rate video stream object tracking and video content analysis can be accurate. With its IR Laser Flash the camera is capable of offering sharp and detailed images of both reflective and non-reflective license plates, when monitoring the traffic at night.

Features

- 1" size, CMOS image sensor with extra high-sensitivity
- 20 MP resolution
- 20 FPS at full resolution
- Wide Dynamic Range
- External synchronized IR Flash
- Radar for speed measurement
- Wavelet-based, visually lossless JPEG2000 compression
- Triple optical filters for different operation modes (IR band suppressed/All band enabled/IR bandpass)
- Automatic switching between Day/Night/IR modes
- Automatic Back Focus
- 1 Gbit LPoE Ethernet port
- 4 external, programmable I/O

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
Lens	Standard C mount DC auto/manual IRIS, P-IRIS lens
Inputs/Outputs	4 programmable IO connections NO, NC / OC 0.5A/30V
Sound	Built-in microphone, 1 ch external 24 kHz/16bit, sound in/output
Intelligence	Integrated motion detection
Ethernet connection	1 Gbit / Low Voltage Power over Ethetnet (LPoE)
ELECTRICAL SPECIFICATION	
Power supply	LPoE or 10-24 V DC
Power consumption	7.2 W
Operating temperature	-10 °C to + 65 °C
Storage temperature	-10 °C to + 65 °C
Humidity	0 - 90% non-condensing
Mechanical SPECIFICATION	
Material	Full metal housing
Weight	315 g (without lens)
Dimensions (W × D × H)	53 × 73 × 66 mm (without lens)
Package gross weight	330 g
Package dimensions (W × D × H)	68 × 96 × 75 mm