



LOGIPIX HALF 20 MP CAMERA WITH LENS

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

The Logipix Half 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 optional IR Flash the camera is capable of offering sharp and detailed images of the monitored objects even in extreme situations, when only infrared light is useful during the observation.

KEY FEATURES

- 1/2" size, CMOS image sensor with extra high-sensitivity
- 20 MP resolution
- 20 FPS at full resolution
- Wide Dynamic Range
- Optional external synchronized IR Flash
- Optional radar for speed measurement
- Wavelet-based, visually lossless JPEG2000 compression
- Automatic Back Focus
- 1 Gbit LPoE Ethernet port
- 4 external, programmable I/O
- SD slot for firmware update

SPECIFICATIONS

TECHNICAL SPECIFICATION

Part number	LPIX20-H-34
Description	Logipix H 20 Megapixel, 1/2" IP camera with ABF with lens f=3.6-10mm
Function	Day light
Sensor Resolution	5504 (H) x 3648 (V)
Frame rate	20 fps @ 20 MP
Video compression	JPEG2000 - Wavelet MPX24 Signal Processor
Image sensor	1" color 20 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
Lens	Varifocal multi-megapixel; f=3.6-10 mm
Inputs/Outputs	4 programmable IO connections NO, NC / OC 0.5 A/30 V
Sound	Built-in microphone, 1 ch external 24 kHz/16 bit, sound in/output
Firmware update	SD card or Network
Ethernet connection	1 Gbit / Low Voltage Power over Ethernet (LPoE)
Network security	1500 bit public-key RSA; User authentication
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	10-24 V DC
Power consumption	7.2 W
Operating temperature	-10 °C to + 50 °C (14 °F to +122 °F)
Storage temperature	-10 °C to + 50 °C (14 °F to +122 °F)

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
Master carton gross weight	4 670 g
Master carton dimensions (W × D × H)	340 × 315 × 135 mm
Pieces / master carton	12 pcs

DIMENSIONS (all values are in mm)

