



LOGIPIX ONE 200 MP

Panorama camera with wiper

The Logipix Panorama camera produces hundreds of megapixel large images on which every detail is clearly visible in all lighting conditions. The camera provide 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.

KEY FEATURES

- 1" size, CMOS image sensors with extra high-sensitivity
- 200 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 glass heating
- Automatic self-cleaning system
- Active and passive cooling system

SPECIALLY DEVELOPED FUNCTIONS IN THE LOGIPIX 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
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

SPECIFICATIONS

TECHNICAL SPECIFICATION

Part number	LPAN4-200-02
Description	Multi-megapixel Auto Back Focus IP camera with ten pieces of 1" sensor and ICR function for Day/Night switching in weatherproof house with wiper
Resolution	200 Megapixel
Frame rate	20 fps @ 200 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: 180° Vertical: 14°
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	Passive heatpipe
Heating system	Active automatic - optional
Cooling 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	230 V AC
Inrush current	20 A
Current consumption	max. 3 A
Power consumption	150 W + 200 W heating (max. 650 W)
Operating temperature	-40°C to +50°C (-40°F to +122°F)
Humidity	up to 100% RH (condensing)
Protection classification	IP66

MECHANICAL SPECIFICATION

Material	Full metal housing
Weight	35 kg (with cameras and lens)
Dimensions (W × D × H)	794 × 603 × 416 mm (with mounting bracket)
Package gross weight	57.5 kg
Package dimensions (W × D × H)	940 × 570 × 790 mm

RESOLUTION SPECIFICATION (INSTALLATION HEIGHT 5M)

Covered area	from 19 m to 1,409 m (10 ppm)	
Face recognition (Automatic identification) distance	600 ppm	24 m
Face recognition (Identification by operator) distance	250 ppm	56 m
Human detection (Detection by operator) distance	25 ppm	600 m

RELATED COMPONENTS**Logipix NVR**

Part number	Description
LNVR4-10-16	Logipix NVR for Logipix Panorama and Logipix ONE cameras, 2 port 10Gbit SFP+, 16 HDDs, max. 2 pcs of Logipix Storage Expansion Unit
LNVR4-SE-16	Logipix Expansion Unit, 2 port 10Gbit SFP+, 16 HDDs

Logipix SOFTWARE

Part number	Description
SDB08-CC+	Logipix Control Center Professional
SDB08-CCU	Logipix Control Center Ultimate

APPLICATION AREAS

The 200 MP Panorama camera is the ideal device for the observation of large areas. Therefore it is the core component of many Logipix surveillance solutions.

- Airport Video Surveillance solution**
 All landside and airside areas of airports can be monitored easily with the Panorama camera.
- Safe and Smart City solution**
 Large-scale city squares, parking lots or parks also can be observed with a single panorama camera.
- Border Control Video Surveillance solution**
 Thanks to the Panorama camera even long stretches of borders and wide areas can be covered.
- Critical Infrastructure Video Surveillance solution**
 The Panorama camera is reliable so no crucially important activities or incidents go unnoticed.

DIMENSIONS (all values are in mm)

