



LOGIPIX LONG RANGE PTZ

Logipix Long Range PTZ provides detailed images of target objects at a large distance with a Full HD image resolution and 25 FPS imaging speed. The device has a unique integrated IR Laser illuminator with automatic cooperating focus system to provide the best quality images at night as well. The camera provides effective manual target tracking due to its fast positioning and high accuracy. The specially developed PTZ control functions in the Control Center, such as mouse controlled joystick emulation, the PointIT control function and PTZ position bookmarks make monitoring convenient and easy.

KEY FEATURES

- CMOS 1/2" sensor
- Wide Dynamic Range images
- Long range lens
- 36x optical zoom
- IR Laser illuminator with automatic cooperating focus system (optional)
- Multi-zone video motion detection analytics
- Fast and accurate positioning
- 3D Privacy mask
- Specially developed control functions in the Logipix Control Center
- IP66 rated outdoor enclosure
- Wiper for the lens glass
- JPEG2000 wavelet-based, visually lossless compression

RESOLUTION SPECIFICATION

Face recognition (Automatic identification) distance	600 ppm	250 m
Face recognition (Identification by operator) distance	250 ppm	600 m
Human detection (Detection by operator) distance	30 ppm	5000 m

SPECIALLY DEVELOPED FUNCTIONS IN THE LOGIPIX CONTROL CENTER

Precise positioning with cursor

Zoom history

PTZ zoom control by area selection

Joystick emulation control with the mouse

PTZ positioning on map

Interactive PTZ control on the panoramic image

PTZ Position bookmarks

Automatic PTZ tour with predefined parameters

TECHNICAL SPECIFICATION

Part number	LPIX-PTZ-16H
Description	Logipix Full HD IP Long Range PTZ camera
Day and Night	ICR function for Day/Night switching, automatically removable infrared-cut filter
Sensor	CMOS 1/2"
WDR	103 dB
Scanning system	Progressive, no interlaced scanning
Video compression	JPEG2000
Image size	1920 x 1024
Frame rate	Up to 25 FPS @ all resolution
Lens	f = 11.9mm - 416mm equivalent; F = 1.5 - 4.3; Auto-focus, Auto-Iris
Zoom	36x Optical Zoom, 10x Digital zoom
Control	PontIT and Region select PTZ control with mouse
	PTZ control via Panoramic image
	PTZ control via Map
	Virtual joystick control
	Physical joystick control
	GPS Direct control
Horizontal range	0-360°
Vertical range	0-100°
Preset speed	400°/sec
Preset accuracy	± 0.10°
Preset positions	100, selectable default preset
Guard tour	Unlimited, Schedule based
Angle of View	Horizontal: 25.8° - 0.75°
	Vertical: 13.9° - 0.4°
Minimum illumination	Color: 0.75 lux (50 IRE AGC-OFF 1/10s 80%) 0.02 lux (50 IRE AGC-ON 1/2s 80%)
	B/W: 0.01 lux (50 IRE AGC-OFF 1/10s 80%) 0.001 lux 50IRE AGC-ON 1/2s 80%)

TECHNICAL SPECIFICATION

Image settings	Color, Brightness, White balance, Compression ratio, FPS, Exposure control, Real-time image enhancement, Text overlay
Privacy mask	3D Privacy mask
Analytics	Video motion detection, multi-zone
Event triggers	Live stream access, Archive stream accessed, Video motion detection, Network, Camera Settings, Temperature, Input trigger, Preset reached
IR Illuminator (optional)	Varifocal IR Laser illuminator, 808 nm, 25W CW
Ethernet connection	1000 Mbit; RJ45
Network	TCP/IP
Network security	1500 bit public-key RSA; User authentication
Storage support	Logipix Network Video Recorder 4 th generation (LNVR4-XX-XX)
Approvals	EN 55022:2010/AC:2011, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 50130-4:2011/A1:2015, EN 55013:2013, EN 55024:2010, IEC/EN 60529 IP66

ELECTRICAL SPECIFICATION

Power supply	24 VDC
Power consumption	5 A
Operating temperature	-40 °C to + 50 °C (-40 °F to + 122 °F)
Storage temperature	-20 °C to + 50 °C (-4 °F to + 122 °F)
Humidity	0 - 90% non-condensing
Protection	IP66

MECHANICAL SPECIFICATION

Dimensions (W×D×H))	390 × 315 × 220 mm
Weight net	8 kg
Material	full metal casing Aluminium alloy, glass windows

RELATED COMPONENTS

Logipix NVR

Part number	Description
LNVR4-10-16	Logipix 4 th NVR for Logipix Panorama and Logipix ONE cameras, 1 port 10 Gbit SFP+ for cameras, 16 HDDs , max. 2 pcs of Logipix Storage Expansion unit
LNVR4-16-16	Logipix 4 th NVR for Logipix Panorama and Logipix ONE cameras, 1 port 10 Gbit SFP+ for cameras, 16 HDDs, max. 2 pcs of Logipix Storage Expansion unit

Logipix SOFTWARE

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

APPLICATION AREAS

The Logipix Long Range PTZ makes it possible to effectively monitor targets at a 5 km distance 24/7. The PTZ camera was created to be used in solutions such as the Logipix airport, border control and critical infrastructure video surveillance solutions. The PTZ can work together with the Logipix Panorama camera. Operators can control the camera by selecting the area of interest on the panoramic image.

- **Airport Video Surveillance solution**
- **Border Control Video Surveillance solution**
- **Critical Infrastructure Video Surveillance solution**