

# LOREX<sup>®</sup>

## 4K Ultra HD IP 25× Pan-Tilt-Zoom Camera




### Security at Every Angle


Experience a heightened level of security with the Lorex 4K Pan-Tilt-Zoom IP Camera. Monitor larger areas and get complete coverage of your property with the 360° rotation with rapid panning and tilt-speeds. See the finest details with 4K Resolution paired with Color Night Vision and long range IR Night Vision up to 150 ft. Get added clarity of objects from a far with the impressive 25x optical zoom. Enjoy real-time recording of 30-frames per second perfect for high traffic areas. Never miss a thing with 24/7 continuous recording when paired a compatible recorder. Monitor your large property smarter and with ease with this intuitive Lorex 4K Pan-Tilt-Zoom IP Camera.

#### Features

**4K**  
4K  
Resolution

  
Color Night  
Vision

  
Motion  
Detection

  
Wide Dynamic  
Range

  
Pan Tilt  
Zoom

  
Fast 400deg/sec  
Panning speed

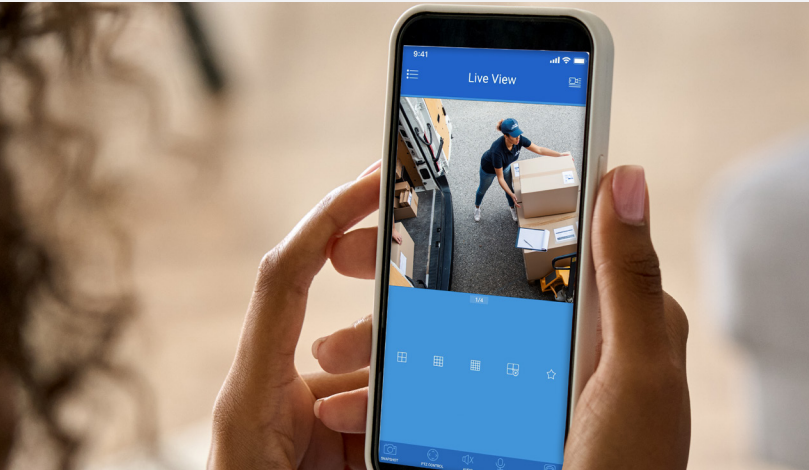
  
IK10 Vandal  
Resistant Rated



# LOREX<sup>®</sup> 4K Ultra HD IP 25x Pan-Tilt-Zoom Camera

## 4K Get the finest detail

- 4K (8MP) Ultra HD resolution, ensuring clear and detailed footage
- Record at a real-time 30 frames-per-second, providing smooth and clearer footage
- Experience enhanced nighttime clarity and better video evidence with Color Night Vision<sup>2</sup>
- Up to 150ft (46m) IR night vision in low light and 98ft (30m) in total darkness<sup>3</sup>



## Always Know What's Happening

- Keep an eye on trespassers and vehicles with advanced AI features – Smart Motion Detection, which detects motion from person/vehicle
- Never miss a thing with Auto-Tracking, as camera head spins and turns to follow moving objects.

## No Matter the Weather

- Durable Weatherproof IP67 camera housing designed to withstand hard weather conditions
- Operates in temperatures low as -40°F (-40°C) and high as 158°F (70°C)
- Built to endure high impact with IK10 Vandal Resistant



## Pan-Tilt-Zoom

- Get the full picture with the endless 360° Pan range
- Fast 400°/sec panning speed and tilt capabilities allows to cover larger areas quicker
- 25x Optical Zoom through the Lorex App, provides an added level of clarity to far objects
- Program preset viewing points, patterns, scan cycles and tours when connected to a compatible NVR

# LOREX<sup>®</sup> 4K Ultra HD IP 25× Pan-Tilt-Zoom Camera

## Product Specifications

### Specification

|                               |  |
|-------------------------------|--|
| Video Transmission Technology | IP                                     |
| Image Sensor                  | 8MP/4K 1/1.8" CMOS                     |
| Video Format                  | NTSC                                   |
| Video Compression             | H.265/H.264 (Main Stream & Sub Stream) |

### Optical

|                            |                                    |
|----------------------------|------------------------------------|
| Viewing Angle (Horizontal) | 61.6°– 3.6°                        |
| Viewing Angle (Diagonal)   | 66.6°– 4°                          |
| Lens/Lens type             | 5.4–135mm F1.6– F4.0 / Zoom Module |
| Optical Zoom               | 25×                                |
| Digital Zoom               | Yes <sup>5</sup>                   |

### Pan/Tilt Capabilities

|                        |  |
|------------------------|--|
| Pan / Tilt Range       | Pan: 0°–360° endless<br>Tilt: -15° ~ 90° |
| Auto Flip              | Yes, 180°                                |
| Continuous Rotation    | Yes                                      |
| Manual Speed (Maximum) | Pan: 0.1°–300°/s<br>Tilt: 0.1°–140°/s    |
| Preset Speed (Maximum) | Pan: 400°/s; Tilt: 300°/s                |
| Presets                | 300                                      |
| Patterns               | 5  |
| Tours                  | 8  |
| Other PTZ Functions    | Auto Scans, Auto Pan                     |
| Camera OSD             | Yes                                      |

### Special Features

|                  |     |
|------------------|-----|
| Motion Detection | Yes |
|------------------|-----|

### Video Output

|                          |                        |
|--------------------------|------------------------|
| Resolution/Frame rate    | Up to 4K (8MP) @ 30fps |
| Effective Pixels         | H:3840 × V:2160        |
| WDR (Wide Dynamic Range) | Yes                    |
| Termination              | RJ45                   |

### Night Vision

|                    |                         |
|--------------------|-------------------------|
| Night Vision Range | 150ft (46m)/ 98ft (30m) |
| Color Night Vision | Yes                     |

### General

|                           |  |
|---------------------------|--|
| Body Material             | Aluminum Alloy   |
| Vandal Resistant Rating   | IK10   |
| Power Requirements        | PoE Plus (Power over Ethernet Plus Class -802.3at)/24W |
| Power Consumption (max)   | 1A / 24W   |
| Camera Dimensions (W × H) | 6.5 × 13" / 331 × 165mm                                |
| Camera Weight             | 11.7lb / 5.3kg   |
| Operating Temperature     | -40°F ~ 158°F / -40°C ~ 70°C                           |
| Humidity                  | < 95% RH   |

### Model Information

LNZ81P25 4K Ultra HD IP 25× PTZ Camera 6-95529-04947-2

### Dimensions

|                                |   |
|--------------------------------|---|
| Package                        | Brown box                               |
| Package Weight                 | 15.6lb / 7.1kg                          |
| Package Dimensions (W × D × H) | 10.6 × 10.6 × 25.6" / 270 × 270 × 650mm |
| Package Cube                   | 1.67 cbf / 0.047cbm                     |

## What's in the box



1 × PTZ Camera



1 × Wall Mount



1 × Power Adapter



1 × Safety Chain



1 × Installation Kit



Quick Setup Guide

### Disclaimers:

- Compatible with select Lorex analog HD recorders. For a full list of compatible recorders visit: [www.lorex.com/compatibility](http://www.lorex.com/compatibility)
- Full color nighttime video typically switches to black & white IR night vision below 1 lux to ensure optimal low-light image quality.
- Stated IR illumination range is based on ideal conditions in typical outdoor night time ambient lighting and in total darkness. Actual range and image clarity depend on the installation location, viewing area, and light reflection/absorption level of an object. In low light, the camera will switch to black and white.
- Not intended for submersion in water. Installation in a sheltered area recommended.
- Digital zoom is a function controlled by the connected NVR. For a list of compatible NVRs visit: [www.lorex.com/compatibility](http://www.lorex.com/compatibility)
- A Cat5e cable is required to connect to a compatible NVR. Not included.

Lorex products are designed for consumer and business use only and not for US federal governments, federally-funded projects or contractors subject to NDAA.

LNZ81P25  
lorex.com

Lorex Corporation  
10440 Little Patuxent Parkway, Ste. 300,  
Columbia, MD 21044, United States

© 2022 Lorex Corporation  
As our product is subject to continuous improvement, Lorex Technology & subsidiaries reserve the right to modify product design, specifications & prices without notice and without incurring any obligation. E&OE. (22-0108-LOR) 12012022-1