LUM-420-IP-PTZ-25W

4MP Smart Tracking

IP PTZ Camera

LUMA LUM-420-IP-PTZ-25W 4MP Smart Tracking IP PTZ Camera Owner's Manual

Contents

LUMA LUM-420-IP-PTZ-25W 4MP Smart Tracking IP PTZ Camera

Specifications

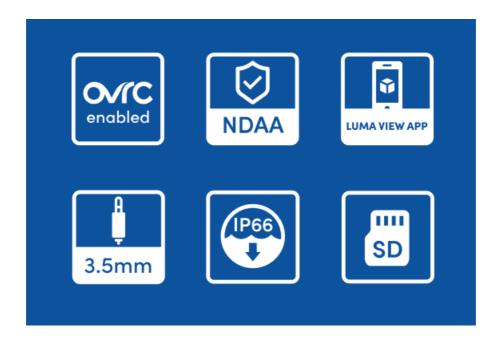|	
Resolution	4MP (2560 x 1440) at 30fps
Shutter Speed	1/30s–1/30,000s
Min. Illumination	Color: 0.01 lux, AGC ON; 0 lux with IR B/W: 0.002 lux, AGC ON; 0 lux with IR
Lens	4.8–120mm (25x Optical Zoom)
Aperture	F1.65
Field of View	Horizontal: 57.6°–2.4°, Vertical: 33.4°–1.4°
PTZ Zoom	25x Optical Zoom
PTZ Pan Range	360° Endless Panoramic
PTZ Pan Speed	Configurable, from 0.1°–200°/s, Preset speed: 240°/s
Tilt Range	-10°–90°, auto flip
Tilt Speed	Configurable, from 0.1°–200°/s, Preset speed: 240°/s
Presets	360
Trace	8 Traces, up to 16 presets for each trace

Patrol	4 Patrols, max. 3 minutes for each patrol
3D Positioning	Web UI and Luma View
IR Range	Starlight IR, 150m (492 ft.)
Smart IR	Yes
Wide Dynamic Range	120dB
BLC	Yes
Digital Noise Reduction	3D DNR
Image Snapshot	Yes
PTZ Moment	Pan: 360° Endless Tilt: -10° to 90° with Auto Flip Speed: 0.1°–200°/s, Preset Speed: 240°/s
Video Compression	H.265+/H.265/H.264+/H.264
Main Stream	Up to 4MP (2560 x 1440) at 30fps H.265(+): 2560 x 1440 30fps H.264(+): 2560 x 1440 30fps H.265(+): 2304 x 1296 30fps H.264(+): 2304 x 1296 30fps H.265(+): 1920 x 1080 30fps H.264(+): 1920 x 1080 30fps H.265(+): 1280 x 720 30fps H.264(+): 1280 x 720 30fps
Sub & Third Stream	704 x 480, H.264
Fourth Stream	1280 x 720, H.265, H.264, MJPEG

Audio & Alarm	Audio input & output/1 x Alarm input/1 x Alarm output
Microphone	No
Storage	Built-in micro SD card slot/Up to 256GB
Reset Button	Yes
ONVIF Conformance NDAA Compliant	Yes/Yes
Basic Event	Motion Detection/SD Card Full/SD Card Error
AI Event	Line Crossing/Region Intrusion/Target Counting/Motion Detection
AI Category	Human/Motor Vehicle/Non-Motor Vehicle
Protection	IP66, IK10 (Excluding glass window)
Network	POE+, IEEE802.3at
Browser Support	Chrome, Firefox, Safari, Edge, IE Mode in Edge
Power Supply	DC12V/POE+, Max 24W
CVBS Output	No
Power Consumption	<24W
Operating Temperature & Humidity	-40°F–140°F (-40°C–60°C) Less than 95% non-condensing
Dimensions & Weight	6.8 in. × 10.55 in. (173mm × 268mm), 4.63 lbs. (2.1kg)
Certifications	ETL Listed, CE, FCC

Summary

- With motorized pan, tilt, and zoom (PTZ) capabilities this camera can be manually controlled or configured as part of Presets. Capture incredibly detailed imagery from long distances utilizing the 4MP Starlight image sensor with optical zoom up to 25x magnification.
- The Smart Tracking IP PTZ camera allows the camera to focus on and follow subjects of interest. This is further enhanced by AI support for person and vehicle detection with tracking. Adjust image settings in real-time, set up recordings, and more, all via OvrC®. Control system integration is always top of mind, and this camera is packaged with features for Control4® along with many other popular systems.

Features

- Smart Tracking automatically follows persons or vehicles of interest
- AI-filtered events for person, vehicle, and non-vehicle detection
- Max. Resolution: 4MP (2560 x 1440) at 30fps
- Motorized pan, tilt, and zoom control
- 3D positioning allows for quick PTZ controls via tap controls in Luma View™
- Supports resets, pattern tracking, tasks, and more
- Crystal clear 25x optical zoom capabilities
- Starlight IR up to 150 meters
- 4.8mm–120mm varifocal lens
- Includes audio input/output and alarm input/output
- Built-in micro SD card slot; up to 256GB
- IP66 and IK10-rated protected housing
- Remote monitoring support via the Luma View app
- Includes wall mount bracket in the box

Mounting Accessories

(optional)

Wall Mount Bracket   **5" Ceiling Mount**

Wall Mount Bracket with Junction Box

Pole Mount   **Corner Mount**

1. **Wall Mount Bracket (Included)**
   Model: LUM-A20-WMB-PTZ-W
2. **Wall Mount Bracket with Junction Box**
   Model: LUM-A20-WMBJB-PTZ-W
3. **Pole Mount**
   Model: LUM-A20-PMB-PTZ-W
   Note: Must be used with **LUM-A20-WMBJB-PTZ-W**
4. **Corner Mount**
   Model: LUM-A20-CMB-PTZ-W
   Note: Must be used with **LUM-A20-WMBJB-PTZ-W**
5. **5″ Ceiling Mount**
   Model: LUM-A20-CM5-PTZ-W

Mounting

This camera can be mounted using various accessories. Choose the appropriate mounting option based on your installation requirements.
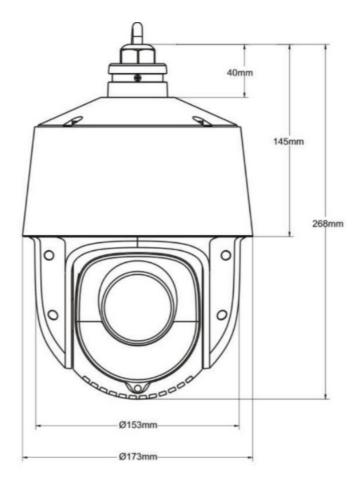
Wall Mount Bracket (LUM-A20-WMB-PTZ-W)
This bracket is included with the camera and can be used for wall mounting.

Setting up the Camera

1. Ensure the camera is securely mounted using the chosen accessory.
2. Connect the power supply (DC12V or POE+) to the camera.
3. If using an Ethernet cable for network connectivity, connect it to the camera's Ethernet port.
4. If using a micro SD card for storage, insert it into the built-in slot on the camera.
5. If configuring audio or alarms, connect the necessary cables to the corresponding ports.

Dimensions

(Unit: mm)

Learn more at **snapav.com/luma**

FAQ

Q: Can I control the camera remotely?
A: Yes, you can control the camera remotely using the web interface or Luma View.

Documents / Resources

LUMA LUM-420-IP-PTZ-25W 4MP Smart Tracking IP PTZ Camera [pdf] Owner's Manual
LUM-420-IP-PTZ-25W 4MP Smart Tracking IP PTZ Camera, LUM-420-IP-PTZ-25W, 4MP Smart Tracking IP PTZ Camera, Smart Tracking IP PTZ Camera, Tracking IP PTZ Camera, IP PTZ Camera, PTZ Camera, Camera

References

- **User Manual**