

# 4 MP Covert Network Pinhole Camera System

Camera and Lens for use with DH-IPC-HUM8431N-E1 Network Pinhole Processing Unit



- 1/2.7-in. 4 MP Progressive-scan CMOS Sensor
- 2.8 mm Fixed Lens
- True Wide Dynamic Range (120 dB)
- Electronic Day/Night Filter
- 8 m (26.25 ft) Cable
- IP67 Ingress Protection
- Requires DH-IPC-HUM8431N-E1 Covert Network Pinhole Processing Unit
- Five-year Warranty\*



## System Overview

The Dahua IPC-HUM8431-L3 is the camera/lens unit for the Network Pinhole Camera system. This camera features a 4 MP progressive-scan CMOS sensor and 2.8 mm fixed lens. The IPC-HUM8431-L3 offers clear images in difficult lighting conditions thanks to its light sensitivity and True Wide Dynamic Range. This camera in conjunction with the DH-IPC-HUM8431N-E1 processing unit delivers a covert camera system suitable for banks, offices and any application that requires discrete video surveillance.

## Technical Specification

### Camera

Image Sensor	1/2.7-in. 4 MP Progressive-scan CMOS
Effective Pixels	2688(H) x 1520(V)
Scanning System	Progressive
Electronic Shutter Speed	Auto, Manual; 1/3 s to 1/100000 s
Minimum Illumination	Color: 0.006 lux at F1.8 (1/3 s, 30 IRE) Color: 0.04 lux at F1.8 (1/30 s, 30 IRE) B/W: 0.003 lux at F1.8 (1/3 s, 30 IRE) B/W: 0.02 lux at F1.8 (1/30 s, 30 IRE)

### Lens

Lens Type	Fixed			
Mount Type	Board-in			
Focal Length	2.8 mm			
Maximum Aperture	F1.8			
Angle of View	Horizontal	109°		
	Vertical	60°		
Focus Control	Fixed			
DORI <sup>1</sup> Distance	Detect (8 ppf)	Observe (19 ppf)	Recognize (38 ppf)	Identify (76 ppf)
	56 m (183 ft)	22 m (72 ft)	11 m (36 ft)	5 m (16 ft)

1. The DORI distance is a measure of the general proximity for a specific classification to help pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specifications and lab test results according to EN 62676-4, the standard that defines the criteria for the Detect, Observe, Recognize and Identify classifications.

## Certifications

Safety	UL60950-1 EN 60950:2000
Electromagnetic Compatibility (EMC)	FCC CFR 47 Part 15 Subpart B

## Electrical

Power Supply	Via DH-IPC-HUM8431N-E1
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## Environmental

Operating Conditions	-30° C to +60° C (-22° F to +140° F) Less than 95% RH
Storage Conditions	-30° C to +60° C (-22° F to +140° F) Less than 95% RH
Ingress Protection	IP67

## Construction

Casing	Metal
Dimensions	ø30.50 mm x 57.59 mm (ø1.20 in. x 2.27 in.)
Net Weight	0.40 kg (0.84 lb)
Gross Weight	0.47 kg (1.04 lb)

**Ordering Information**

Type	Part Number	Description
4 MP Camera	IPC-HUM8431-L3	4 MP Covert Network Pinhole Camera, with ceiling/wall mounting pedestal
Required Processing Unit	DH-IPC-HUM8431N-E1	4 MP H.265 True WDR Processing Unit with IVS for IPC-HUM8431-L3
Hardware Included	1 x Sensor with 8 m cable 1 x Wall/Ceiling Pedestal 1 x Locking Ring 3 x Screws	

**Installation**



**Dimensions (mm/inch)**

