

2 MP In-ceiling PTZ Network Camera

2 MP 12x Starlight Network Camera



- 1/2.8-in. 2 MP STARVIS™ CMOS Sensor
- · Starlight Technology for Ultra-low Light Sensitivity
- Powerful 12x Optical Zoom
- Triple-stream Encoding
- H.265 and H.264 Dual Codecs
- 1080p at 30 fps Maximum Resolution
- Intelligent Video System (IVS)
- IK10 Vandal Resistance
- PoE+ Support
- Five-year Warranty*













System Overview

The 2 MP Starlight In-ceiling PTZ Dome camera features a 1/2.8-in. STARVIS™ CMOS imager with a 12x optical zoom lens, and provides an all in one solution for capturing long-distance video surveillance for indoor applications. The camera uses the H.265 video compression standard to improve encoding efficiency while preserving high-quality video. The PTZ camera is equipped with quick and accurate pan/tilt/zoom control and True WDR for applications with glare.

Functions

Starlight Technology

For challenging low-light applications, Dahua's Starlight Ultra-low Light Technology offers light sensitivity that captures details in low light down to 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

Intelligent Video System

IVS is a built-in video analytic algorithm that delivers intelligent functions to monitor a scene for Tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area. In addition to scene analytics, the camera offers tamper detection by recognizing a dramatic scene change and generating a warning message to inspect the camera.

Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

High Efficiency Video Coding (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference-coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) and to the PSIA (Physical Security Interoperability Alliance) specifications, ensuring interoperability between network video products regardless of manufacturer.

Environmental

With a temperature range of -30 °C to +60 °C (-22 °F to 140 °F), the camera is designed for extreme temperature environments. The camera complies with an IK10 vandal resistance rating making it capable of withstanding the equivalent of 5 kg (11.02 lbs) of force dropped from a height of 40 cm (15.75 in.).

Protection

This camera suits even the harsh conditions for outdoor applications. Its 2KV lightning rating provides protection against the camera and its structure from the effects of lightning.



Camera	1	1202121111					
Image Sensor	Technical Specification				Main Stream	1080p, 720p, or D1 at 30 fps	
Effective Pixels 1920(H) x 1080(V), 2 MP Bit Rate Control CBR, VBR RAM/ROM 1024 MB / 128 MB Bit Rate H.265/H.264:448 K to 8: MIPEG: 5120 K to 10240 Scanning System Progressive Day/Night Auto (ICR), Color, B, W. Minimum Illumination Color: 0.005 kux at F1.6 B/W: 0.0005 kux at F1.6				Frame Rate	Sub Stream 1	D1 or CIF at 30 fps	
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Electromagnetic Compatibility EN 50130-4 (EMC) CFR 47 FCC Part 15 Subp	Protocol DH-SD		-	Compatibility	EN 50130-4 CFR 47 FCC Part 15 Subpart B		
Video ANSI C63.4-2014 Compression H.265, H.264 Immunity EN 55024		Н 265	H.264		Improveditor		

Three (3) Streams

1080p (1920 x 1080), 1.3 MP (1280 x 960),

720p (1280 x 720), D1 (704 x 480), CIF (352 x 240)

Streaming Capability

Resolution

Interface

Audio

Alarm

Input: One (1) Channel

Output: One (1) Channel Input: Two (2) Channels Output: One (1) Channel

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.

Electrical

Power Supply	24 VAC, 1.5 A; PoE+ (802.3at Class 4)
Power Consumption	12 W

Environmental

Operating Conditions	-30° C to 60° C (-22° F to +140° F) Less than 90% RH		
Vandal Resistance	IK10		

Construction

Casing	Metal
Dimensions	ø198.0 mm x 158.0 mm (ø7.80 in. x 6.22 in.)
Net Weight	2.30 kg (5.07 lb)
Gross Weight	3.30 kg (7.28 lb)

Intelligence

IVS triggers an alarm and takes a defined action for the following events:			
Standard Features	 Tampering with the camera. Error writing to an onboard Micro SD card. Error sending or receiving data over the network. Unauthorized access to the camera. 		
Premium Features			
Motion	An object moves through any part of the scene.		
Tripwire	A target crosses a user-defined line.		
Intrusion	A target enters or exits a defined perimeter.		
Scene Change	A person or object moves the camera to change the scene or covers the camera to obscure the scene.		
Abandoned/Missing Object	A target leaves an object in designated area, or a target removes an object from the same designated area.		

Ordering Information

Туре	Part Number	Description
2 MP PTZ Camera	42C212TNI	2 MP 12x Starlight In-ceiling PTZ Network Camera, True WDR, IVS
Accessory, included	AC24V/1.5A	Power Adapter

Accessories

Included:



AC24V/1.5A Power Adapter

Dimensions (mm/in.)



