

2MP WDR IR Mini Bullet Network Camera

Model: PCA1-IPC-2BF-01



Highlight Features

- 1/2.8" 2 Megapixel progressive scan STARVIS™ CMOS
- · H.265 & H.264 triple-stream encoding
- · 50/60fps@1080 (1920×1080)
- · Smart Detection supported
- · WDR (120dB), Day/Night (ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS (DSS/PSS) & DMSS
- · 3.6mm fixed lens (6mm optional)
- · 2/1 Alarm In/Out, 1/1 Audio In/Out
- · Max. IR LEDs Length 40m
- · Micro SD memory, IP67, PoE

System Overview

With upgraded H.265 encoding technology, The series brings high efficient video compression capability. It can save bandwidth and storage. Meanwhile, the series features starlight, smart IR technology and intelligent image analysis techniques. This series supports reminder function, meanwhile fully protected from dust and water.

Functions

Starlight Technology

For challenging low-light applications, PlanetComm's Starlight Ultra-low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.002lux. Clearing images in dark environments.

Wide Dynamic Range(WDR)

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industryleading wide dynamic range (WDR) technology. True WDR (120 dB) optimizes both the bright and dark.

Intelligent Video System (IVS)

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 supports face detection to quickly capture a face and upload the image to a server. The camera also offers tamper detection by recognizing a dramatic scene change and generating a warning message to inspect the camera.

Environmental

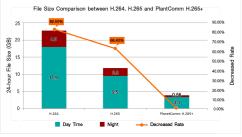
PlanetComm cameras operate in extreme temperature environments, rated for use in temperatures from -40° C to +60° C (-40° F to +140° F) with 95% humidity. An optional heater module extends the multisensor camera's temperature range to -40° C to +60° C (-40° F to +140° F), allowing the camera to operate in the harshest environments.

Protection(IP67, IK10, wide voltage)

The camera allows for ±30% input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67), the camera is the choice for installation in even themost unforgiving environments.

Smart H.265+

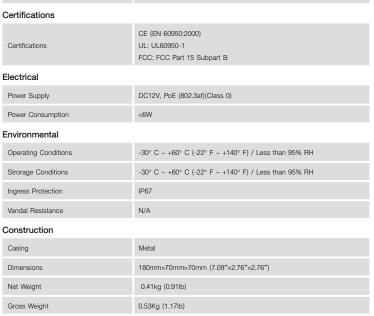
Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.



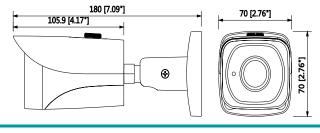


Technical Specification

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Video Certifications Streaming Capability 3 Streams Certifications CE (EN 60950:2000) UL: UL60950-1 FCC: FCC Part 15 Subpart B Resolution 1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/ D1(704x576/704x480)/VGA(640x480)/CF(352x288/352x240) Certifications CE (EN 60950:2000) UL: UL60950-1 FCC: FCC Part 15 Subpart B Main Stream: 1080P(1-50/60fps) Power Supply DC12V, POE (802;3af)(Class 0)		3.6 mm	55m(180ft)	22m(72ft)	11m(36ft)	6m(20ft)	Management Software	Smart PSS, DSS, Easy4ip
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Bit Rate Control CBR/VBR Operating Conditions -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH	Bit Rate Control		CBR/VBR				Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Bit Rate H.264: 24K ~ 10240Kbps Strorage Conditions -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH	Pit Poto		H.264: 24K ~ 10240Kbps				Strorage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH



Dimension







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Off / On (4 Area, Rectangle)

H.265: 14K ~ 9984Kbps

Auto(ICR) / Color / B/W

BLC / HLC / WDR(120dB)

Off / On (4 Zone, Rectangle)

Auto/Manual

Off / On (4 Zone)

0°/90°/180°/270°

3D DNR

N/A

N/A

16x

Off / On

Support

Auto/Natural/Street Lamp/Outdoor/Manual

Planet Communications Asia PLC.

Day/Night

BLC Mode

White Balance

Gain Control

Noise Reduction

Motion Detetion

Region of Interest

Smart IR

Digital Zoom

Privacy Masking

Defog

Flip

Mirror

Electronic Image Stabilization (EIS)

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