D-Link

Product Highlights

Clarity with Built-in Audio

2 MP 1/3" CMOS with up to 1080p at 25 fps and a built-in microphone for scene audio.

Built-in microSD Slot

The microSD slot supports up to 1 TB of storage capacity, allowing local recording and network disconnection recovery when used with an NVR.

Rugged and Ready for Outdoors

Weather and impact protection rated IP66 and IK10, operating from -25°C to 55°C, with 12VDC or PoE for easy installs.

BCD-P01

2 Megapixel H.265 Outdoor Dome Camera

Key Features

Image and Optics

Features a large-aperture lens and supports smart image tools, including DWDR, 3D NR, BLC, and HLC.

Smart IR Illumination

IR light up to 30 meter and automatically adjusts the IR intensity based on the object's distance to prevent image overexposure.
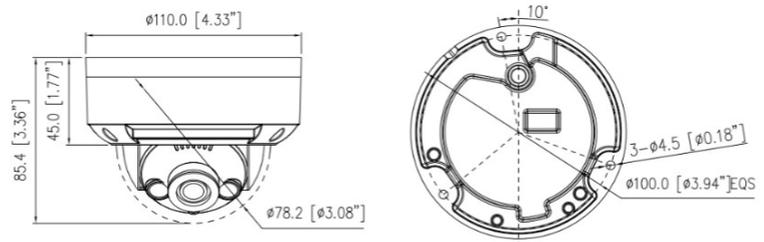
Human Detection

Identifies moving human targets and filters non-human motion to improve alarm accuracy; supports Smart Motion Detection (human) event reporting.

Connectivity and Durability

ONVIF Profiles S/T, power via 12 VDC or PoE; IP66 and IK10 enclosure for challenging environments.

The BCD-P01 2 Megapixel H.265 Outdoor Dome Camera is designed for small-to-medium-sized sites, delivering real-time 1080P video streaming with a built-in microphone. Featuring IP66 and IK10 protection, it offers comprehensive durability—providing waterproof, dustproof, and explosion-resistant performance for reliable outdoor use. Human Detection keeps alerts accurate by filtering out non-human motion, while ROI, DWDR, 3D NR, BLC, and HLC technologies enhance recording efficiency and image clarity. With support for ONVIF Profiles S/T, IPv4/IPv6, and flexible power options via 12 VDC or PoE, installation is simple and dependable.

Technical Specifications

Camera

Camera Hardware Profile	• 1/3" 2-megapixel progressive CMOS sensor
	• Illuminator:
	  • LED Number 2 (IR LED)
	  • IR Illumination Distance: up to 30 meters
	• Minimum illumination:
	  • Color: 0.05 lux @(F2.0, AGC ON)
	  • B/W: 0 lux with light
	• Built-in Infrared-Cut Removable (ICR) Filter
	• Minimum object distance 1 m
		• Focal length: 2.8 mm
		• Aperture: F2.0
		• Angle of view:
		  • (H) 93.1°
		  • (V) 52.2°
		• 3-axis adjustment angle (non-motorized):
		  • Pan: 0° - 355°
		  • Tilt: 0° - 75°
		  • Rotate: 0° - 350°

Audio	Built-in mic	
Camera Housing	• IP66 certified weatherproof housing	• Supports IK10 standard

Image Features	• Configurable image size/quality/
	  frame rate/bit rate
	• Time stamp and text overlays
	• Configurable shutter speed/brightness/
	  saturation/contrast/sharpness/3D filter
	• Configurable motion detection area
	• Configurable privacy mask zones
		• Auto White Balance (AWB)
		• Auto Gain Control (AGC)
		• Wide Dynamic Range (WDR)
		• Highlight Compensation (HLC)
		• Back Light Compensation (BLC)
		• Defog
		• Corridor mode

Video Compression	H.265/H.264/MJPEG	
Max. Resolution and Frame Rate	• Stream 1: 1920 x 1080, 1280 x 720 @ 25/30 fps • Stream 2: D1, VGA, CIF @ 25/30 fps	• Stream 3: VGA, CIF, QVGA @ 25/30 fps
External Device Interfaces	• Reset button • microSD card slot (up to 1 TB)	• 10/100 Base-TX Fast Ethernet port (supports 802.3af PoE Class 3)

Network

Max. Concurrent Streams	3 streams	
Network Protocols	• IPv4/IPv6 • HTTP/HTTPS • RTSP/RTP/RTCP • TCP/UDP • DHCP • DNS • DDNS • UPnP • PPPoE	• NTP • FTP • SMTP Client • 802.1x • SNMP • ONVIF Profile S/T compliant • ICMP • IGMP

System Management

Event Detection	• Motion detection • Smart Motion - Person/vehicle detection • Single Line-crossing detection • Double Line-crossing detection • Multi-Loitering detection • Wrong-way detection • Illegal parking detection • People counting
Event Management	• Multiple event notifications • Event notification and alarm record, FTP upload, SMTP upload • Video recording via D-Link NVR or ONVIF-compliant NAS
Remote Management/Software	• Remotely take snapshots/video clips and save to a local hard drive • Configuration interface accessible via a web browser
Requirements for Web Interface	• Chrome • Edge

General	
Weight	405 g ± 5%
Power Supply	12 VDC/PoE (802.3af)
Max. Power Consumption	• 3.5W ± 5% (12 VDC) • 4.4W ± 5% (PoE)
Operating Temperature	-25 to 55 ˚C (-13 to 131 °F)
Storage Temperature	-25 to 55 ˚C (-13 to 131 °F)
Operating/Storage Humidity	Less than 90% RH (non-condensing)
Dimensions	Ø 110 x 85.4 mm (Ø 4.33 x 3.36 in)
Certifications	CE-EMC, EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4, FCC 47 CFR Part 15 Subpart B
Order Information	
BCD-P01	2 Megapixel H.265 Outdoor Dome Camera (HW version: A1)

Actual performances may vary due to settings, cabling, temperature, network configuration, interface, device compatibility, environmental and on-site conditions, and other similar factors. References to power capability, signal or processing speed, signal range or distance, data encryption, storage capacity, display properties, or other performance metrics are based on optimal conditions derived from industry standards and provided for informational purposes only. Specifications may be subject to change without prior notice.

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