



180 CAM HD
DSH-C310



180° Field of View

180-degree wide-angle lens gives you a complete picture



Local Storage

Record video clips and images to a microSD card for backup



Two-Way Audio

Built-in microphone and speaker for two-way audio communication



1080p Full HD

Full HD 1920 x 1080 resolution for detailed video



Motion Detection

Motion detection feature automatically captures events and sends alerts



Night Vision

IR LEDs lets you see up to 5m (16 ft.) in complete darkness



Download on the
App Store



Works with
Apple HomeKit

View live video, receive motion detection notifications, playback recorded videos, and more. Download the free Omna app for iPhone, iPad, and iPod Touch from the App Store.¹

D-Link®
Building Networks for People

A NEW PERSPECTIVE

The Omna 180 Cam HD is D-Link's first HomeKit-enabled camera and combines the company's long history of producing award-winning network surveillance devices with the Apple HomeKit ecosystem. The DSH-C310's elegant, stylish design fits effortlessly into the modern home, while still packing a full suite of high-end features including a 180-degree wide-angle lens, Full HD 1080p resolution, two-way audio, night vision, and a microSD card slot.

Simply place the camera against a wall and the 180-degree wide-angle lens can capture the entire room on its own. Full HD 1080p resolution allows users to see every little detail. Infra-red (IR) LEDs are hidden behind the black bands on either side of the lens, and are only visible when the camera is operating in dark environments. To meet today's on-the-go lifestyle, the Omna 180 Cam HD can be used directly from your iPhone®, iPad®, or iPod® touch, or use the free Omna app for more control and advanced settings—so you can rest assured knowing you'll receive instant notifications no matter where you are.³



Technical Specifications

Camera

| | | |
|---------------------------|---|---|
| Camera Hardware Profile | <ul style="list-style-type: none"> • 1/3" 3 Megapixel progressive CMOS sensor • 5-meter IR illumination distance • Minimum illumination: <ul style="list-style-type: none"> • 0.3 lux (IR off; color mode) • 0 lux (IR on; B/W mode) • Built-in Infrared-Cut Removable (ICR) Filter module | <ul style="list-style-type: none"> • Aperture: F2.0 • Angle of view: <ul style="list-style-type: none"> • (H) 180° • (V) 66° • (D) 180° |
| Camera Housing | <ul style="list-style-type: none"> • Aluminum housing | |
| LED Indicators | <ul style="list-style-type: none"> • Power/Status LED | |
| Image Features | <ul style="list-style-type: none"> • Automatic image size and quality adjustment based on network quality² • Configurable motion detection windows | <ul style="list-style-type: none"> • Pre-event recording |
| Video Compression | <ul style="list-style-type: none"> • Simultaneous H.264/MJPEG format compression | <ul style="list-style-type: none"> • H.264 SRTP streaming |
| Video Resolution | <ul style="list-style-type: none"> • 16:9 at 1920 x 1080, 1280 x 720, 640 x 360 up to 30 fps | |
| Audio Support | <ul style="list-style-type: none"> • AAC | |
| External Device Interface | <ul style="list-style-type: none"> • Built-in microphone/speaker (5-meter range) | <ul style="list-style-type: none"> • microSD card slot (SDHC Class 10 is recommended⁴) |

Network

| | | |
|-------------------|--|--|
| Network Protocols | <ul style="list-style-type: none"> • IPv6 • IPv4 • ARP • TCP/IP • UDP • ICMP | <ul style="list-style-type: none"> • DHCP client • NTP client (D-Link) • DNS client • Bonjour • HTTPS configuration |
| Wireless Security | <ul style="list-style-type: none"> • WPA/WPA2-PSK | |

System Management

| | | |
|------------------|--|--|
| Event Management | <ul style="list-style-type: none"> • Motion detection | <ul style="list-style-type: none"> • Event notification |
|------------------|--|--|

General

| | | |
|------------------------|---|---|
| Weight | <ul style="list-style-type: none"> • 232 grams (8.18 ounces) | |
| Dimensions (L x W x H) | <ul style="list-style-type: none"> • 58 x 58 x 132.2 mm (2.28 x 2.28 x 5.21 inches) | |
| External Power Adapter | <ul style="list-style-type: none"> • Input: 100 to 240 V AC, 50/60 Hz | <ul style="list-style-type: none"> • Output: 5 V DC, 2 A |
| Temperature | <ul style="list-style-type: none"> • Operating: 0 to 40 °C (32 to 104 °F) | <ul style="list-style-type: none"> • Storage: -20 to 70° C (-4° to 158° F) |
| Humidity | <ul style="list-style-type: none"> • Operating: 20% to 80% non-condensing | <ul style="list-style-type: none"> • Storage: 5% to 95% non-condensing |
| Certifications | <ul style="list-style-type: none"> • CE • CE LVD • ICES • SRRC • TRA | <ul style="list-style-type: none"> • VCCI • FCC • NCC • KCC • C-Tick |

Order Information

| <i>Part Number</i> | <i>Description</i> |
|--------------------|--------------------|
| DSH-C310 | 180 Cam HD |

¹ To control this HomeKit-enabled accessory automatically and away from home, an Apple TV with tvOS 10.1 or later or an iPad with iOS 10.1 or later and an iPhone or iPad with iOS 10.1 or later is recommended.

² The resolution and frame rate will be adjusted automatically based on network quality. The quality of HD streaming is dependent on network bandwidth.

³ Notification transmission may be dependent on network stability and other extraneous factors.

⁴ A microSD card is not included.

Updated 2017/02/03