



See More With 180°  
Wide-Angle Lens



Sharp Images to  
See Every Detail



Record Clips to a  
microSD Card<sup>1</sup>



Motion Detection  
Alerts and Recording



Two-Way Audio With  
Built-In Mic & Speaker



See Up to 16 Feet  
In The Dark



## DSH-C310 OMNA™ 180 CAM HD

### Features

#### Premium Resolution and Visibility

- Full HD 1080p resolution image quality<sup>1</sup>
- 3 Megapixel progressive CMOS sensor
- See up to 16 feet in complete darkness with built-in IR LEDs
- 180° (D) Field of View for wider camera coverage

#### Audio & Video

- Motion detection with push alert notifications
- microSD card slot to record video clips when motion detection is triggered (microSD card not included)<sup>2</sup>
- Built-in microphone and speaker for crystal clear two-way audio
- Supports H.264/M-JPEG video codecs

#### Ease of Use

- Simple app setup
- Dual-band wireless to ensure optimal Wi-Fi connectivity for streaming and recording

#### Convenient Control

- Omna™ app support<sup>3</sup> for iOS devices with iOS 10.1 or later
- Apple HomeKit™ enabled
- Remote access requires an Apple TV (4th generation or later) or a dedicated iPad connected to your home network, and an iPhone, additional iPad or iPod touch, all with iOS 10.1 or later

### Overview

The Omna™ 180 Cam HD is D-Link's first Apple HomeKit™ enabled camera and combines our long history of producing award-winning IP surveillance devices with the ease of use of Apple's HomeKit™ technology. The DSH-C310's elegant, stylish design fits effortlessly into the modern home, while still packing a full suite of high-end features. The 180° wide-angle lens can capture a whole room using just one camera, and Full HD 1080p resolution with dynamic video streaming allows users to see every little detail in real time! The built-in IR LEDs provide 16 feet of night vision, so you always know what's happening, day or night. The built-in microphone and speaker with echo cancellation ensure crisp and clear two-way audio communication.

### Always Home with Omna™

Omna is derived from the Latin word 'omnis' meaning 'all-encompassing', and with the 180 Cam HD's 180° ultra-wide angle lens, you'll see just about everything, from anywhere. The 180 Cam HD can be used directly from your iPhone, iPad, or iPod touch with the free Omna app to view live and recorded video<sup>4</sup>, configure advanced settings and receive alert notifications no matter where you are<sup>5</sup>. Avoid other costly recording solutions and use the 180 Cam HD's microSD card slot to record motion detection triggered video clips up to 128GB and access them all easily from the free Omna app so you never miss a moment.

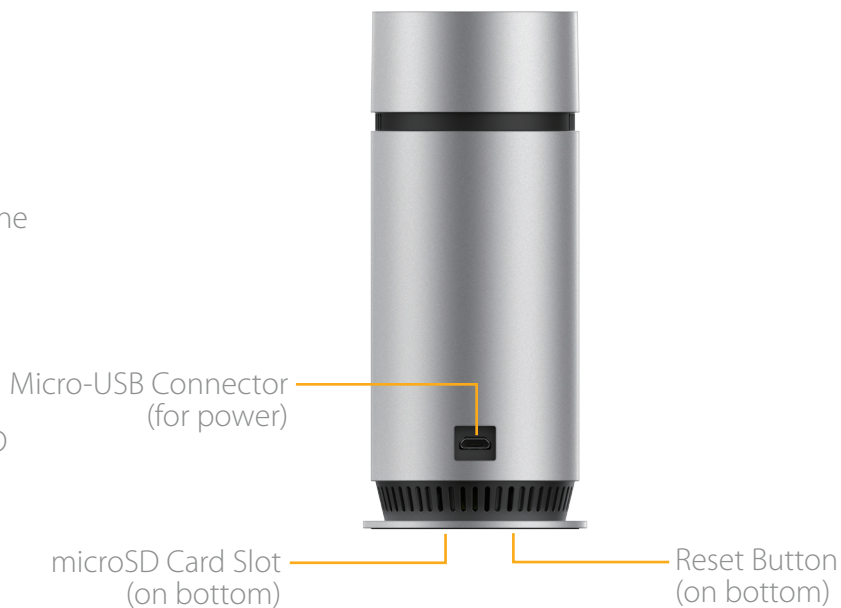
### Apple HomeKit™ Enabled

The first in D-Link's Omna family of HomeKit™ compatible devices, the Omna 180 Cam HD provides an easy way for users to monitor their home for extra peace of mind with their iPhone, iPad or iPod touch. By pairing the DSH-C310 with other HomeKit™ enabled products such as light switches or smart door locks, you can set scenes to control multiple devices with the push of a button or a single voice command. For example, the scene "I'm leaving" can be used to turn off the lights, lock the door and start recording whenever motion is detected while you're away.

Front View



Back View



See 50% More with the Ultra-Wide 180° Lens



## Technical Specifications

### Camera

|                           |   |   |
|---------------------------|---|---|
| Hardware Profile          | <ul style="list-style-type: none"> <li>• 1/3" 3 megapixel progressive CMOS sensor</li> <li>• 16 feet IR illumination distance</li> <li>• Minimum illumination: 0.3 lux with IR LEDs on</li> <li>• Built-In Infrared-Cut Removable (ICR) Filter module</li> <li>• Focal length: 1.72 mm</li> <li>• Aperture: F2</li> </ul> | <ul style="list-style-type: none"> <li>• Angle of view (16:9): <ul style="list-style-type: none"> <li>• (H) 180°</li> <li>• (V) 66°</li> <li>• (D) 180°</li> </ul> </li> <li>• Built-in microphone &amp; speaker</li> <li>• Aluminum housing</li> </ul> |
| Image Features            | <ul style="list-style-type: none"> <li>• Image size and quality automatically adjusted based on network connection<sup>1</sup></li> </ul>   | <ul style="list-style-type: none"> <li>• Configurable motion detection windows</li> </ul>   |
| Video Compression         | <ul style="list-style-type: none"> <li>• Simultaneous H.264/M-JPEG format compression</li> </ul>  | <ul style="list-style-type: none"> <li>• H.264 SRTP streaming</li> </ul>  |
| Video Resolution          | <ul style="list-style-type: none"> <li>• 1920 x 1080, 1280 x 720 and 640 x 360 at up to 30 fps</li> </ul>   |   |
| Audio                     | <ul style="list-style-type: none"> <li>• AAC</li> </ul>   |   |
| External Device Interface | <ul style="list-style-type: none"> <li>• Power/Status LED</li> <li>• Reset Button</li> <li>• Micro-USB Power Connector</li> </ul>   | <ul style="list-style-type: none"> <li>• microSD Card Slot</li> <li>• Microphone &amp; Speaker (16 ft. range)</li> </ul>  |

### Network

|                       |  |   |
|-----------------------|--|---|
| Network Protocols     | <ul style="list-style-type: none"> <li>• IPv6, IPv4, ARP, TCP/IP, UDP, ICMP</li> <li>• DHCP Client</li> <li>• NTP Client (D-Link)</li> <li>• DNS Client</li> </ul> | <ul style="list-style-type: none"> <li>• HTTPS (for configuration)</li> <li>• Bonjour</li> <li>• RTP/SRTP/RTCP</li> </ul> |
| Wireless Connectivity | <ul style="list-style-type: none"> <li>• 802.11n/g wireless with WPA/WPA2-PSK encryption</li> </ul>  | <ul style="list-style-type: none"> <li>• Operates on 2.4GHz and 5GHz frequency bands</li> </ul>                           |

### Recording

|                   |  |  |
|-------------------|--|--|
| microSD Card Slot | <ul style="list-style-type: none"> <li>• Supports microSD</li> </ul> | <ul style="list-style-type: none"> <li>• Up to 128 GB</li> </ul> |
|-------------------|--|--|

### System Integration

|                  |  |   |
|------------------|--|---|
| Event Management | <ul style="list-style-type: none"> <li>• Event notification</li> </ul> | <ul style="list-style-type: none"> <li>• Configurable motion detection windows</li> </ul> |
|------------------|--|---|

### Access

|                             |  |   |
|-----------------------------|--|---|
| Mobile Support Requirements | <ul style="list-style-type: none"> <li>• Omna app for iOS devices to view live &amp; recorded video, and configure advance settings</li> <li>• Check device app store for OS requirements</li> </ul>     | <ul style="list-style-type: none"> <li>• Apple HomeKit app for iOS devices to view live video and enabled voice controls</li> <li>• Check device app store for OS requirements</li> </ul> |
| Remote Access Requirements  | <ul style="list-style-type: none"> <li>• Remote access requires an Apple TV (4th generation or later) with Apple TV software 10.1 or later, or an iPad with iOS 10.1 or later to act as a hub</li> </ul> | <ul style="list-style-type: none"> <li>• If using iPad as a hub, it must be connected to the same network as the camera at time of access</li> </ul>                                      |

### General

|                        |  |  |
|------------------------|--|--|
| Weight                 | <ul style="list-style-type: none"> <li>• 0.51 lbs</li> </ul>                             |  |
| Dimensions (L x W x H) | <ul style="list-style-type: none"> <li>• 2.28 x 2.08 x 5.21 inches</li> </ul>            |  |
| Power                  | <ul style="list-style-type: none"> <li>• Input: 100 to 240 V AC, 50/60 Hz</li> </ul>     | <ul style="list-style-type: none"> <li>• Output: 5 V DC 2A</li> </ul>                    |
| Temperature            | <ul style="list-style-type: none"> <li>• Operating: 32 to 104 °F (0 to 40 °C)</li> </ul> | <ul style="list-style-type: none"> <li>• Storage: -4 to 158 °F (-20 to 70 °C)</li> </ul> |
| Humidity               | <ul style="list-style-type: none"> <li>• Operating: 20% to 80% non-condensing</li> </ul> | <ul style="list-style-type: none"> <li>• Storage: 5% to 95% non-condensing</li> </ul>    |

|                   |  |  |
|-------------------|--|--|
| Certifications    | <ul style="list-style-type: none"> <li>• CE</li> <li>• CE LVD</li> </ul>                                     | <ul style="list-style-type: none"> <li>• FCC</li> <li>• ICES</li> </ul>  |
| Package Contents  | <ul style="list-style-type: none"> <li>• 180 Cam HD (DSH-C310)</li> <li>• Micro-USB power adapter</li> </ul> | <ul style="list-style-type: none"> <li>• Quick install guide</li> </ul>  |
| Warranty          | <ul style="list-style-type: none"> <li>• 1 Year Limited</li> </ul>   | <ul style="list-style-type: none"> <li>• For warranty and regulatory information please visit <a href="http://support.dlink.com/warranty">http://support.dlink.com/warranty</a></li> </ul> |
| Order Information |  |  |
| Part Number       | Description  |  |
| DSH-C310          | Omna 180 Cam HD  |  |

<sup>1</sup>The resolution and frame rate will automatically adjust based on network quality. The quality of HD streaming is dependent on network bandwidth.

<sup>2</sup>A microSD Class 6 card or above is recommended (not included). Supports card capacities up to 128GB.

<sup>3</sup>The DSH-C310 is not supported by the mydlink Lite, Home or Plus app and is not compatible with D-Link's Connected Home Series.

<sup>4</sup>Use of audio or video equipment for recording the image or audio of a person without their knowledge and consent is prohibited in certain states or jurisdictions. The end-user assumes all liability for compliance with applicable state, local and federal laws.

<sup>5</sup>To control the DSH-C310 remotely, an Apple TV with tvOS 10.1 or later or an iPad with iOS 10.1 or later is required to act as a hub.

### For more information

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