DATASHEET





UniFi® G3
Video Camera

High-Definition IP Surveillance Cameras

Models: UVC-G3, UVC-G3-DOME

Scalable Day and Night Surveillance

Advanced Hardware and Optics for 1080p Full HD Video

Powerful Features and Analytic Capabilities

UBIQUITI®
NETWORKS

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UniFi® G3 Video Camera

The UniFi® Video Cameras G3 and G3 Dome represent the next generation of cameras designed for use in the UniFi Video surveillance management system. These cameras offer 1080p Full HD resolution for day or night use and are integrated with the UniFi Video software for powerful and flexible, integrated IP video management.



Cameras

UniFi® G3 Video Camera

Model: UVC-G3



The UniFi Video Camera G3 features clear 1080p video resolution. The new ball joint mount design offers flexible 3-axis adjustment and can be mounted indoors or outdoors. The camera has infrared LEDs with an automatic IR cut filter for day and night surveillance. Available in a single-pack or 5-pack bundle.

- 1080p Full HD, 30 FPS
- EFL 3.6 mm, ƒ/1.8
- Outdoor Weather Resistant
- 24V Passive PoE
- Built-in Microphone
- Wall, Ceiling, or Pole Mount

UniFi® G3 Video Camera DOME

Model: UVC-G3-DOME



The UniFi Video Camera G3 Dome features a wide-angle lens and 1080p video performance for expanded surveillance coverage. The new surface-mount design provides options for wall or ceiling installations. The infrared LEDs and an automatic IR cut filter provide day and night monitoring. Available in a single-pack or 5-pack bundle.

- 1080p Full HD, 30 FPS
- EFL 2.8 mm, ƒ/2.0
- Wide-Angle Lens
- 802.3af PoE or 24V Passive PoE
- Built-in Microphone
- Wall or Ceiling Mount

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Accessories

IR Range Extender

Model: UVC-G3-LED

The IR Range Extender is an accessory to enhance the night vision range of the UVC-G3 camera.

- Enhances Night Vision Recordings
- Extends IR Range up to 25 m (82 ft)
- Six High-Intensity Infrared LEDs
- Powered and Controlled by the UVC-G3



Dedicated Hardware NVR with UniFi Video software

Model: UVC-NVR

The UniFi NVR is a plug-and-play NVR appliance with low power consumption. The UniFi Video software is pre-installed for plug and play deployment. No additional software is required. Plug it into the network, go through the configuration wizard, and it is set up and ready to go.

The UniFi NVR has a built-in 500 GB hard drive. This equates to approximately 1200 recording hours at 480p resolution or 400 recording hours at 720p resolution (numbers can vary depending on the frame rate).



UniFi® | SWITCH

Managed Gigabit PoE Switch

Models: US-24-250W, US-24-500W, US-48-500W, US-48-750W

Connect and power all of your UniFi Video Cameras with a UniFi Switch. The UniFi Switch is a reliable enterprise switch featuring configurable passive 24V PoE or 802.3af/at PoE+.

- Up to 48 Ethernet Ports
- Up to 10G SFP+ Connectivity
- Non-Blocking Line Rate Performance
- Enterprise-Class Reliability



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UniFi VIDEO

Software

The UniFi Video software is pre-installed on the UniFi NVR for quick and easy deployment. The UniFi Video software can also be downloaded and installed on a Windows/Linux system.

Features

Feature-Packed User Interface Accessible from a web browser, the UniFi Video interface was designed to be easy to use yet packed with advanced features. The UniFi Video interface is incredibly intuitive and loaded with powerful features such as detailed statistical reporting, multiple views, versatile camera settings, advanced analytics, and customizable event recordings.

Plug and Play Installation Automatic camera detection in the UniFi Video software makes it easy to install and deploy cameras. UniFi Video Camera settings are integrated into the UniFI Video software. Configure camera settings, reboot the camera, or upgrade the firmware from the UniFI Video interface.

Camera-Based Motion Detection The UniFi Video cameras handle motion detection instead of the server, relieving the workload on the server and ensuring that compression and noise won't affect motion detection.

Additional Live Views Playlists can be created with a configurable live camera feed rotation. Define the cameras you want included in the playlist and how long you want them to appear on the screen before moving on to the next live feed.

Disk Management Features UniFi Video has automatic recording management to free up disk space. User-definable disk space and date-based auto purge allow users to keep a set amount of free disk space or automatically delete recordings after a certain number of days. Another storage feature is the ability to map external USB or network storage drives.

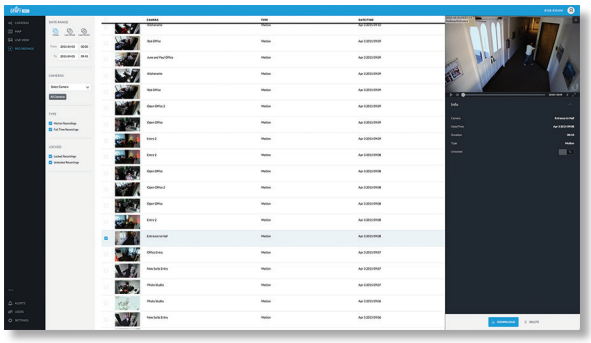
Cost-Effective Solution Shattering conventional industry thinking, Ubiquiti offers UniFi Video's powerful IP surveillance software at no additional cost. No huge upfront costs, no monthly subscription fees.

Mobile App UniFi Video may be accessed from iOS and Android™ using the *UniFi Video* mobile app.

UniFi VIDEO

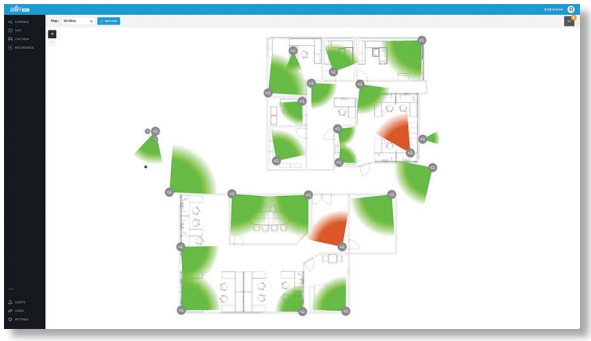
Download on the App Store

ANDROID APP ON Google Play



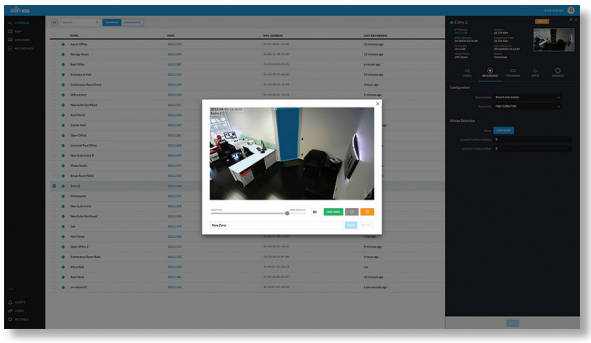
Event Recordings

UniFi Video software provides a variety of options and settings to customize what your cameras record.



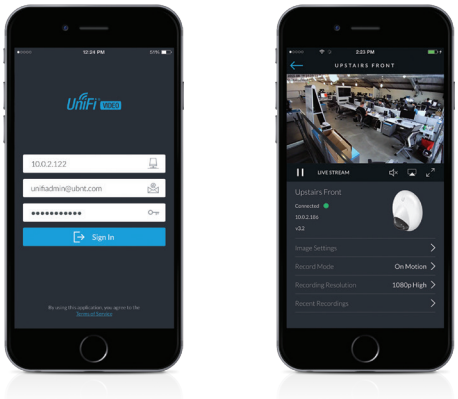
Maps

Upload a map of your location(s) or use Google Maps to represent the areas where your cameras are located.



Powerful Analytic Capabilities

Customize your own motion detection zones. You can place several zones and set their alarm sensitivity levels as high or low as the situation demands.



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UniFi® G3
Video Camera



Specifications

UVC-G3	
Dimensions	Ø 75 x 140 mm (2.95 x 5.51")
Weight	300 g (10.58 oz)
Enclosure	Injection-Molded Polycarbonate and Die-Cast Aluminum
Networking Interface	(1) 10/100 Ethernet Port
Sensor	1/3" 4-Megapixel HDR Sensor
Lens	EFL 3.6 mm, F1.8
Night Mode	IR LEDs with Mechanical IR Cut Filter
Microphone	Yes
Button	Factory Reset Button
Power Method	24V Passive PoE
Power Supply	24V, 0.5A PoE Adapter (Included with Single-Pack)
Maximum Power Consumption	4W
Mounting	Wall/Ceiling/Pole
Operating Temperature	-30 to 70° C (-22 to 158° F)
Operating Humidity	20 - 90% Noncondensing

Video	
Video Compression	H.264
Resolution	1080p Full HD (1920x1080)
Maximum Frame Rate	30 FPS
Image Settings	Brightness, Contrast, Sharpness, Saturation, Noise Reduction, 50/60 Hz

General	
Processor	Ambarella S2L
Memory	512 MB DDR3L
Viewing Angle Before Lens Correction After Lens Correction	 85° (H), 44.8° (V), 98.1° (D) 72° (H), 42.9° (V), 80.4° (D)
Supported UniFi Video Version	UniFi Video 3.2 (or Newer)
UniFi Video System Requirements	64-bit Microsoft Windows 10/8/7, Ubuntu 12.04 or 14.04, or Debian 7.0 System with an Intel or Compatible 1.86 GHz (or Above) Processor and a Minimum of 2 GB RAM.

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UniFi® G3 Video Camera DOME



Specifications

UVC-G3-DOME	
Dimensions	Ø 132 x 60 mm (Ø 5.20 x 2.36")
Weight	260 g (9.17 oz)
Networking Interface	(1) 10/100 Ethernet Port
Sensor	1/3" 4-Megapixel HDR Sensor
Lens	EFL 2.8 mm, F2.0
Night Mode	IR LEDs with Mechanical IR Cut Filter
Microphone	Yes
Button	Factory Reset Button
Power Method	802.3af PoE or 24V Passive PoE
Power Supply	802.3af PoE Switch or 24V, 0.5A PoE Adapter (Included with Single-Pack)
Maximum Power Consumption	4W
Mounting	Wall/Ceiling
Operating Temperature	-30 to 70° C (-22 to 158° F)
Operating Humidity	20 - 90% Noncondensing

Video	
Video Compression	H.264
Resolution	1080p Full HD (1920x1080)
Maximum Frame Rate	30 FPS
Image Settings	Brightness, Contrast, Sharpness, Saturation, Noise Reduction, 50/60 Hz

General	
Processor	Ambarella S2L
Memory	512 MB DDR3L
Viewing Angle Before Lens Correction After Lens Correction	 100.4° (H), 59.1° (V), 117.3° (D) 87.8° (H), 55.4° (V), 96.4° (D)
Supported UniFi Video Version	UniFi Video 3.2 (or Newer)
UniFi Video System Requirements	64-bit Microsoft Windows 10/8/7, Ubuntu 12.04 or 14.04, or Debian 7.0 System with an Intel or Compatible 1.86 GHz (or Above) Processor and a Minimum of 2 GB RAM.

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UniFi® Video Camera NVR



Specifications

UVC-NVR	
Dimensions	135 x 190 x 25 mm (5.31 x 7.48 x 0.98")
Weight	483 g (17 oz)
Processor	Intel D2550
Memory	4 GB
Hard Drive Capacity	500 GB
Ports	(1) 10/100/1000 Ethernet Port
Power Supply	65 W, 19V, 3.42A
Certifications	CE, FCC, IC

UniFi Video Software Specifications	
Software	Browser-Based Interface, Tablets, and Smartphones Supported
System Setup	Plug-and-Play Installation, Automatic Camera Detection
NVR Camera Support	Recommended for up to 20 UniFi Video Cameras, Supports up to 50 Cameras
Supported Devices	Operating Systems: Windows, Apple, and Linux Browsers: Chrome, Firefox, MS Edge/Internet Explorer 10 (or newer), and Safari Smartphones: iPhone and Android
Media Format	MP4 (H.264/AAC)
Scheduling	Day/Time/Camera Scheduled Video Recording/Motion Detection/Email Alerts
Views	Custom Views of Multiple Cameras Full Screen Capability

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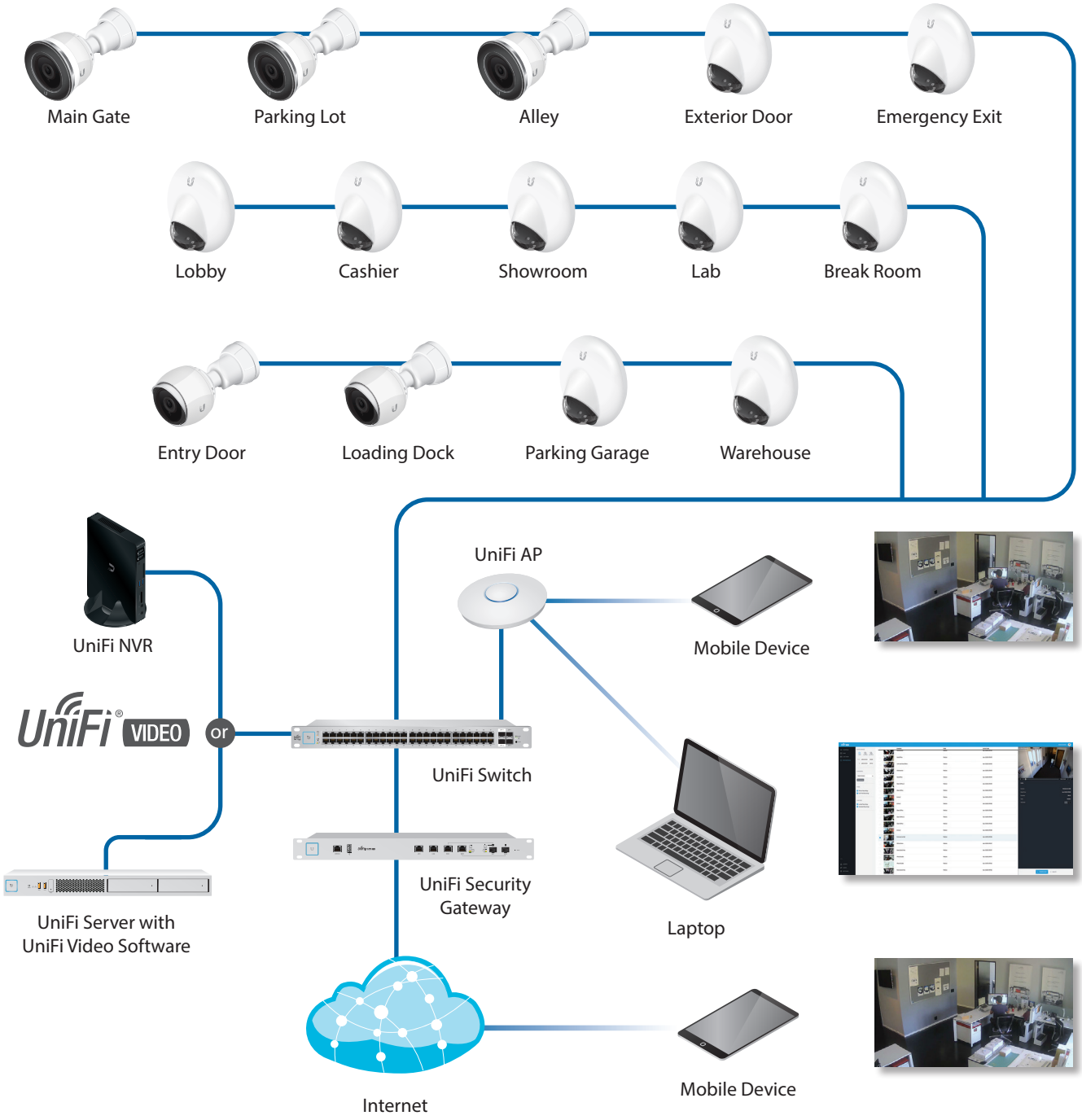
UniFi VIDEO

System Example




UVC-G3


UVC-G3 + UVC-G3-LED


UVC-G3-DOME

1080p Full HD

NIGHT VISION

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UniFi Switch Compatibility

The UniFi Video Camera G3 and G3 Dome are compatible with the UniFi Switches listed below.

Camera Model	US-8	US-8-60W	US-8-150W	US-16-150W	US-24-250W	US-24-500W	US-48-500W	US-48-750W
UVC-G3								
UVC-G3-DOME	✓	✓	✓	✓	✓	✓	✓	✓

✓ Compatible with the UniFi switch

Requires Instant 802.3af Gigabit PoE Converter: INS-3AF-I-G or INS-3AF-O-G

Related Product Datasheets



UniFi Switch 8, UniFi Switch 8-60W:

dl.ubnt.com/datasheets/unifi/UniFi_Switch_8_DS.pdf



UniFi PoE Switches:

ubnt.com/datasheets/unifi/UniFi_PoE_Switch.pdf



Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: www.ubnt.com/support/warranty
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