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## What are the internet service and bandwidth requirements for Alarm.com video devices?

Internet service and bandwidth requirements vary based on video device model, video device audio integration, and whether or not a Stream Video Recorder (SVR) is in use.

### Compatible Internet connection types

Because Alarm.com video devices need an indefinite, always-on internet connection, we require a Cable, Fiber, or DSL internet connection. At this time, we do not support cameras connected to Satellite and 3G/4G internet connections.

It is recommended that video devices are connected to a network device that has a unique SSID and password.

**Note:** The instructions for segregating wireless bands differ based on router model. Please refer to the manufacturer's guide for more information.

### Recommended bandwidth

Alarm.com video devices consume bandwidth when they are uploading recorded video clips, or someone is actively looking at live video or SVR recorded footage. Even when in use, the video device cannot consume all available bandwidth because routers allocate bandwidth fairly among all the devices that are on the network (e.g. computers, tablets, etc.).

Alarm.com video devices primarily use upload speed, as opposed to download speed. Typically, Alarm.com recommends an indefinite broadband connection of at least 0.25 Mbps of dedicated upload speed per video device. For example, four video devices would need 1 Mbps of dedicated upload speed to function properly.

The '22 series video cameras have been tested to require the following bandwidth:

- Standard Resolution & Quality: Minimum 1.5 Mbps
- Reduced Resolution & Quality: Minimum 500 Kbps

However, Alarm.com Doorbell Cameras, camera audio, and/or SVR integration may require additional bandwidth. For more information about Alarm.com Doorbell Camera network requirements, see [What are the network requirements of the Alarm.com Doorbell Cameras?](#)

**Note:** Dedicated upload speed refers to bandwidth only used by the video devices, so other connected devices (e.g. computers, smartphones, gaming consoles, etc.) require additional bandwidth on the internet connection.



## Additional information

To determine how many video devices an internet connection can support, perform a web-based speed test. For more information about performing an Internet speed test, see [Perform an Internet speed test](#).

For more model-specific information, see [Video Devices](#).

