



Technology Overview

Your students are bringing more and more connected devices to campus every year. Philo Edu allows you to provide a complete TV experience on any of the following devices.



Televisions

Roku 4.7+
Roku App or TV



Computers

Mac OS X 10.8+
Chrome or Firefox

Windows 7+
Chrome or Firefox



Connected Devices

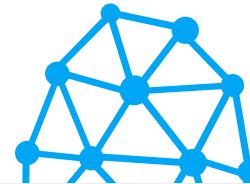
iOS 6+
iPod, iPhone, iPad

Android 4.4+
Phones & Tablets

Low Network Impact

Philo Edu stays within your private network.

Services like Netflix, Hulu, and YouTube use your external bandwidth to stream content from the public internet. Unlike those services, Philo Edu lives inside your local area network. This allows you to deliver high-quality content to students without consuming external bandwidth.



MINIMAL USE OF
DOWNSTREAM TRAFFIC

Adaptive Bitrate

ABR maximizes the efficiency of your network.

Bitrate	Video Quality	Equivalent
2 Mbps	720p	HD
1 Mbps	480p	DVD

Philo Edu uses adaptive bitrate technology (ABR) to ensure viewers get a smooth video stream without overburdening your campus network. Philo Edu media servers offer each channel in various bitrates, allowing the Philo Edu player to pick the appropriate one based on device and network availability.

Digital Rights Management

Your content is always streamed securely within your network.

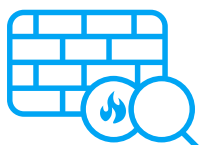
Philo Edu encoding servers apply DRM encryption that protects your content as it's distributed across your network. Video content is encrypted and is protected by either Microsoft's PlayReady or Google's Widevine DRM.



PlayReady

WideVine

ALL CONTENT STAYS WITHIN
YOUR DATA NETWORK



Firewall Protection

Only selected students have access to Philo Edu.

Philo Edu media servers implement a firewall that restricts content access to devices within the allowed regions of the university network.