



## **Newrow Smart System Requirements**

In order to ensure a high-quality experience, your computer/phone/tablet and internet connection speed should meet the following recommended system requirements.

### **Overview**

Internet connection - broadband wired or wireless (3G or 4G/LTE)

Speakers and microphone\* – built-in, USB plug-in, or wireless Bluetooth

Webcam\* - built-in, USB plug-in

### **Microsoft Windows**

To use the Newrow Smart web platform, you will need:

- Windows 10, **or** Windows 8 or 8.1 **or** Windows 7
- Chrome, **or** Firefox, **or** Edge Chromium, **or** IE11 (with client)
- Computer or laptop with Intel Pentium 4 processor or later that is SSE2 capable and 512 MB of RAM, or a Surface PRO 2 or Surface PRO 3

### **Mac**

To use Newrow Smart on Mac, you will need:

- Mac OS X, **or** macOS 10.9 or later
- Chrome, **or** Firefox, **or** Edge Chromium, **or** Safari (coming soon)
- Intel processor 64-bit and 512 MB of RAM

### **Chrome OS**

Newrow Smart works directly through the Chrome browser on laptops and tablets utilizing Chrome OS (Chromebooks).

- Chrome
- 2GB Ram

### **iOS (iPhones and iPads)**

To use Newrow Smart on iPhone, you will need:

- iPhone 5S or later
- Safari
- iOS 11 or later

To use Newrow Smart on iPad, you will need:

iPad Mini 3, iPad Air, iPad Pro, iPad (2017) or later

- Safari
- iOS 11 or later

### **Android (Smartphone and Tablets)**

To use Newrow Smart on Android phones or tablets, you will need:

- Android 4.0 or later
- Chrome

### **Bandwidth Recommendations**

- The bandwidth used by Newrow is optimized to deliver the best experience based on your network:
- Participate with webcam and microphone: 2 Mbps upload, 2 Mbps download
- Participate with microphone: 1.5Mbps upload, 2 Mbps download
- Participate without webcam or microphone: 1 Mbps upload, 2 Mbps download

### **Firewall**

To participate in a Newrow Smart real time session, please ensure that the location you are connecting from allows for the streaming and downloading of real time video.

- UDP
- TCP: 80, 443
- HTTP: 80, 443

### **Cookies**

Cookies must be enabled in order to use the Newrow Smart web platform.

Extensions or browser configurations that block or disable cookies may prevent participants from joining a live session.