



NETWORK REQUIREMENTS

Network status:

- **Preferably use a private network** dedicated to the use of Watchity.
- Use a stable **network without fluctuations** in the bandwidth.

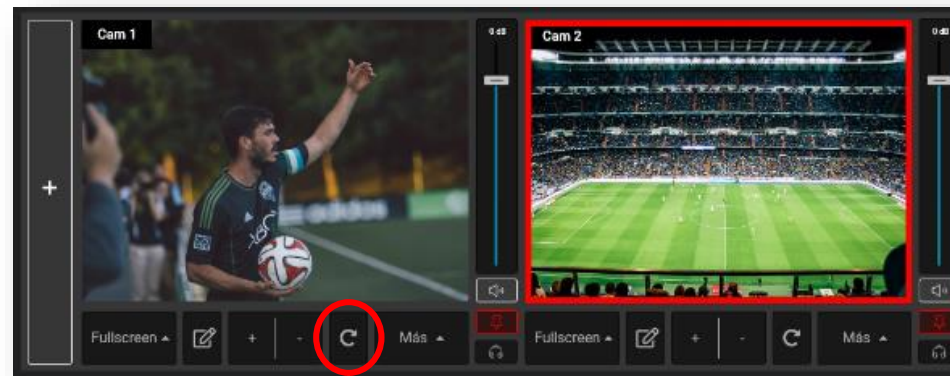
- **Availability (minimum) of 1.5 to 3 Mbps (upload) per capture device.** *For example, to capture 3 mobiles, at least 4.5 Mbps (upload) will be required.*
- **Availability (minimum) of 1.5 to 3 Mbps (download) per capture device and 10 Mbps (download) for the producing device (PC, tablet, etc.).** *For example, for a production with 3 mobiles and 1 PC, 15 Mbps (download) will be required.*

▶ Recommendations and Firewall Configuration:

- In case of connecting a broadcast camera to the network, **it is recommended not to use networks that require entering a user and password in access portals** (or captive pages), since most cameras do not have the ability to open tabs in Internet browsers.
- Ensure that the **1935 output port** and the output ports between the 20,000 and 20,100 range are open (Firewall configuration). See more information about the Firewall configuration by clicking [here](#).

▶ In the situation of an insufficient bandwidth (freezing of the contributions' signal):

- Refresh the browser's tab where the Live Mixer is being operated (*Ctrl + F5*).
- Use the "refresh camera" button in the Live Mixer.
It is not recommended to perform this operation when the contribution is selected.



Refresh camera (not recommended when selected)



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