

PANACAST U30 & PANACAST 40 VBS

Reflection Detection and Screen Detection

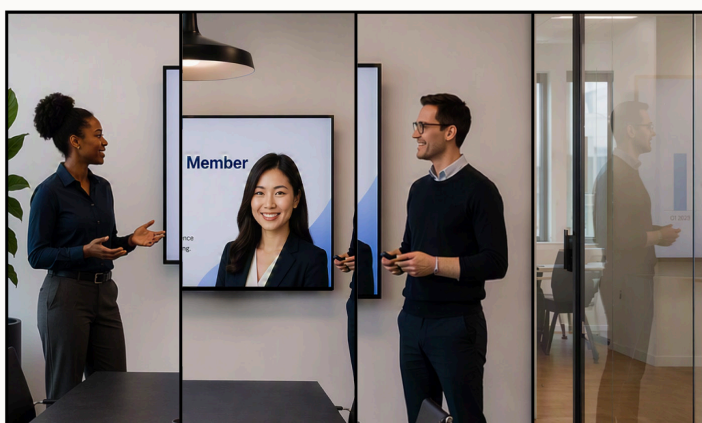


IMPROVING THE VIDEO EXPERIENCE

Meetings rooms come in various configurations that may influence how a certain video feature works. Meeting spaces may contain reflective surfaces such as glass walls or glass whiteboards, or secondary presentation displays that fall within the field of view of the conferencing camera, both shown in the example below.



Oftentimes, these nuances can cause unwanted behaviors. For example, if a conference camera is using certain video modes such as Dynamic Composition, where individuals are shown within their own frame, there may be a possibility of a person's reflection being duplicated into a frame or an image of someone on a secondary display being identified as an in-room participant, both shown in the below image. To improve the video experience, not only can you define room boundaries with Intelligent Meeting Space, but Jabra has additionally launched Reflection Detection and Screen Detection to compliment this feature.



ENABLE VIDEO DETECTION SETTINGS

By default, Reflection Detection and Screen Detection are disabled. To enable the feature, log into the video bar's Web Console or use Jabra Direct or Jabra Plus. In Web Console, on the left-hand navigation menu, select **Video** and click on the **Camera** tab on the top. Scroll down to the bottom to the **Detection Configuration** section and toggle on **Reflection Detection** and/or **Screen Detection**.

With both of these toggled on, here is what Dynamic Composition would look like in the previous example, focusing on just the participants and removing unwanted reflections and displays.



DETECTION CONDITIONS

As many video and audio features depend on certain room conditions such as lighting conditions for some video features or meeting room wall types for audio echo and reverberation, these two AI-powered features also work best under certain conditions.

Reflection Detection works best on glass wall reflections. Reflections coming from other surfaces such as mirrors where the person and mirror reflection look nearly identical may not be able to be differentiated and suppressed in the Reflection Detection feature.

Similarly, to obtain the best results for Screen Detection, all corners of a screen should be visible for the camera to detect it as a screen. If some corners are covered or not visible within the camera's field of view or if bright lights from a window or elsewhere are coming in on one side of a screen, detection accuracy may be reduced.