visibility envelope module may access the image or video data that is stored in memory buffer **304**.

[0041] The memory **302** further includes configuration data **312**. Configuration data **312** includes data relating to processing circuit **300**. For example, configuration data **312** may include information relating to interfacing with an electronic media display. This may include the command set needed to interface with graphic display components, for example a graphics processing unit (GPU). As another example, the configuration data **312** may include information as to how often input should be accepted from sensor **200** and how often the environment should be scanned for intruders or cameras. As another example, configuration data **312** may include data to configure the communication between the various components of processing circuit **300**.

[0042] Memory **302** further includes user interface module **306**. User interface module **306** is configured to receive input data through input **320**. User interface module **306** is further configured to interpret the data for the other modules of processing circuit **300**. For example, user interface module **306** may receive a cancel request, wherein a user requests an end to editing of the content, and user interface module **306** may be configured to receive that request and provide appropriate commands to edit generation module **316** to cease editing. User interface module **306** may also generate a user interface to allow a user to control edit generation module **316**, as well as edit preference data **310**. As another example, the user interface module may receive a request to begin scanning for intruders, and user interface module **306** may be configured to use that request and provide appropriate commands to enable the system.

[0043] Memory **302** further includes modules **308**, **310**, **314**, and **316**, for executing the systems and methods described herein. Modules **308**, **310**, **314**, and **316** are configured to receive image and video data, sensor information, radar information, light detection and range information, infrared information, sonic or ultrasonic information, preference data, and other data as provided by processing circuit **300**. Modules **308**, **310**, **314**, and **316** are configured to analyze the data, optionally generate a visibility envelope, determine viewers and their characteristics (range, location, etc.), determine whether intruders are present within the visibility envelope limits, use the data to determine if cameras are present within the area around the display, and determine whether to edit content on an electronic media display.

[0044] Visibility envelope module **314** is configured to receive range and angle information. The information may be provided by configuration data **312**, or by preference data **310**. Visibility envelope module **314** is configured to interpret the range and angle information and determine a visibility envelope based on the information. The visibility envelope may be a representation of a danger zone of the device. For example, any person(s) within the visibility envelope may be classified as intruders, and may have the potential of being able to resolve content of electronic media display **300**. Visibility envelope module **314** may be enable or disabled depending on the type of scan being performed. For example, when intruding viewers are to be detected, visibility envelope module **314** may be enabled. In another example, when intruding cameras are to be detected, visibility envelope module **314** may be disabled and bypassed. In practice, intruder analysis module **308** may choose to either utilize or not utilize the generated visibility envelope depending on what type of intrusion (e.g., human, camera, etc.) is to be detected. Such a configuration allows for simultaneous detection of human intruders and camera intruders using a single source data set, where one set of constraints (e.g. the visibility envelope) is applied when generating detection information related to human intruders, and another set of constraints (e.g., bypassing visibility the envelope) when generating detection information related to cameras. In one embodiment that is directed solely toward detecting intruding camera, visibility envelope module **314** may be absent from processing circuit **300**.

[0045] In an exemplary embodiment, visibility envelope module **314** receives from configuration data **312** a range R_{m1} and a viewing angle θ_{m1}. Range R_{m1} represents a maximum range over which an electronic media display (e.g. electronic media display **400**) may be viewed such that the electronic media display's contents may be resolved. Viewing angle θ_{m1} represents a maximum angle over which an electronic media display (e.g. electronic media display **400**) may be viewed such that the electronic media display's contents may be resolved. Range R_{m1} and viewing angle θ_{m1} may correspond to the specifications of the electronic media display. Visibility envelope module **314** may provide the visibility envelope information R_{m1} and θ_{m1} to intruder analysis module **308**. While the discussion of the visibility envelope herein is generally in terms of independent bounds on range, R_{m1}, and viewing angle, θ_{m1}, in some embodiments, the visibility envelope can be given by a functional relationship, such as $R_{m1}(\theta_{m1})$, in which the range is a function of the viewing angle, θ_{m1}. For instance, R_{m1} can be larger for $\theta_{m1}=0$, than for $\theta_{m1}=20°$. In some embodiments, the visibility envelope depends on a two dimensional viewing angle (e.g., on azimuth and elevation) relative to the display's axes, not simply on the polar angle from the display's normal vector, θ_{m1}.

[0046] In another exemplary embodiment, visibility envelope module **314** receives from preference data **310** a range R_{m2} and a viewing angle θ_{m2}. The viewing angle R_{m2} represents a maximum range specified by a user for analysis. The viewing angle θ_{m2} represents a maximum angle specified by a user for analysis. For example, a user may not be concerned about any viewers more than a certain angle to the side of his device, and can specify as such in the preferences. As another example, a user may not be concerned about viewers who are greater than a certain distance away from the device, and can specify as such in the preferences. Visibility envelope module **314** may provide the visibility envelope information R_{m2} and θ_{m2} to intruder analysis module **308**.

[0047] In one embodiment, visibility envelope module **314** receives from configuration data **312** a range R_{m3} and a viewing angle θ_{m3}. Range R_{m3} represents a maximum range over which an electronic media display (e.g. electronic media display **400**) may be viewed such that the electronic media display's contents may be resolved. Viewing angle θ_{m3} represents a maximum angle over which an electronic media display (e.g. electronic media display **400**) may be viewed such that the electronic media display's contents may be resolved. Additionally, visibility envelope module **314** receives a brightness level B of the electronic media display's brightness level. Visibility envelope module **314** then adjusts R_{m3} and θ_{m3} according to brightness B. For example, if the electronic media display's brightness is at a maximum level, R_{m3} and θ_{m3} may be increased, and if the electronic media display's brightness is at a minimum level, R_{m3} and θ_{m3} may be decreased. Additionally, visibility envelope module **314** receives a brightness level B_a of the ambient environment's brightness level and/or its polarization. Visibility envelope