

Claims

1. An electronic device configurable for processing source data corresponding to at least one digital image, the electronic device comprising:
 - a processing portion configurable for salient based learning by manner of:
 - receiving and processing source data in a manner so as to produce output signals associable with a portion of the at least one digital image, the portion of the at least one digital image being associable with a region of interest,
 - detecting salient region based on the region of interest corresponding to user preference determined by a user action based manner, wherein the user action based manner comprises one or a combination of time spent viewing, frequency of viewing, and zooming action;
 - determining genre of the detected salient region; and
 - processing the output signals to produce indication signals corresponding to user preferred genre which is based on the determined genre of the detected salient region,
 - wherein the indication signals are communicable for further processing to generate at least one user preferred genre visual output displayable as a background image on a display screen.
2. The electronic device as in claim 1 further comprising:
 - a source portion for communicating source data, the source portion being coupled to the processing portion in a manner such that source data is communicable to the processing portion for processing to produce output signals;
 - a display portion via which display data is displayable as graphic image, the display portion being coupled to the processing portion in a manner so as to receive the output signals,
 - wherein the display portion is configurable to receive and process the output signals in a manner so as to produce display data.
3. The electronic device as in claim 2 further comprising:
 - a control portion coupled to the processing portion, the control portion being configurable to communicate control signals to the processing portion.

4. The electronic device as in claim 3,
 - wherein the graphic image corresponds to a selection list having at least one selection option, the at least one selection option corresponding to the region of interest,
 - wherein the electronic device is operable by a user in a manner such that the at least one selection option is selectable by the user such that the graphic image further corresponds to the at least one digital image,
 - wherein control signals are communicable from the control portion for selecting the at least one selection option.
5. The electronic device as in claim 3,
 - wherein the processing portion is configurable for processing source data via at least one of a first processing scheme and a second processing scheme,
 - wherein the first processing scheme corresponds to processing of source data via automatic detection based processing, and
 - wherein the second processing scheme corresponds to processing of source data via manual detection based processing.
6. The electronic device as in claim 5, wherein in the first processing scheme, the processing portion is associable with at least one of default settings and user preference settings, each of the default settings and user preference settings being indicative of the region of interest such that the processing portion is configurable to produce output signals associable with the region of interest in an automatic manner.
7. The electronic device as in claim 5, wherein in the second processing scheme, control signals are communicable from the control portion in a manner such that a portion of the at least one digital image, corresponding to the region of interest, is manually selected.
8. The electronic device as in claim 5, wherein each of the first and second processing schemes is associable with at least one of:
 - salient region detection and segmentation based techniques; and
 - cropping based techniques.
9. The electronic device as in claim 3,
 - wherein the source data corresponds to a plurality of digital images, and

wherein the processing portion is configurable for receiving and processing the source data in a manner so as to produce output signals associated with a portion of each of the plurality of digital images, each of a portion of each of the plurality of digital images being associable with a region of interest, the output signals being based upon to produce display data displayable as graphic image corresponding to a selection list having a plurality of selection options,

wherein a selection option from the plurality of selection options is associable with a region of interest associable with a digital image from the plurality of digital images.

10. The electronic device as in claim 9, wherein the selection list corresponds to an array of selection options comprising the plurality of selection options.

11. The electronic device as in claim 10, wherein control signals are communicable from the control portion in a manner so as to select a selection option from the selection list such that the graphic image further corresponds to a digital image associable with the selected selection option.

12. The electronic device as in claims 2 to 11, wherein the graphic image is associable with lens blur effect such that the region of interest is visually perceivable to be one of in-focus and out of focus relative to the remaining portions of the at least one digital image.

13. A method for processing source data corresponding to at least one digital image, the method comprising:

processing source data in a manner so as to produce output signals associable with a portion of the at least one digital image, the portion of the at least one digital image being associable with a region of interest;

detecting salient region based on the region of interest corresponding to user preference determined by a user action based manner, wherein the user action based manner comprises one or a combination of time spent viewing, frequency of viewing, and zooming action;

determining genre of the detected salient region;

processing the output signals to produce indication signals corresponding to user preferred genre which is based on the determined genre of the detected salient region; and

communicating the indication signals for further processing to generate at least one user preferred genre visual output displayable as a background image on a display screen.

14. The method as in claim 13,
wherein a processing portion is provided for processing source data,
wherein a source portion is provided for communicating source data, the source portion being coupled to the processing portion in a manner such that source data is communicable to the processing portion for processing to produce output signals,
wherein a display portion is provided for displaying display data as graphic image, the display portion being coupled to the processing portion in a manner so as to receive the output signals, and
wherein the display portion is configurable to receive and process the output signals in a manner so as to produce display data.
15. The method as in claim 13,
wherein source data is processed via at least one of a first processing scheme and a second processing scheme,
wherein the first processing scheme corresponds to processing of source data via automatic detection based processing, and
wherein the second processing scheme corresponds to processing of source data via manual detection based processing.
16. The method as in claim 15, wherein the first processing scheme is associable with at least one of default settings and user preference settings, each of the default settings and user preference settings being indicative of the region of interest for producing output signals associable with the region of interest in an automatic manner.
17. The method as in claim 15,
wherein the second processing scheme is associable with manual selection of a portion of the at least one digital image, and
wherein the manually selected portion of the at least one digital image corresponds to the region of interest.
18. The method as in claim 15, wherein each of the first and second processing schemes is associable with at least one of:
salient region detection and segmentation based techniques; and
cropping based techniques.