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wherein each pixel includes a local processor and a memory that contains a pixel address associated with the pixel.

**39.** A display communications device comprising:

a housing that contains a processor;

means, coupled to the processor, for receiving input radio signals; and

a collapsible display that is mechanically coupled to the housing and electrically coupled to the processor;

wherein the display is collapsible into the interior of the housing has a viewable surface area that is larger than any cross-sectional area taken through the housing, and wherein the processor is adapted to extract display data from the input radio signals, and to provide a representation of the display data to the display;

wherein the display comprises a plurality of self-configurable pixels; and

wherein the pixels are adapted to configure themselves with respect to grayscale and resolution.

**40.** The display communications device of claim **39**, wherein the pixels include groups of sub-pixels, and each sub-pixel includes a number of organic light emitting devices.

**41.** The display communications device of claim **40**, wherein the number of organic light emitting devices that form a sub-pixel depends on grayscale and resolution of the pixel.

**42.** The display communications device of claim **1**, wherein the display comprises a plurality of small molecule OLEDs.

**43.** The display communications device of claim **1**, wherein the display comprises a plurality of polymer OLEDs.

**44.** The display communications device of claim **1**, wherein the display comprises a plurality of stacked organic light emitting devices (SOLEDs).

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**45.** The display communications device of claim **1**, wherein the display comprises a plurality of transparent organic light emitting devices (TOLEDs).

**46.** The display communications device of claim **1**, wherein the OLEDs are integrated with organic photodetectors.

**47.** The display communications device of claim **46**, wherein the OLEDs form bistable pixels.

**48.** The display communications device of claim **1**, further comprising a video imager.

**49.** The display communications device of claim **48**, wherein the display comprises a display border and the video imager is integrated into the display border.

**50.** The display communications device of claim **48**, wherein the display comprises a display screen and the video imager is integrated into the display screen.

**51.** A display communications device comprising:

a housing that contains a processor;

means, coupled to the processor, for receiving input radio signals; and

a flexible, collapsible active matrix display, including a plurality of organic light emitting devices (OLEDs), that is mechanically coupled to the housing and electrically coupled to the processor,

wherein the display is collapsible into the interior of the housing has a viewable surface area that is larger than any cross-sectional area taken through the housing, and wherein the processor is adapted to extract display data from the input radio signals, and to provide a representation of the display data to the display.

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