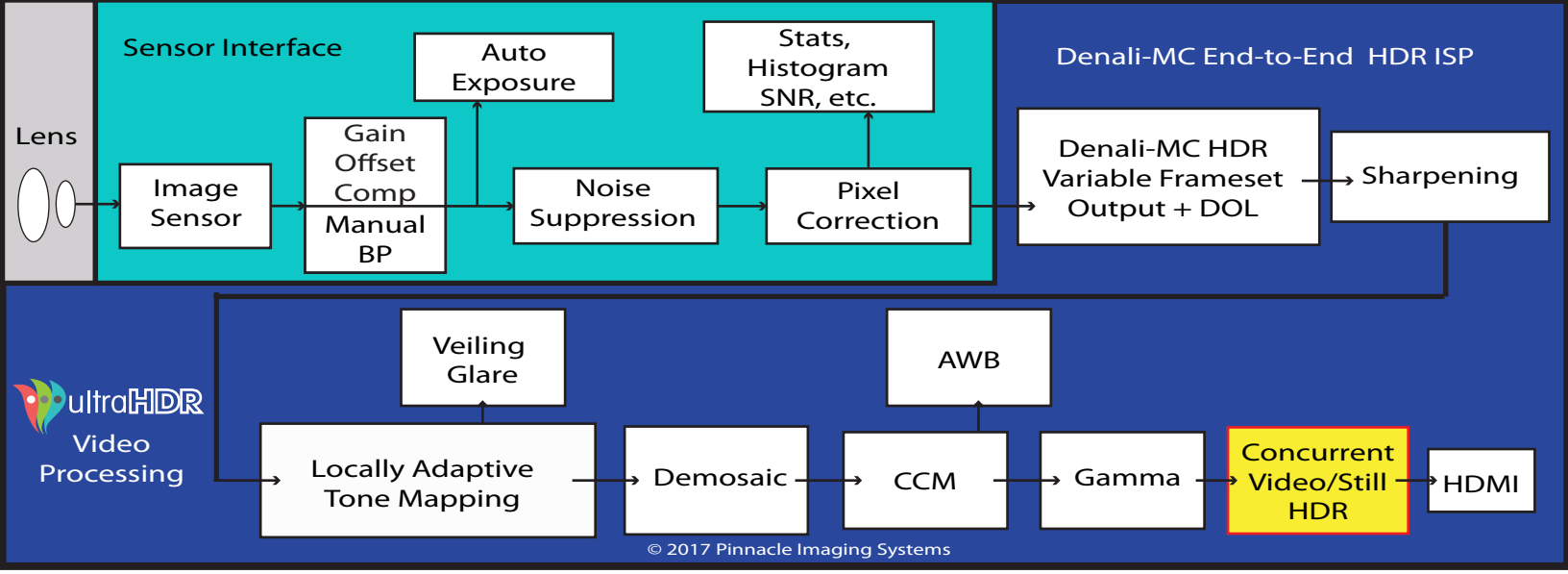

React! For Intelligent Traffic Systems

- **Full resolution HDR video and HDR still concurrant images**
- **User selectable for interval, duration and resolution**
- **No additional frame grabber boards or vision processing boards required saving system cost**
- **Parameters can be pre-selected, then automated in GUI interface**
- **Can be triggered by a preselected traffic event**

React! - is a powerful capture mode within Pinnacle Imaging System's Denali-MC end-to-end HDR intelligent traffic systems ISP platform that has the potential to activated by a pre-selected traffic event such as a collision or recognized animal intrusion, when used with a recognition system.

At the heart of React's! powerful capture IP is the capability to provide a 1080p/60, true 100 dB HDR video stream and without disrupting the stream, React! concurrently produces full resolution, HDR still images that are user selectable for interval, duration and resolution. The parameters can be preselected, then automated into the system.

What is not required with React! are any additional frame grabber boards or additional vision processors. The Denali-MC HDR ISP React! core creates on demand HDR video/still and uses algorithm-based IP to perform a concurrent 1080p full resolution HDR video stream and HDR still image capture using a Xilinx Zynq 7010 FPGA.

Potential Use Application Denali-MC Concurrent HDR Video/Still

React! IP From Pinnacle Imaging Systems

- 1080p / 60 HDR video stream
- 100+ dB range - actual, not theoretical
- MFSO HDR methodology – DOL for HDR video only
- Concurrent HDR still image capture – user selectable for interval, duration and resolution
- Full Resolution capable
- Automated after parameters are set by user
- Does not interrupt HDR video stream
- Sony Starvis, low illumination IMX290LQR, Xilinx Zynq 7000
- Near IR capable with IR LED illumination

Pinnacle Imaging's Custom Solutions Development

Pinnacle Imaging Systems can customize a HDR camera solution for you. Pinnacle's imaging scientists and engineering implimentation teams can produce a customized camera solution utilizing one of the 29 HDR capable sensor types on various logic and compute platforms including FPGA, ASIC, DSP or DSP+SoC or ARM. We also develop custom algorithms for implimentation in camera systems. We're affordable and timely.

Ask for a demo or for more information contact our support team at:

www.ultraHDRvideo.com
Tel: 650-740-1557
or contact: ron@pinnacleimagingsystems.com

Pinnacle IMAGING SYSTEMS