



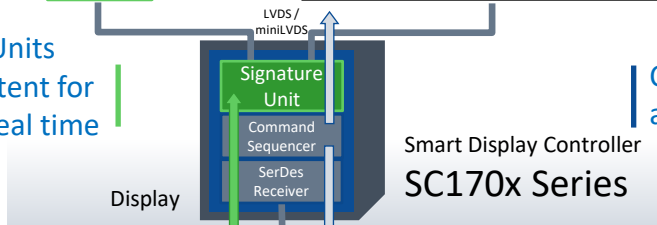
“Indigo” Smart Display Controller Signature Units



Continuous monitoring of correct frame counter

Target – SC170x Signature Units does a check of display content for each signature window in real time

Comparison results triggers action on the display



The Head Unit calculates target signatures of pre-defined windows and transmits the values to the SC170x via the SerDes sideband

A mis-match in comparison result triggers user defined safety action on the Head Unit side



CRC/checksum comparison (max. 16 windows)



OK



NG

Inappropriate color distance



Invisible Pixel cluster comparison

