AIRC- HSD100-01

Sporting of Remote Controller
RC MIPI CSI2 Wireless Transmission Card

Features
- Support real-time image stream
- Support CNN Model by Caffe/Keras /TensorFlow
- Dynamic resolution 1080p/720p
- Mobile Camera device
- Low latency, high QoS, Far field
- Multiple MIPI CSI2 Input port/RGB
- HDMI Output
- Frame rate 30fps
- Object Detection/Recognition/Counting

Introduction

AIRC- HSD100-01 , using a digital image streaming technology within MR/XR application in sporting for remote control car. AIRC-HSD100-01 had wireless communication to transport image in Rx box that used command to control Tx unit form SBus/miniPCIe/UART. It is supply CNN with kind of caffe & keras model to inference of object on images streaming. Sensors input supply MIPI CSI2 of standard of multiple ports of MIPI CSI.

Specifications

Restful API input
- Tag GET POST
- Project GET PUT POST
- Page GET PUT POST DELETE
- Component GET PUT POST DELETE
- AI Rule-based engine of Text rule GET PUT POST DELETE

Monitoring View widget
- Light
- Clock
- Iframe
- Marquee
- Instant alerts
- Information checklist
- Input box
- Switch
- Text label
- 2D barcode
- Instrumentation
- Historical alerts
- Pie chart
- Histogram
- Line chart
- Real-time trend chart

System Feature
- Edit page and HTML stand-alone view page
- Multilingual user interface
- Industry PC-based or Cloud platform-based
- SQLite Database support
- Connection: Orcal、MS SQL
- Image object ID
- authority management
- USB Keypro security hardware
- Supports Linux and Windows later operating systems

Platform
- Monitor page: Multi-component with dynamic resolution
- Communication: MQTT message broker, PLC, DAQ (USAI/NI/)
- System Maimane: Email, alert, report, access control, SPC control
- Cloud computing and local service:System can be install on local host or cloud computing platform with MQTT message broker service.
- Communication API:Proving restful API for customized communication

Communications.
- UART : TTL
- MIPI CSI2: Input port x1/x2
- miniPCIe : x1
- SBus: x1
- USB : 2.0

RC AI Game Contract Content

SFC User Case :RC AI Game Contract Content

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