REPLACE UNCERTAINTY **WITH PRECISION**

Whether their vehicles have wings, wheels, or both, developers working on autonomous systems need a reliable solution for sensor data fusion.

Time-Critical Ethernet solutions from DornerWorks make those solutions possible in distributed real-time applications.

RIGOROUS **STANDARDS**

- **IEEE 802.3** - 1 Gbps full-duplex **IEEE 802.1AS-REV** slave profile
- **IEEE 802.1Q-2014** - FQTSS strict priority or credit-based scheduler for up to 8 QoS

HIGH **ACCURACY**

- Synchronizes to a grandmaster with **+/- 8-ns accuracy** (double hop)
- Rapid time convergence

VERSATILE **INTERFACES**

- AMBA/AXI4 Lite and Stream interfaces
- MDIO and RGMII or SGMII interfaces to PHY

KEEP YOUR DATA **IN SYNC & ON TIME**

DornerWorks' **Time-Critical Ethernet** IP provides low latency and high throughput, while supporting diverse traffic inputs over a common network with gapless scheduling.

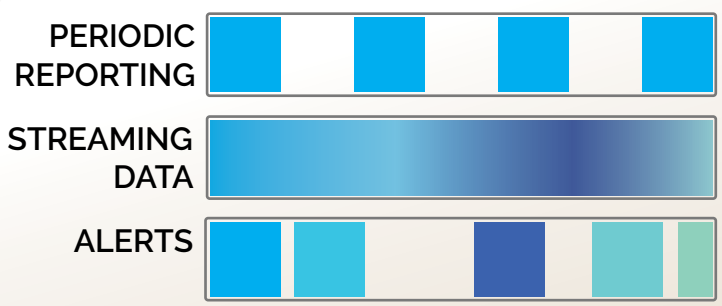
This IP integrates seamlessly with your Ethernet network, and adds confidence to your development.

DornerWorks.com | +1.616.245.8369

"DornerWorks delivered the project,

FROM ALPHA TO BETA

in the time frame and budget they promised."



DornerWorks Deterministic solution partitions the bandwidth of your incoming data, enabling real-time responsiveness with no buffering, *no matter how you stream it.*

AEROSPACE **NETWORKS**

DEFENSE **PLATFORMS**

AUTOMOTIVE **ADAS**

BE CONFIDENT **YOUR APPS WILL TRIGGER *ON TIME***

You can add time-synchronization and determinism to legacy devices, or build a fleet of new networked products from the ground up. And, ***never worry about stale data again.***

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