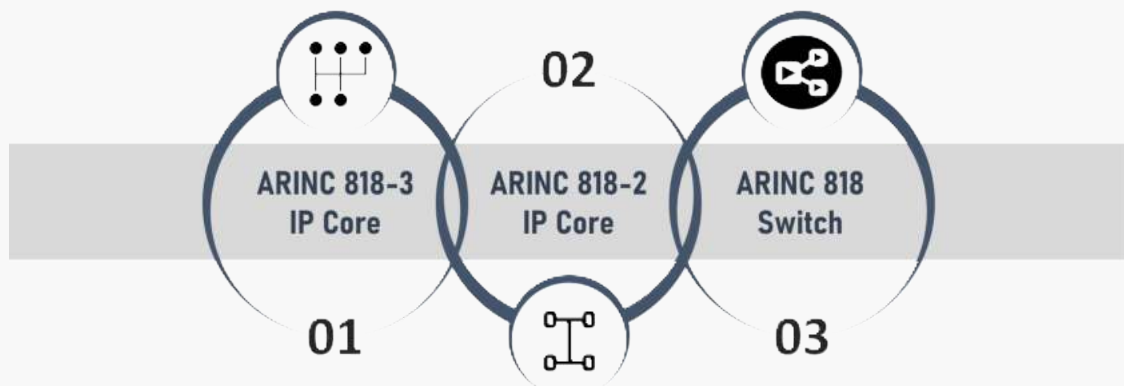


ARINC 818 Solutions to elevate your Avionics Projects

In the fast-paced world of avionics, ensuring seamless and reliable communication is crucial, iWave's top-tier ARINC 818 Solutions are designed to address the rigorous demands of the aerospace industry, providing robust and high-performance interfaces for essential video applications.

iWave's ARINC IP Cores, including [ARINC 818-2](#), [ARINC 818-3](#), and [ARINC 818 Switch](#) IP, offers customizable solutions for high-speed data transfer and real-time video in avionics. Seamlessly integrated with iWave's ARINC 818 Solutions, they provide a robust, ready-to-deploy platform for mission-critical aerospace applications.

ARINC 818 IP Cores



ARINC 818 Solutions

[ARINC 818 Recorder:](#)



- ARINC 818 Digital Video Recorder is a versatile record/playback system designed to seamlessly handle any ARINC 818 video input.
- ARINC 818 receiver supports the standard/custom resolutions depending on the link rate.
- HDMI/DP Outputs for Playback recorded video stream
- SFP Connector for ARINC 818 Optical or 75-ohm Copper I/P.

[ARINC 818 Monitor:](#)



- Rugged display modules with high-performance FPGAs that accept ARINC 818 line rates up to FC 8x.
- Accepts ARINC 818 video stream at different resolutions and refresh rates upto UHD @30FPS / 2K @60FPS.
- LCD display supports Full HD video at 60fps.
- Displays converted video data on monitors with very low latency.

Video Conversion Card:



- iWave's ARINC 818 features a rugged [single-channel](#) & [multi-channel converter card](#).
- Designed for seamless conversion between HDMI, built-in test patterns, video files, and ARINC 818 formats.
- Hardware platform designed to receive & transmit ADVB frames via Optical or 75-ohm Copper I/P.
- ARINC 818 transmitter & receiver supports standard & custom resolutions up to 2k@60fps, depending on the link rate.

ARINC 818 Analyser:



- GUI-based software tools designed to instantly verify ADVB packets against ARINC 818 standards.
- Captures and decodes ADVB data, providing error status for troubleshooting.
- Essential for ensuring compliance with ARINC 818 standards during development.
- Enables to store the captured data in a file for ADVB frame analysis.

ARINC 818 Frame Grabber:



- ARINC 818 Frame Grabber can receive High resolution ARINC Video stream and store the video data to the host PC through PCI express, or use the stored video data from Host and Transmit ARINC Video stream.

Why Choose iWave ARINC 818 Solutions?

- **Customization and Scalability:** Offering flexible solutions that can be tailored to specific requirements.
- **High Performance:** Ensuring rapid and efficient data transmission, with optimized performance that meets the demanding needs of modern avionics systems.
- **Proven Reliability:** Delivering solutions that meet the highest standards for safety, performance, and compliance in aerospace applications.
- **Fast Delivery:** Delivery in 3-4 weeks for any ICD.
- **Compact Design:** Products are compact and portable.
- **Exclusive Discounts:** Limited Offer (up to 25% discount) available for selective packages.

