

**Comprehensive**  
**ARINC 818 Solutions.....**

# **ARINC 818 Recorder**





ARINC818 record/playback system that accepts any form of ARINC 818 video input with different resolution refresh rates. The received ARINC 818 video stream is encoded with the assist of an on chip H.264 / H.265 video codec engine which is capable of performing simultaneous compression and decompression of video streams and the encoded video is stored in the storage device.

#### HIGHLIGHTS

- Accepts ARINC 818 video stream at different resolution & refresh rate
- Multi-Standard Encoding Support
  - ISO MPEG 4 Part 10: Advanced Video Coding (AVC) / ITU H.264
  - ISO MPEG H Part 2: High Efficiency Video Coding (HEVC) / ITU H.265
- ARINC 818 Recording & Playback support
- Link Rate Supported: Upto FC8x and 10Gbps

#### SPECIFICATIONS

##### Hardware Specifications

- 1x SFP Connector for ARINC 818 Optical or 75-ohm Copper i/f for ARINC818 input and output channel.
- 2x USB ports for storage media.
- 2X Ethernet interface for GUI Application & System Initial Configuration
- 1X DP/HDMI Output.
- Cooling Method: Conduction cooled Aluminum enclosure with Heat pipe
- Operating temperature: Commercial and Industrial Grade

##### Display Specs

- Link Rate: ARINC818-2 Link rate supports upto FC8x and 10Gbps
- Resolution: Standard/Custom resolutions up to 2k@60fps subjected to link rate.

- Pixel format: Monochrome, RGB, YcbCr
- Scan - Progressive (left to right, starting at top)
- Pixel Aspect ratio: 1:1
- Pixel Table Number: 8-bit Components, four components per transmission word.
- Recording: Record and store encoded video streams.
- Video Playback: Playback the encoded video stream to any selected Video output Port.

##### GUI Highlights

- Intuitive design with clear navigation and labeled sections.
- Easily adjust ARINC link rates via GUI.
- View received ARINC resolution and color format.
- H.264/H.265 encoder with bitrate selection options.
- Monitor recording status in real time.
- Manage storage media and files through the GUI.
- Control ARINC recording operations with ease.

iWave Systems an ISO9001:2015 certified, 20+ years old leading Embedded design house based in Bangalore and a global leader in ARINC 818 solutions for both Defence and Aerospace applications. iWave offers comprehensive ARINC 818 Products which will help quicker time to market, lower your overall cost and technical support during integration. iWave can also quickly customize the ARINC 818 products and deliver.

##### iW ARINC 818 Recorder

The device can be ordered online from the iWave website:

<https://www.iwavesystems.com/product/arinc818-recorder/>

Or from our Local Partners in your Region:

<https://www.iwavesystems.com/business-partners/>

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