

Tarsus3 License Features



Single or Dual Bit Sync / Frame Sync / Decommutator /IRIG Time Code Reader / PCM Simulator in PCIe or cPCI/PXI 3U Form Factor



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Tarsus3 License Features*

For nearly twenty years, Ulyssix Technologies has been dedicated to creating solutions that work for any project. The newly rebranded Tarsus3 is a testament to that goal. This 3rd generation PCM processor advances Ulyssix's PCM processing capability by utilizing the PCIe and cPCI/PXI 3U form factor to integrate a single or dual PCM bit sync/frame sync/decommutator/simulator/IRIG time code reader in the same housing with other test and measurement instrumentation. Listed at the bottom are the licensed features for the Tarsus3 and the TarsusHS. For more information regarding the Tarsus3 or any of the licensed features, please contact Ulyssix Technologies.

Tarsus3
cPCI



Tarsus3
PCIe



Options

IRIG Time Output	Outputs amplitude modulated IRIG-B or NASA 36 time through a BNC connector. Time is set from current computer time, user entered seed time, or from an archive file.
CVSD Audio Output Option	Provides audio playback through the computer sound card for uncompressed and CVSD audio embedded in the telemetry system.
Cyclic Redundancy Check Option	Uses the CRC error detecting code and a check word value in the frame to verify frame data integrity.
Best Source Selector Option	This feature allows the Tarsus3-02 to perform a best source selection between two channels. It selects the PCM stream based on frame sync and outputs it. (This feature is only available with the Tarsus3-02.)
Missed Distance Calculator Option	Uses Doppler data to calculate distance between two objects
Tarsus3-02 Dual Decom	Enables two Decoms on a Tarsus3-02 card. This option converts a Tarsus3-02 to two channels of Bit Sync, Frame Sync, and Decom.
Bald Eagle RF Transmitter	Adds one RF transmitter to Bald Eagle RF. The Transmitter licensed feature includes all of the following bands: C, S, L, Extended P, P, and IF.

Viterbi Decoder and Forward Error Correcting Option	Provides Viterbi decoding on Bit Sync and Forward Error Correcting on the PCM Simulator.
Chapter 10 Option	Receive and transmit CH10 UDP packets as well as record and replay CH10 files. Includes PCM data from a CH10 file out of the PCM Simulator.
UDP Publisher Option	Provides UDP streaming of time tagged frame data and/or decom parameters.
Telemetry Over IP (TMOIP)	Broadcast or receiver IRIG 2018 Telemetry Over IP UDP Packets via Internet Protocol Version 4.
LQ Tester Option	Provides functionality for the latency and quality of a PCM signal.
RS232 (UART) Output Option	Provides the ability to transmit Decom parameter data through four RS232 (UART) on the Tarsus3 card.
Real Time Simulator	Allows the user to change PCM Simulator word values in real time via slider or numeric entry.

***Please contact Ulyssix about availability of these Licensed Features on the TarsusHS card.**
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