



**Goebel being the world leader in Enhanced ASCB, exclusively offers ASCB raw recording, guaranteed to preserve bus data without requiring Escape data base or configuration information.** No longer can you lose flight test data due to human or data base errors. By recording data exactly as seen on the wire the data can be interrogated in the lab with matching data base. Recording starts automatically on power up or under laptop control.

Our newest addition provides smart video solutions to record and synchronize pilot's actions and instrument displays along with bus data.

### **Rugged 28v 110v Or 220v powered chassis**

Our compact and rugged chassis provides support for the greatest number of bus interfaces in a small form factor. A powerful and full featured hardware/software platform. GTIU-4 accommodates up to 4 bus interface cards, 6 for GTIU-7.

### **Now with Cockpit Video**

Records cockpit video via camera or AGM DVI output. Now you can correlate pilot actions with bus data with precise time synchronization.

### **PowerGO recording**

Records automatically on power up or under laptop operator control. Front panel display provides visibility of recording without requiring laptop.

### **Goebelyzer software**

Goebelyzer software provides access to a wealth of bus interfaces synchronized in time. See all bus data, and now video with time correlation. Now it is easy to see what the pilot actions or display information, accompanies bus data.

### **TIU software**

For users of Honeywell EPIC and APEX platforms, TIU software provides the familiar Honeywell tool set. Honeywell tools interface with Goebel GNIC for enhanced or standard ASCB-D.

### **Bus interfaces**

Chose from the most comprehensive line of bus interfaces in the industry, including Arinc 429 (with data loading), Arinc 664 (with data loading), Arinc 717 QAR/FDR, CAN, Mil-Std-1553, Honeywell Flight Controls IMB/ADB, Analog I/O, Discrete, SpaceWire, DVI-HDMI-SDI video.





## GLZYR-GTIU System configurations

### GLZYR-GTIU laptop

- Rugged Laptop optional with GLZYR-GTIU-4/7
- Mil-STD-810G environmental tested
- 14" HD LED Display
- Intel Core i5 vPro processor
- 110-240 60/50 Hz VAC charger
- 240GB SSD
- 4GB Memory
- Wi-Fi, Bluetooth, DVD MULTI Drive
- Windows 7 Professional
- Weight of 7 lbs

### GLZYR-GTIU-4/7

- Rugged 3-PCI-X, 1-PCIe system
- Controlled from optional laptop, rack mount keyboard display, or user PC over network
- Dual boot for running Goebelyzer or TIU software (ASCB and A429 only)
- 240GB SSD, plus 480GB 1TB or 2TB removable recording drive
- 28VDC Input, 110-240 60/50 Hz VAC adapter included
- Weight of 14 lbs for rugged chassis, 7 lbs for laptop

Part number	PCI slots	Disk	CPU	Memory	Video	LAN	Chassis	Power	Also
<b>GLZYR-GTIU-4</b>	3 PCI-X 1 PCIe	500GB mSATA SSD system disk, 500GB removable SSD recording disk	4 core i7 4.1 GHZ 8 MB cache	16GB DDR3 1333	status display, Intel HD4000	2 * 1GB LAN + wireless	3.5" x 11" x 13.6" 13.5 Lbs	28v 200W	User laptop or optional Rugged laptop
<b>GLZYR-GTIU-7</b>	3 PCI-X 3 PCIe	240GB SSD system disk, 480GB removable SSD recording disk	4 core i7 4.1 GHZ 8 MB cache	16GB DDR3 1333	status display, Intel HD4000	2 * 1GB LAN + wireless	7" x 11" x 13.6" 19.5 Lbs	28v 200W	User laptop or optional Rugged laptop
<b>CF-54G1087VM</b>	N/A	500GB SSD	Intel Core i5 7300U (2.6GHz)	8GB	1366x768	GB LAN Wireless	7 lbs	Universal Power adapter	Rugged laptop for GLZYR- GTIU-4

## Bus Interface Options

Part number	Description
<b>GLZYR-GTAX</b>	Goebelyzer A664 GXP-1000 with Gtools software including: FIDO, Scripting, Replay, Control Panel.
<b>GLZYR-GTAXE</b>	Goebelyzer A664 GXPE-1000 with Gtools software for EDE Time Manager and End System test.
<b>GLZYR-GTAS</b>	Goebelyzer ASCB-D PCI interface, Gtools/ASCB software including: Record, Playback, Control Panel, TIU server
<b>GLZYR-GTP20</b>	Goebelyzer P2PT20, 20 transformer coupled p2p with breakout, Gtools software including: Scripting, Replay
<b>GLZYR-GT422</b>	Goebelyzer 422/485 four channel, Gtools software including: Capture, Scripting.
<b>GLZYR-GT429-8</b>	Goebelyzer Arinc 429 8 configurable rx/tx channels, Scripting, BusMaster, Passthru, breakout (specify box or panel)
<b>GLZYR-GT429-DL</b>	Goebelyzer Arinc 429 data loader upgrade for GLZYR-GT429-8, includes breakout, discrete control, and loader cable
<b>GLZYR-GT629</b>	Goebelyzer Arinc 629
<b>GLZYR-GT717</b>	Goebelyzer Arinc 717, Gtools software including recorder, decoder.
<b>GLZYR-GT1553</b>	Goebelyzer 1553 2-channel with Breakout, and Gtools software including: capture, scripting, replay
<b>GLZYR-GT5W</b>	Goebelyzer SpaceWire 4 channel with cables, Gtools software including: Goebelyzer capture, scripting, replay
<b>GLZYR-GTADC</b>	Goebelyzer Analog to Digital, with Gtools software including: Capture 20 channel 12 bit, Cable and breakout
<b>GLZYR-GTDSC</b>	Goebelyzer Discrete, configurable input/output, Cable and breakout GLZYR-
<b>GLZYR-GTADC32</b>	Goebelyzer Analog to Digital, with Gtools software including: 32 channel 12 bit MHz waveform capture
<b>GLZYR-GTCAN</b>	Goebelyzer CAN2.0B (Arinc 825) 2 channel, with Gtools software including, Capture, scripting
<b>GLZYR-GTDVI</b>	Goebelyzer Digital Video Input (DVI) with Gtools software including, capture and synchronized playback