



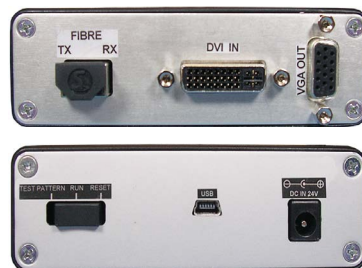
## ARINC 818 HS SAM

### High Speed Stand Alone Module

Use the ARINC 818 High Speed Stand Alone Module for flight testing or in the lab, A/C production facility, or simulator. Channel-health indicators give you system status at a glance. With portability and link rates up to 4.25 Gbps, it's an invaluable tool for ARINC 818 testing.



The HS SAM with optional USB and VGA connectors



The HS SAM is the functional equivalent of the GRAVity Series SAM formerly offered by Great River Technology.

### Applications

Great River can configure an HS SAM to fulfill any one of these key functions:

- ARINC 818 to DVI or VGA
- DVI to ARINC 818
- Test pattern generator
- Video monitor / line spy

### Specifications

Power requirement	4.3W (180mA @ 24V)
Power supply	24Vdc; shipped with switching adapter for 100–250Vac @ 50–60Hz
Form factor	Aluminum housing, 18 x 10.5 x 3.3cm (7.1 x 4.1 x 1.3")
Operating temp.	0–50°C (0–131°F)
Connectors	DVI; fiber optic LC or copper FCN; USB (optional); VGA (optional)

### Rugged video converter module

Great River can create customized units based on the HS SAM, such as this ruggedized, flight-hardened video converter module (VCM). Such a unit could be factory configured for any one of these conversion formats:

- ARINC 818 to DVI, VGA, or NTSC
- DVI to ARINC 818

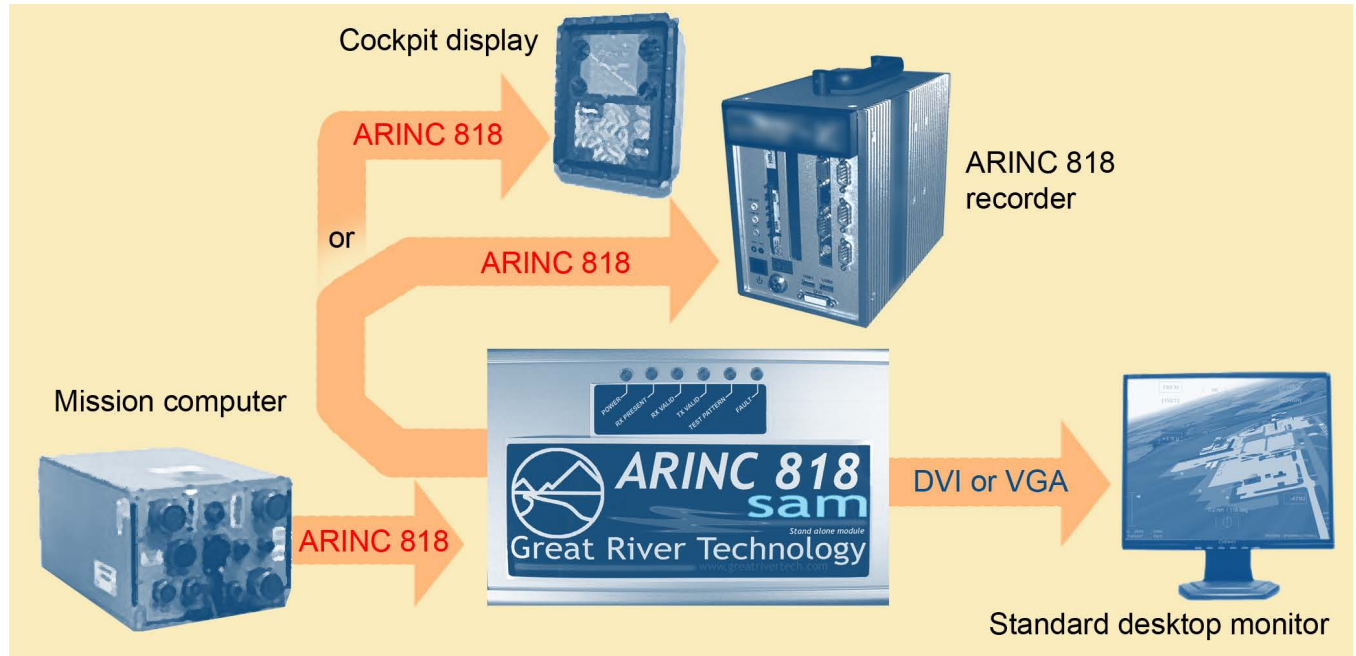
This VCM could contribute to flight-test and production programs. Its EMI-shielded design offers HIRF protection in a rugged case accommodating robust D38999 Series circular connectors.

Great River can certify such a unit for DO254 or environmental qualifications, such as DO160 or Mil Std 461 or 810. For further VCM details, contact GRT directly:

(<http://www.greatrivertech.com/contactus.html>).



AutoCAD conception of a rugged VCM



Fiber to DVI (F2DVI) configuration



DVI to fiber (DVI2F) configuration

## How to buy

Choose a combination. Determine your part number as follows:

HS\_SAM\_xxxx\_xxxx\_xxxx\_xxxx\_xx

For example:

HS\_SAM\_F2DVI\_FO850\_2125\_SXGA+\_BK



Optional mounting flange bracket

To order, consult our distributors page:

(<http://www.greatrivertech.com/resources.html>).

If none is listed for your region or country, order directly from us.

### Option

BK—Mounting flange bracket

### Video resolutions

XGA: 24-bit RGB, 1024 x 768 @ 60Hz  
 SXGA: 24-bit RGB, 1280 x 1024 @ 60Hz  
 SXGA+: 24-bit RGB, 1400 x 1050 @ 60Hz  
 plus others to match individual ICDs

### Link rate

1062: 1.062 Gbps  
 1500: 1.500 Gbps  
 2125: 2.125 Gbps  
 3187: 3.1875 Gbps  
 4250: 4.25 Gbps

### Media

FO850: 850 nm multimode  
 FO1310: 1310 nm single mode

### Configurations

F2VGA: ADVB fiber to VGA out  
 F2DVI: ADVB fiber to DVI out  
 DVI2F: DVI to ADVB fiber out  
 SPLIT: ADVB active splitter  
 TEST: ADVB connection tester