



HELIOS

MULTI-CHANNEL ARINC 818 / HDMI CONVERTER SYSTEM

The Helios offers up to 12 channels of ARINC-818-to-HDMI or HDMI-to-ARINC818 conversion in a 1U 19-inch rack mountable system. The ARINC-818-to-HDMI version provides a way to view live ARINC 818 video on common HDMI monitors. HDMI outputs can also select one of several ARINC 818 inputs, making it well suited for connection to an HDMI recorder. The HDMI-to-ARINC 818 version provides an easy method of transferring HDMI video onto ARINC 818.



Features

- ♦ Modular factory configurations for 4 - 12 channels
- ♦ 19 inch 1U rack
- ♦ 100 - 240 VAC (28 VDC option)
- ♦ HDMI connectors
- ♦ SFP Optical connectors
- ♦ A818 to HDMI or HDMI to A818
- ♦ A818 link rates from 1x to 8x
- ♦ Remote Based controls (LAN)
 - C API or Web Interface
 - Query Status
 - Real-time Object 0 Update
 - Control Test Pattern Outputs

Applications

- ♦ Pilot Training Simulators
- ♦ Cockpit Development
- ♦ Flight Test Recording of ARINC 818
 - ♦ Requires additional recording hardware
- ♦ Factory Test of ARINC 818 Equipment

Functionality

HDMI Resolutions

- XGA(1024x768) @ 60Hz
- SXGA(1280x1024) @ 60Hz
- SXGA+(1400x1050) @ 60Hz
- WXGA(1440 x900) @ 60Hz
- UXGA(1600x1200) @ 60Hz
- HD(1920x1080) @ 60Hz/30Hz
- 4K(3840 x 2160) @ 30Hz
- Additional resolutions available

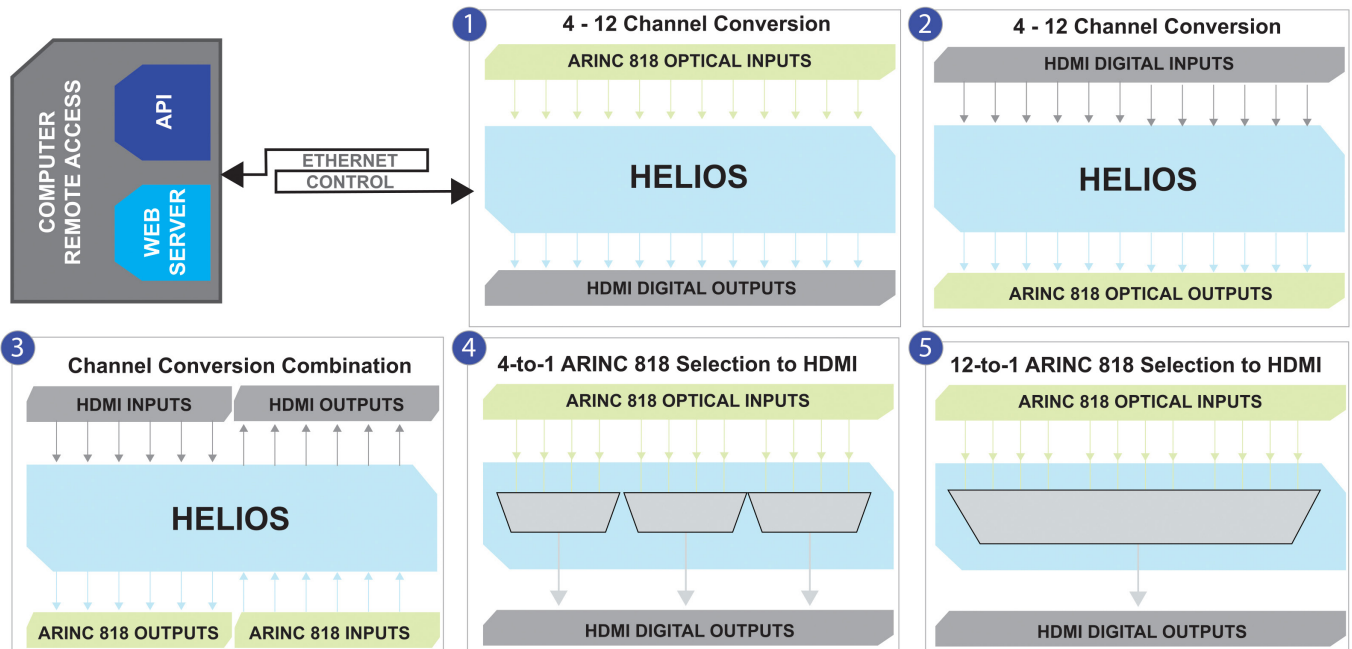
ARINC 818 ICDs

- ♦ Factory configured to match your ICD
- ♦ Any Resolution
- ♦ Any Frame Rate
- ♦ Multiple Pixel types
 - 24-bit color
 - 8-bit monochrome
 - 16-bit monochrome
 - 16-bit 5:6:5 Color
 - YCbCr
 - 32-bit ARGB or RGBA



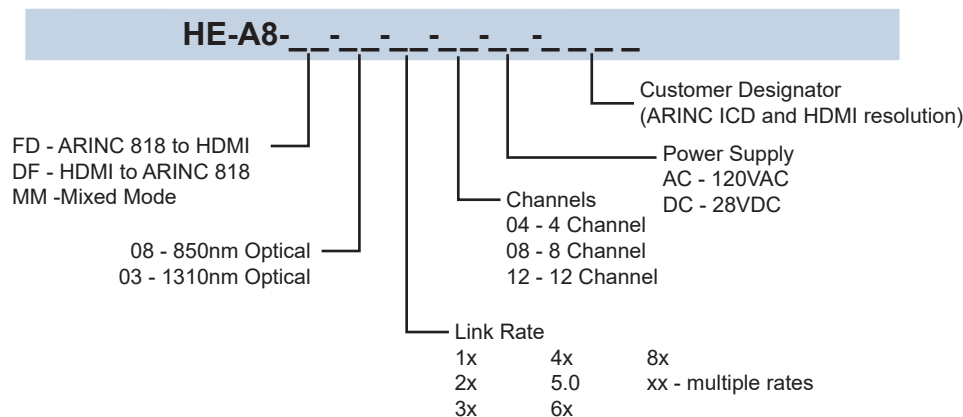
Configurations

Factory configured for 1-5+ options. Please contact sales for additional options.



How to Buy

Your part number depends on the interface you select:



To order, consult our Distributors page: <https://www.greatrivertech.com/sales>.

If no distributor is listed for your region or country or if you need additional information about our custom firmware, contact our Albuquerque headquarters.

Telephone: 505.881.6262

Toll Free: 866.478.4491

Fax: 505.883.1375

Email: Sales@greatrivertech.com