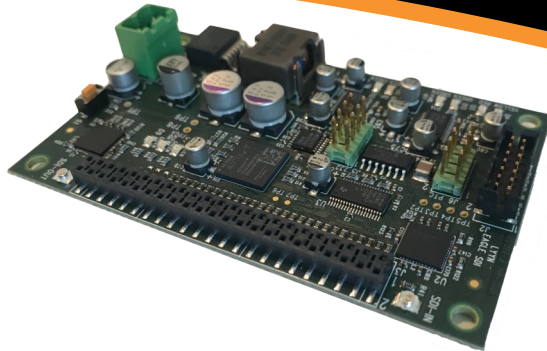


# LYYN EAGLE BOARD INTEGRATION KIT

## *The Llyn inside™ solution for digital video*



### LYYN Inside

The LLYN Eagle Integration kit is the ideal solution for advanced users, product manufacturers and system integrators that want to have lynnification fully integrated into their own HD-video solution.

### Simple integration

The kit contains all the necessary parts for simple plug-and-play integration. You connect your HD-SDI video to the board's micro coax connectors. The board can be controlled by the included control panel or by software over a standard RS232 serial interface.

### Standard control panel for manual control



A thin membrane keypad panel is included in the kit. The panels adhesive backing can be mounted and sealed to a flat surface. The panel is connected to the LLYN Eagle Board with a flat cable (included) and an intermediate PCB.

### Software control

The Eagle Board can be controlled remotely through a standard RS232 serial interface with simple text commands. You can write scripts and/or software on your own control platform for an integrated solution.

### Video standards

Standard	Name	Bit rates	Resolution & frame-rate
SMPTE 292	HD-SDI	1.485 Gbit/s, and 1.485/1.001 Gbit/s	720p, 1080i60
SMPTE 424	3G-SDI	2.970 Gbit/s, and 2.970/1.001 Gbit/s	1080p60

### Physical connectors

Video: MCX RF contacts. Use 75  $\Omega$  cabling  
Communication: 2.54 mm through-hole header contacts.  
Samtec HLE-123-02-F-DV-BE-A

### Included in the package

2 254 mm coaxial cables  
2 MCX RF to BNC adapters  
Power connector, male & female  
Keypad and associated cabling

### Power

5 V DC, 1.0 A.

### Operating conditions

Temperature: 0 — 50 °C (32 — 122 °F)  
Humidity: 0 — 80% RH (non-condensing)

### Dimensions and weight

Board: 55 mm x 90 mm x 30 mm  
Weight: 31 g  
Mounting holes: 4 x M4  
Control panel: 80 mm x 50 mm x 1 mm

### Video latency

1 microsecond

US Patent No. 8,023,730 and equivalent patents and patent applications in other countries.

More information is available at [www.lyyn.com](http://www.lyyn.com)

  
we give you a clearer vision