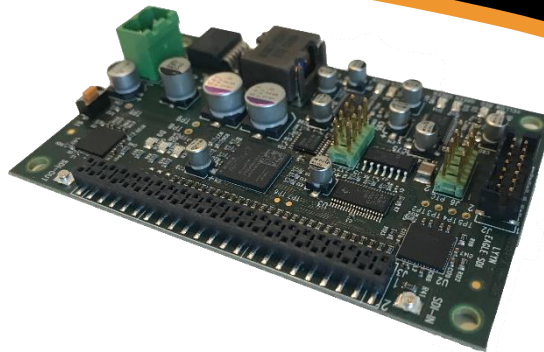# LYYN EAGLE BOARD INTEGRATION KIT

The Lyyn inside™ solution

for digital video

LYYN Inside

The LYYN Eagle Integration kit is the ideal solution for advanced users, product manufacturers and system integrators that want to have lyynification 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 LYYN 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.

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 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 Ω cabling
Communication2.54 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)

Video latency

1 microsecond

LYYN®
we give you a clearer vision