

Pioneering motion capture since 1984.

VICON

Lock

Lock Lab for Analog devices

Lock Studio for timecode and HD/SDI



Lock

Dedicated connectivity for your applications



Lock Lab and Lock Studio are Vicon's control box for connecting, integrating and synchronizing third-party devices with your Vicon motion capture system.

Connect

Vicon Locks make getting started with your Vicon system easier than ever. Simply connect your third-party devices directly into your Lock Lab or Lock Studio, connect to your PoE switch and start capturing.

Integrate

With a 64-channel analog-digital converter (ADC) and integrated device connection, you can wire your third-party devices directly to your Lock Lab.

Synchronize

Lock units enable you to trigger up to eight third-party devices for external sync via VESA. Lock Studio has an additional SDI input available for synchronizing with compatible cameras as well as analog genlock and timecode.

Power / Communications	
PoE	Conforms to IEEE 802.3 af
Nominal power usage	7 Watts
Maximum length	100 m
Connection type	RJ45
LTC Output (100 ohm)	BNC
Remote Control Input (Start/Stop)	
Connection input	Phono socket
Input impedance	1K5 to internal 5V
Physical	
W x D x H	445 * 200 * 44.5 mm (standard 1U high and wide)
Weight	1.6 Kg
Environmental	0 deg C to 35 deg C

Sync Out (x8)	
GPO	8 * programmable GPO
Connection type	Phono sockets
Output impedance	130 ohm
Output level (internal voltage source)	0 to 4.3V
Output level (external voltage source)	0 to 18V
VESA Sync	
VESA stereo input modes	50, 60, 100, 120, 200 Hz
Connection type	3-pin Mini DIN
Input impedance	10K
VESA Output (Studio Only)	3V3 TTL square wave - BNC

Device-Specific Features

Analog Input - Lock Lab	
Number of analog channels	64
Total analog sample rate	192 KHz
Analog input ranges	+/- 1.25V +/- 2.5V +/- 5V +/- 10V
Connection type	Weidmüller connector - part number 1278100000

Timecode Input (SDI) - Lock Studio	
Analog Video Timecode Input	PAL/NTSC or HD Tri Level sync
Connection type	BNC
Input impedance	75 ohm
Supported rates	30P, 29.97P, 25P, 24P, 23.98P
LTC Input and Output (100 ohm)	BNC
SDI Input	576 x 50I, 487 x 59.94I, 1080 x 30P, 1080 x 24P, 1080 x 23.98P, 1080 x 29.97P, 1080 x 25P, 1080 x 59.94I, 1080 x 50I

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