

VICON

Pioneering motion capture since 1984.

Lock+

Connect. Integrate.
Synchronize.



Analog | VESA | TimeCode

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Lock+ is Vicon's new control box for connecting, integrating and synchronizing third-party devices with your Vicon motion capture system.

Connect

Vicon Lock+ makes getting started with your Vicon system easier than ever. Simply connect your third-party devices directly into your Lock+, connect to your PoE 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+ system.

Synchronize

Lock+ allows you to trigger up to eight third-party devices for external sync. With Timecode, Genlock and VESA support as well, your data will always be perfectly synchronized.

Specifications

Analog Input	
Number of analog channels	64
Total analog sample rate	192KHz
Analog input ranges	+/- 1.25V +/-2.5V +/- 5V +/- 10V
Connection type	Weidmüller connector - part number 1278100000
Input impedance	1M ohm
Broadcast Sync Input (Genlock) Including VITC	
Standard definition video reference	NTSC/PAL
High Definition Video reference	1080P 30fps / 1080p 24 fps / 1080P 23.98 fps
Connection type	Dual BNC
Input impedance	High
VESA Sync Input	
VESA stereo input modes	100 Hz, 120 Hz
Connection type	3-pin Mini DIN
Input impedance	10K
Timecode Input (VITC/LTC)	
Standard Definition Video reference	NTSC/PAL
Connection type	XLR
Input impedance	600 ohm
Supported rates	50I, 60I, 30P, 24P, 23.98P

Legacy Sync Support Output	
120KHz RS422 Driver	Switchcraft EN3C3MX plug
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 7V
Remote Control Input (Start/Stop)	
Connection input	Phono socket
Input impedance	1K5 to internal 5V
Power / Communications	
PoE	Conforms to IEEE 802.3 af
Nominal power usage	7 Watts
Maximum length	100m
Connection type	RJ45
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

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