

COMPACT

fast - smart - silent



The new budget LCS
by

emotion

Lens and camera control



The new budget LCS from cmotion:

The compact LCS is cmotion's new revolutionary lens control system. Proudly introducing the first budget lens control system from cmotion. Designed and developed by cmotion, compact LCS is available in several affordable and ready to use packages. Made from quality materials and using the latest technology, compact offers cmotion reliability you would expect, for a price you wouldn't. Selectable configurations offer precision control for up to 3 motors whether wireless or hardwired through the ergonomic and easy to use hand unit. The brand new cforce motors provide outstanding performance with unique cable smart daisy chain technology. Settings such as direction, torque, ramping and digital limits are easy to set through the intuitive user interface with data and information clearly displayed on the 2.3" integrated screen. With start/stop control for a variety of cameras and flexible power supply options to the camin or direct to the motor, compact LCS offers affordable quality, functionality and reliability.

Introducing the components:

compact handunit: *Ergonomic design and smooth handling*

Manufactured using high quality materials and available in ergonomic configurations for either right or left handed operators the compact hand unit has an integrated 2.3" colour screen clearly displaying important data and menu options, even in direct sunlight. Thoughtfully laid out function buttons and the optional rocker switch make it quick and convenient to configure personal settings which can then be saved to a flash drive through the integrated USB port. To optimize the function of the compact hand unit, it is available in the following configurations:

- with knob only
- with force sensitive joystick only
- with knob and rocker switch
- with knob and force sensitive joystick
- with knob, sensitive joystick and rocker switch

*Rocker switch can be used for motor control and menu settings

In its complete configuration, compact hand unit can control up to 3 motors either wireless or hardwired to just one of the motors.

compact camin: *light and simple*

The compact camin is a small and lightweight wireless box which can be mounted anywhere on or near the camera. It offers control for up to 3 motors plus a universal interface for camera start/stop control. Having the motor driver electronics built into the motor enables us to keep this unit as its name implies.

cforce motor: *fast - smart - silent*

This brand new motor with in-built smart electronics runs as fast as any top end motor in the market but is virtually silent at less than 20 dB. It was developed in collaboration with ARRI and offers various flexible mounting options. With twin connectors and using daisy chain technology, multiple motors can be chain linked from a single connector on the camin. It can also be used in a unique hardwired configuration without the camin where power is supplied directly through the end motor.

cforce motors are also compatible with the evolution system, the knob solo and our range of ENG-adapters. Up to 3 cforce motors can be connected to a single CBUS on any evolution camin, providing control for up to 11 motors when used with camin 8M and 8M-TC. More applications to be announced.....





General description:

The compact LCS is a completely new product line available in 1, 2 and 3 motor configurations. As with all control modules from cmotion, the hand unit is robust and ergonomic. A brand new intelligent motor, developed in collaboration with ARRI, is an integral component of the new compact line up.

weight total	depending on set configuration 4-5.5 kg
weight of hand unit (for 3 motor control)	707 g incl. battery and marker ring
weight of camin	156 g
weight of motor	323 g incl. standard clamp and gear
wireless frequency	2.4 Ghz
wireless range	30m (98feet) indoor (depends on architecture of the building) 200m (660 feet) outdoor
wireless channels	8 channels
environmental requirements	-20° to 50° C (-4° to 122° F)
operational handunit hours	approximately 6-8 hours
transmission delay	<10ms
Software update via USB port	Yes
maximum axis control	up to 3 motors
hardwired operation possible	Yes (connect directly to cforce)
same function for left and right handed operation	Yes (option for focus knob on right or left when ordering)
independent wireless control units	1
3D operation	No
display on hand unit	2.4"
Start/Stop function	ARRI Alexa, Red One, Red Epic, Red Scarlet, Sony F35, F65, F5, F55, Broadcasting cameras (via 12 pin Hirose)
shows focus, zoom and iris position	Yes
set direction and ramping of motor	Yes
set digital lens limits	Yes
set digital knob limits	tba
adjustable friction of knob	No
shows battery and connection status	Yes
fasting options	various mounting options with the motor
compatible motors	cforce motor
cforce rotations per second (for standard torque lenses)	1.9 r/s at 12V 3 r/s at 19V or higher
power consumption of motor	max 1.4 A (limitation)
motor compatibility to other cmotion products	evolution, knob solo, ENG-adapter
motor specification	daisychain connection (motor-to-motor)
automatic motor calibration	Yes
save settings	via USB
connectors	camin: LBUS Le 4p, EXT Le 10p, RS Le 3p hand unit: CBUS Le8p cforce: 2x LBUS 4p
power supply hand unit	battery, 2400mAh 7.2V

