

# MOVING PICTURES

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Der LMC NEWSLETTER 11/10



## LMC Camaleon Cam Packs Full HD Into Small Camera

By: Kevin Hilton, European Correspondent | Published: November 16, 2010

Ultra slow motion system developer LMC has produced what it claims will be the smallest full high-definition CCD camera on the market. The Camaleon Cam is aimed squarely at the sports broadcast market and will be launched officially just before Christmas.

The unit has a 2.3-inch CCD 14-bit sensor, with a dynamic range of 64dB. This allows the Camaleon to produce uncompressed HD pictures that are carried from the camera using either intelligent fibre or wireless connections.

A range of lenses can be accommodated by the C-mounting fitted as standard. A PL-mount is offered as an option, with possibilities for adapting the camera to take a B4 housing. Pixel size is 5.5µm by 5.5µm, with a total number of 2004 x 1144 pixels (1920 x 1080 active).

The camera and CCU are housed in the same unit, which measures 44x44x53mm and, according to LMC's publicity, is smaller than a Rubik's Cube. In addition to its box-like housing Camaleon can be mounted in adjustable waterproof, heated and rugged housings.

LMC Chief Executive Felix Margraff says the main selling point of Camaleon is that it "adapts" to different environments, hence the name. For example a unit being used for a golf tournament will have a grass cover, while motor sports units will blend in with the tarmac.

"We are planning an underwater version, which could be used ideally for all kinds of water sports, like rowing, which would have a wireless unit on a boat, or platform diving, with Camaleon mounted on a rail going into the water," comments Margraff.

LMC plans to rent, lease and sell Camaleon through its international sales network. Prices have not been confirmed yet but will be announced nearer the launch time.

A second generation version of LMC's flagship product, the Antelope ultra slow motion camera system, is due early next year and will be shown at NAB 2011. Antelope MkII will feature a new sensor and a different design of RCP and OCP, both of which will be on serial RS connections.

Margraff says Antelope MkII will be an ENG-style system that can be handheld or mounted on a rail, Steadicam or crane. With a smaller, lighter body the camera will also come in a wireless version.

LMC will rent out Antelope MkII direct but it will also be for sale through the company's network of distributors.

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### Tiny HD camera blends in

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LMC (LiveMotionConcept) has introduced what it claims is "the smallest HD CCD camera on the market" – the new Camaleon.

It uses a 2/3-inch CCD interline transfer progressive scan sensor, and measures just 44x44x53mm, which means it "can be installed at locations where no other camera has gone before."

It is claimed to be extremely light sensitive, offering native HD 1080p pictures (25 or 30p – 8-bit or 10-bit YUV 4:2:2 via HD-SDI). It also boasts 64dB dynamic range, 14-bit signal

processing, exposure times of up to 1/100,000 sec, and consumes about 5W of power. It is remote controllable, via RS485 and RS232.

LMC also supplies a box that converts all of the Camaleon's signals to fibre-optics, houses an integrated HD monitor plus an intelligent battery system and which can optionally transmit all signals via a wireless connection to the OB truck.

Camaleon should be available in the next few weeks and will be usable with different housings that can adapt to the environment (using a variety of colours and shapes), including waterproof and underwater housings for applications like diving, rowing or sailing. Camaleon can also be used for 3D on a mini-rig. It takes C-mount lenses, or can optionally be fitted with PL or B4 mounts.

LMC's Antelope UltraSlowMotion system was used last week at the Barclays ATP World tour tennis finals, in London. ATP Media chose the system due to its high light sensitivity and its De-Flickering technology.

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Noch schnell vor dem Jahreswechsel...  
zwei Pressemitteilungen die zeigen, dass sich gute Nachrichten schnell verbreiten.

Also...warum nicht den Christbaum mit Camaleon schmücken  
und Weihnachten mal aus anderen Perspektiven feiern....

... Camaleon ist ab sofort lieferbar.

Frohes Fest

Felix Margraff, CEO

