MODULA HD CAM

The MODULA HD CAM features a 2/3-inch CMOS image sensor, 16bit quantization process and a signal-to-noise ratio of >62dB . The MODULA HD CAM is interlace or progressive switchable, meeting 1920x1080 pixels or 1280 × 720 pixels HDTV specifications and a high dynamic range of up to 12f-stops in high gain mode. With its built-in HDSDI / SDI converter the MODULA HD CAM provides HD-SDI and SDI outputs and therefor easy viewing of HD images on any HD or Pal/NTSC SD monitor.

Using a unique system of interchangeable lens mounts, the camera allows attachment of industry standard B4 bayonet-style high quality HD lenses (e.g. Digi Primes and Zooms), C-mount, Nikon-style and ARRI PL mount cine-style lenses (including all 35mm and 16mm cine lenses). This modular upgradeable concept characterizes the basic idea behind the MODULA HD CAM, which allows to configure the camera with an wide range of accessories to perfectly match the application´s needs. Accessories currently in development are:

- digital cinematography breakout box to fit Arri film camera accessories and power connectors and to provide easy handheld or tripod mounted operation
- lightweight high resolution on-board viewfinder
- magazine baseplate, a mobile digital HD field recorder to capture HD or SD images

Since all the configuration and administration is done on-board, no fixed external control units are necessary for operation. (remote control operation is possible though) The configuration menus are provided via Ethernet, internal web pages and via RS 232 standard broadcast interfaces. All parameters like gain, white balance or shutter speed could be virtually set from any PC, Mac laptop computer or a camera control unit which is usual in the broadcast workflow. The MODULA HD CAM comes with a range of preset integrated lookup tables to facilitate the cameraman.

With its solid light weight compact design and the (optional) remote control capability the MODULA HD CAM is ideal for field broadcasting, such as sporting events, where unmanned cameras behind the goal play such a critical role. Another perfect application for the MODULA HD CAM is digital cinematography: In combination with the newly developed digital cinematography breakout box the MODULA HD CAM is capable of substituting a 16mm film camera body while taking advantage of all other film camera accessories (e.g. 16mm and 35mm cine style lenses, matte boxes, batteries, etc.) It provides at the same time the equivalent depth of field as 16mm film. Thus the camera crew´s accustomed work flow is preserved and only the expansive film stock is replaced by digital HD image storage.

At Cinegear Expo Los Angeles Easylook System announced and previewed the MODULA HD CAM. The first working prototype was presented to the public at IBC Amsterdam and Cinec Munich 2006. Easylook System expects to deliver first orders of the MODULA HD CAM in early 2007.

MODULA HD CAM Specifications

Image Sensor	2/3 inch single chip CMOS sensor
Resolution	1920 × 1080 pixels progressive and interlaced
	1280 × 720 pixels progressive and interlaced
Frame Rates	720i @ 100/120 fps
	720p @ 23.98, 24, 25, 29, 97, 30, 50, 59.94, 60 fps
	1080i @ 50, 59.94, 60 fps
	1080p@ 23.98, 24, 25, 29.97, 30fps
Sensitivity	f8 @2000 lux (400 ASA)
Dynamic Range	up to 12 f-stops, 9 f-stops with 0 gain
Signal/noise Ratio	> 62db
Quantization Processing	16bit
Lens Mounts (exchangeable)	PL-mount, B4 bayonet-style, C-mount, Nikon mount
Depth of Field	equivalent to HD lenses
Outputs	HDSDI / SDI
	(4:2:2)
Power Requirements	12VDC, 4.0 watt
Weight	ca. 400 grammes
Dimensions	130mm x 66mm x 66mm + lens mount

Features and specifications subject to change without prior notice.

EASYLOOK SYSTEM

Ruge Rent oHG

Rahlau 46

22045 Hamburg, Germany

Phone +49 40 - 66977731

Fax +49 40 - 66977859