

HDMC

HD Microcam

The HDMC is a micro-sized HD camera suitable as a high quality replacement for analogue bullet cameras. Applications include motorsports, surveillance, helmet and body worn. The camera can be used as part of the Gigawave on-board system which includes HD video transmitter and remote control of camera iris, pan tilt and zoom. The camera is available with a variety of optional lenses.



Key Features

- Variety of lenses available
- Inline or right angle NF mounted Lens

Typical Applications

- Sports Coverage
- UAV/UGV



Remote camera control functions

- RGB Gain
- RGB Pedestal
- Analogue Gain 0.5dB steps -3dB to +24dB
- Digital Gain control
- Black master pedestal
- Black clamp level
- Gamma linear/rec709/user definable
- Integration time
- Saturation
- Detail
- Control via Gigawave OCP5 or dedicated GUI PC intuitive interface
- Serial CAN or RS485 Interface, will directly connect and control with Gigawave on-board camera systems

Camera

- Micro-sized colour compact single piece HD Camera

Sensor

- Single SOIC chip
- 1920 x 1080 at Diagonal 6mm
- Full resolution 1968 x 1096
- Pixel size 2.7um x 2.7um
- Rolling Shutter

Lens detail

- NF or M12 Mount

Video output

- HDSDI via rear SMB connector

Video Format

- To SMPTE 292M
- 1080i 50/59.94 25/309ps
- 720p 50/59.94 50/609ps

Power

- 10 to 18V DC Watts
- CAN/RS485 via rear Deutsch ASU size 3 connector

Environmental

- Very small size 80 x 24 x 24mm without lens
- Weight 80gms
- Operating Temperature 0 to +80°C
- Splash Proof
- Vibration – F1 and Moto GP vibration profile resilient

