

HDMC

HD Microcam

The HDMC is a micro-sized 16:9 format 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 Vislink on-board system, which includes HD video transmitter and remote control of camera colorimetry settings. The camera is available with a variety of optional lenses and mounts.



Key Features

- Inline demountable or right angle camera head
- Designed to withstand very harsh environments
- True interlaced performance – no frame shuttering effects

Typical Applications

- Sports Coverage
- UAV/UGV
- On-Board Camera

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
- AGC Windowing
- AGC Control
- Saturation
- Detail
- Control via Vislink OCP5 or dedicated GUI PC intuitive interface
- CAN Interface; will directly connect and control with Vislink on-board camera systems

Lens Detail

- NF or M12 Mount

Video Output

- HDSDI via rear SMB connector

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

Power

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

Formats

- 1080i/50/59.94
- 720p/50/59.94

Mount & Lens Options

- M12 mount
- NF mount
- NF lens tight 2.7mm
- NF lens wide 4.5mm

Environmental

Size

- 80 x 24 x 24mm without lens

Weight

- 80gms

Operating Temperature

- 0 to +80°C

Waterproofing

- Splash Proof

Vibration

- F1 and Moto GP vibration profile resilient/D0160 Section 8 Compliant