



# MOOV CAM : HIGH PERFORMANCE VIDEO CAMERA



**IDEAL FOR FAST MOVING OBJECT**

**4K**  
ULTRA HD

**Pregius**  
Global Shutter Technology

**B&W or COLOR**



## FEATURES

- High performance video camera (4K 60fps)
- Perfect for fast moving object
- **Fiber-optic** allows a long distance remote head (useful in case of electromagnetic disturbance)
- Thanks to USB-C & PCIe, MOOV CAM is the one of the few video cam using the full capacity of the **SONY-IMX253** sensor
- Reduce housing

## APPLICATIONS

- Machine vision (industrial)
- Traffic monitoring
- Broadcast / Cinema
- Defense
- Aerospace
- Surveillance (situational awareness)
- Submarine deep depth
- Life science / Medical
- Microscopy

## SONY-IMX253 SENSOR

- Global shutter
- Max **12.37Mp** 4/3 (4096 x 3000)
- 68fps (8 bit) / 64fps (10 bit) / 46fps (12 bit)
- 17.6mm diagonal (Type 1.1")
- 3.45µm square pixels

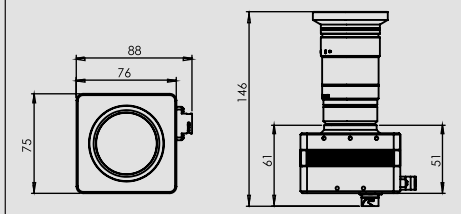


Global shutter      Rolling shutter

## KEY PARTNERS



## SIZE / WEIGHT



Weight : 380g w/o lens



# MOOV CAM : THE ONLY CAM USING THE FULL CAPACITY OF THE SONY-IMX253 SENSOR

## CHARACTERISTICS

### SENSOR

- SONY IMX253 (CMOS)
- Max 12.37Mp 4/3 (4096 x 3000)
- Global shutter
- 68fps (8 bit) / 64fps (10 bit) / 46fps (12 bit)
- 17.6mm diagonal (Type 1.1")
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### POWER

- 15W max (5 to 20V, 3A max)
- From external source to camera's I/O connector
- or
- From USB type-C «Power Delivery»
- Can behave as power source to USB Type-C connector when powered from I/O connector

### PHYSICAL

- Dimensions : 88 x 75 x 61mm
- Weight : 380g w/o lens
- Standard C mount, optionally Nikon F / «positive lock» Canon EF-S with lens control
- Multiple threaded inserts

### I/O

- **PCI express Gen II x 4** (up to 16Gb/s) over fiber optic. Enables maximum image sensor raw output : full frame, 10-bit, 60fps (7.4 Gb/s). MTP optical connector (requires simple adapter card in host computer)
- Proprietary **fiber optic link** for highest performance (up to 20Gb/s throughput). MTP optical connector (requires frame grabber & image processing adapter card in host computer)
- **USB3.0** (max 3Gb/s) on USB Type-C connector (single screw locking thread on casing)
- Can be used with pure fiber optic USB3.0 cable (without power nor USB2.0 over cable) for far reach, EMI immune link
- Frame grabbing synchronization with opto-isolated input
- 12-pin Hirose LF10WBRB-12S (mates with LF10WBPD-12P) : power input, 2 opto-isolated digital inputs + 2 opto-isolated digital outputs



### OPTIONS

Processor : NVIDIA Tegra SOC  
 Sensor : CMV50000 / CMV12000  
 Lens : Canon EF-S series



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