ATOM one 4K is a 4K flexible POV 12G SDI camera in broadcast grade.
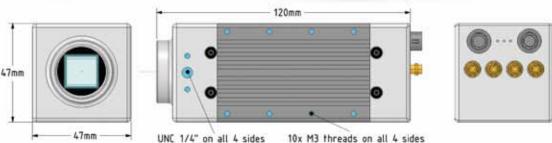- The 2/3" 4K sensor allows a very large lens selection.
- A single 12G SDI cable delivers a 4KP60 full color video.
- Simultan 12G RAW output for cinematic post processing.
- Easy broadcast color management for perfect color matching on large productions.
- Passive cooling, flexible mounting, compact size.

Features
- Size 47x47x120mm
- C-mount lense mount
- 4K 2/3" CMOS Sensor, 2.4um pixel
- Broadcast Image Processing Engine
- Dual 12G SDI Output (422 + RAW)
- Timecode, Genlock
- RS485 Remote control
- Wide power supply range 10-40V 7.5Watt

Use case
- Professional broadcast
- Internet broadcast (YouTube, …)
- Live sport events
- 360° cameras because of size (90° version available)
- OB vans/trucks
- Live concerts
- TV reality shows
- Best 4K camera for "in car" live racing
- Best 4K camera for automated cameras due to weight and power

Technical Data

Sensor
- C-mount lense mount
- 4K 2/3" CMOS Sensor, 2.4um pixel

Image Processing Features
- Automatic Defect Pixel Correction (auto-calibrate)
- 4 Channel Sensor LUT (RGBG) programmable
- Black level, White Level, Master Black
- White balance / Auto white balance
- Flare compenstation
- High quality color interpolation (debayer)
- Color Matrix / Color correction
- Color temperature settings / profiles
- Multimatix Color Correction (12/24/32 angles)
- RGB LUT programmable
- Denoise filter
- Detail filter
- Color post processing (lumi, contr, sat, hue)
- SDI range adjustable (black / white)

System Features
- Power supply 10-40V 7.5Watt
- Passive cooling
- Auto start with last settings / Profile support
- RS485 / RS422 remote control
- Auto exposure / gain
- Auto white balance
- Embedded time code
- Genlock (Tri-Level Sync)
  - Master / Slave

Video Output
- Dual Video SDI 6G / 12G Output SMPTE ST 2082
  - 10 BIT YUV422
  - RAW (customer defined format)
- Resolutions
  - QFHD (UHD) 3840x2160
  - 4K 4096 x 2160
- Frame rates 4K 12G progressive
  - 23.98, 24, 25, 29.97, 30,50,59.94, 60

Connectors and Interfaces
- Dual SDI 6G / 12G Output HD BNC
- Genlock In/Out HD BNC
- RS485 / RS485 (Control and SW update)
- Auxiliary connector (I2C, UART)
- Power LED indicator
- Power supply

Software
- Windows Camera Control Software