

Precision in every Frame

Atom by Dream Chip – Leading Manufacturer of Miniature Cameras

- ULTRA COMPACT
- BROADCAST GRADE
- ROBUST DESIGN
- HIGH PERFORMANCE
- LOW LATENCY
- PRODUCED IN GERMANY

OUR USP's

Built for Broadcast Ready for Anything.

As Europe's leading manufacturer of miniature broadcast cameras, we combine decades of expertise in Image Sensor Processing (ISP) with uncompromising German engineering. Our cameras are trusted by the world's leading broadcast and production companies and deliver unrivaled video quality – Made in Germany.

What sets us apart:

Our unique expertise in Image Sensor Processing technology enables us to create professional broadcast cameras in formats that were previously impossible. From compact POV cameras to specialized high-speed systems with up to 500 fps – each of our cameras combines superior image quality with unmatched reliability. With 12-bit color processing, precise multi-matrix color correction, and HDR support (HLG, PQ, S-Log3), our cameras integrate seamlessly into any professional production environment.

- ATOM TWO
- ATOM TWO RP
- SSM 501
- SSM 502

FEATURES

Atom Camera Features

WHEN EVERY SHOT MATTERS

Our cameras deliver uncompromising image quality and reliability: designed for professional applications, they combine high dynamic range, excellent low-light performance and precise color reproduction in a compact, robust form factor.

Sensor	Dynamic Range	Broadcast Features
GLOBAL SHUTTER	12BIT HDR	LOW LATENCY
LARGER 1/1.8" SENSOR	S-LOG3, PQ, HLG	STEREO MIC
1080P @60 FPS	IMPROVED ISP	SDI/RS-485

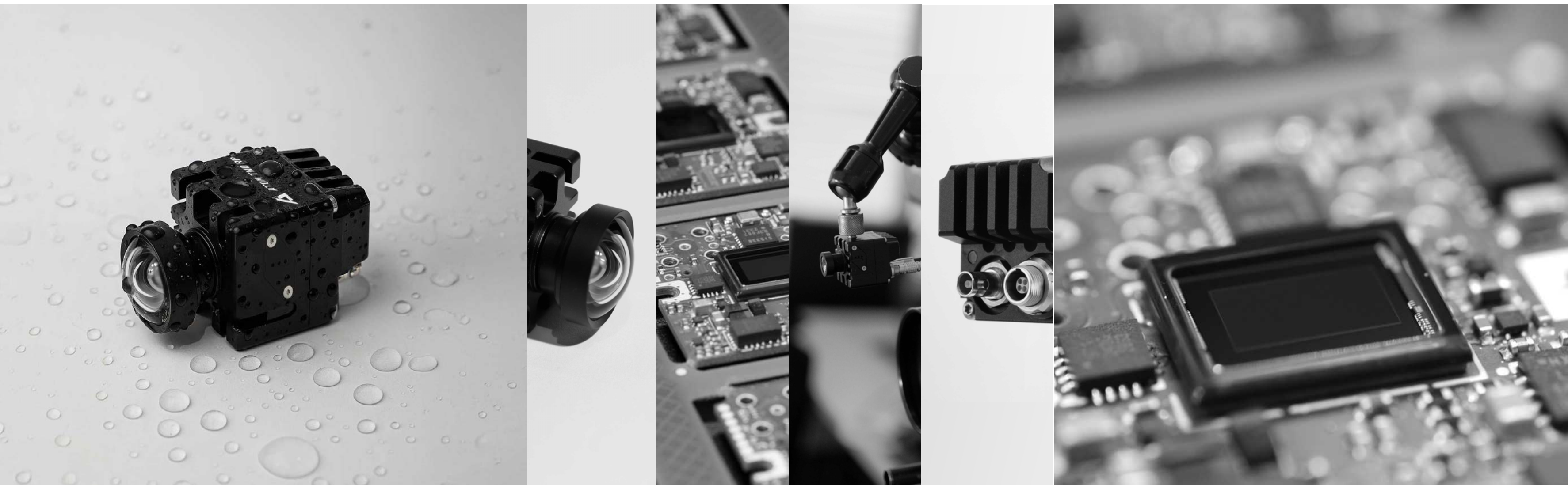
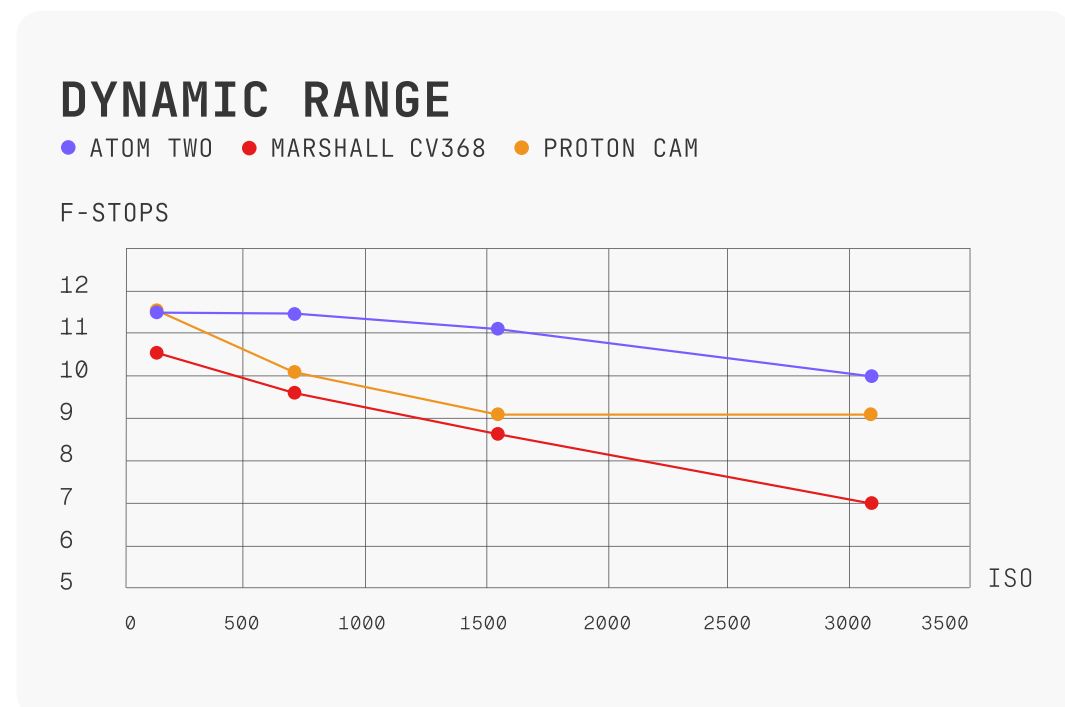
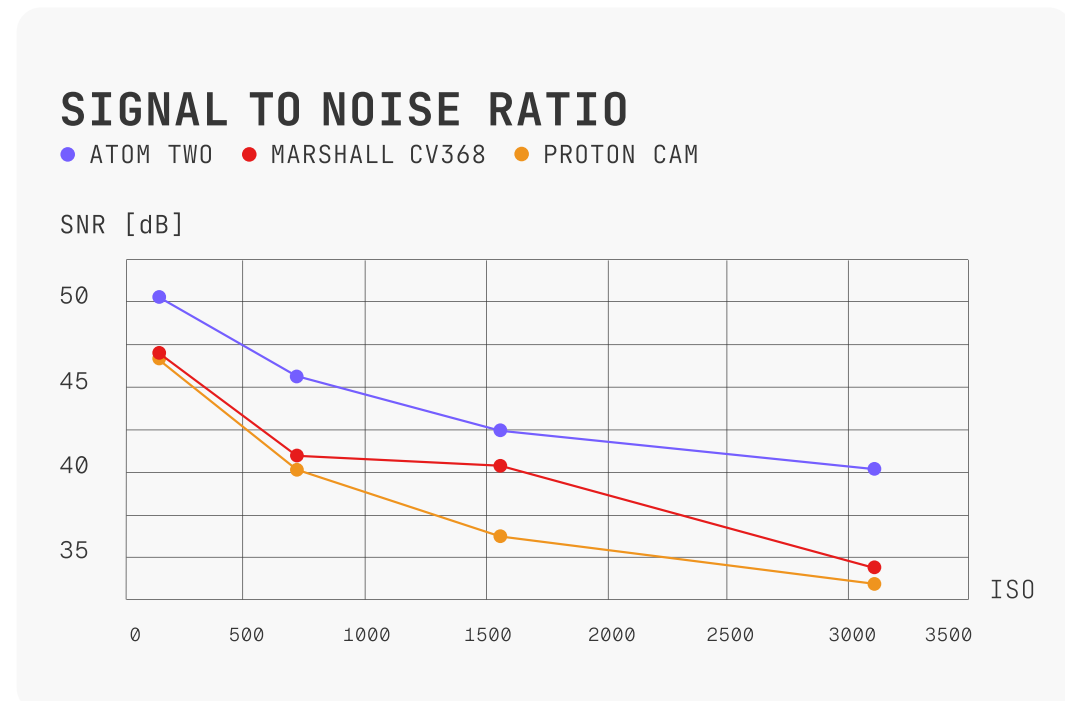
METRICS

We make a Difference.

TRUST PROVEN BY MEASUREMENT

Performance you can rely on is measurable. The following metrics highlight what sets Atom cameras apart: outstanding signal-to-noise ratio and a wide dynamic range ensure clean images, fine details and stable performance across challenging lighting conditions.

These measurable results reflect the strength of our imaging pipeline and underline our commitment to delivering consistent, high-quality output you can trust – shot after shot.



ATOM TWO

Atom Two

SMALLEST GLOBAL SHUTTER BROADCAST CAMERA

The Atom Two revolutionizes the world of miniature broadcast cameras. With its innovative global shutter sensor, it completely eliminates motion distortion and delivers geometrically undistorted images even during the fastest movements – essential for sports production, live events, and demanding film shoots. In addition, the Atom Two offers good low-light performance, delivering clean, detailed images even in challenging lighting conditions.

FEATURES

GLOBAL SHUTTER
SENSOR SIZE: 1/1,8"
HDR: HLG, PQ, S-LOG3
LOW POWER CONSUMPTION: < 2,5W (TYPICAL)

12 STOPS DYNAMIC RANGE (DUAL ISO BASED)
SENSITIVITY: F4.8@ISO140 AND F11@ISO720
FULL HD RESOLUTION

ONE 3G-SDI OUTPUT + POWER/RS-485
SIZE: 29MM X 29MM X 34MM
S-MOUNT, STANDARD LENS: WIDE ANGLE LOW DISTORTION, 85° FOV

MICROPHONE (STEREO)
MULTI-MATRIX COLOR CORRECTION (12/24/32 ANGLES)
WEIGHT: 55G



ATOM TWO RP

Atom Two Rainproof (RP)

RAINPROOF GLOBAL SHUTTER BROADCAST CAMERA

Revolutionizing broadcast imaging in any weather – meet the Atom Two Rainproof, our latest breakthrough in weatherproof ultra-compact camera technology. Designed for outdoor sports, challenging productions, and all-weather broadcasting, the Atom Two RP delivers exceptional image quality while eliminating motion distortion through its advanced global shutter sensor – all protected by its robust waterproof housing which also features a stereo microphone.

FEATURES

GLOBAL SHUTTER
SENSOR SIZE: 1/1,8"
HDR: HLG, PQ, S-LOG3
LOW POWER CONSUMPTION: < 2,5W (TYPICAL)

12 STOPS DYNAMIC RANGE (DUAL ISO BASED)
SENSITIVITY: F4.8@ISO140 AND F11@ISO720
FULL HD RESOLUTION

ONE 3G-SDI OUTPUT + POWER/RS-485
SIZE: 29MM X 29MM X 34MM
S-MOUNT, STANDARD LENS: WIDE ANGLE LOW DISTORTION, 85° FOV

MICROPHONE (STEREO)
MULTI-MATRIX COLOR CORRECTION (12/24/32 ANGLES)
WEIGHT: 55G

NEW: RAINPROOF!



SSM 501

SSM 502

Atom SSM 501 & SSM 502

SMALLEST HIGH-SPEED BROADCAST CAMERA

The SSM cameras represent the next evolution in broadcast slow-motion technology, built around a 2/3" global shutter sensor that delivers Full HD images at up to 500 fps. Where traditional slow-motion systems force compromises between recording duration and frame rate, the SSM cameras deliver both – with the SSM501 offering 120 seconds and the SSM502 providing an unprecedented 30 minutes of continuous high-speed recording.

FEATURES

FULL HD RESOLUTION
GLOBAL SHUTTER
FRAME RATE: UP TO 500FPS
DYNAMIC RANGE: 12BIT @300FPS, 10BIT @500FPS

SSM MODE (240FPS OVER 4X 3G-SDI)
TRIGGER MODE (LIVE FEED & REPLAY @60FPS OVER 2X 3G-SDI)
MULTI-MATRIX COLOR CORRECTION (12/24/32 ANGLES)

RECORDING TIME @500FPS: 120 SEC (SSM 501), 30 MIN (SSM 502)
REMOTE CONTROL VIA LAN (WEBSOCKET) AND RS-485, GENLOCK
HDR: HLG, PQ, S-LOG3

SIZE: 189MM X 60MM X 60MM
WEIGHT: 900G (C-MOUNT), 1700G (B4-MOUNT)
MOUNT: C-MOUNT OR B4-MOUNT



REACH OUT TO OUR EXPERTS

Looking for a miniature broadcast camera with excellent image quality?

Get in touch with our team or one of our distribution partners.

WWW.ATOM-CAMERA.COM

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