

DVTI + CAM

**Digital video camera
with time insertion**

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Project Status Update

5. SOTAS Meeting / 01.11.2025

Agenda

- **Evaluation IMX432, IMX585**
- **DVTI+CAM «PRO»**
- **Software**

Evaluation IMX432, IMX585

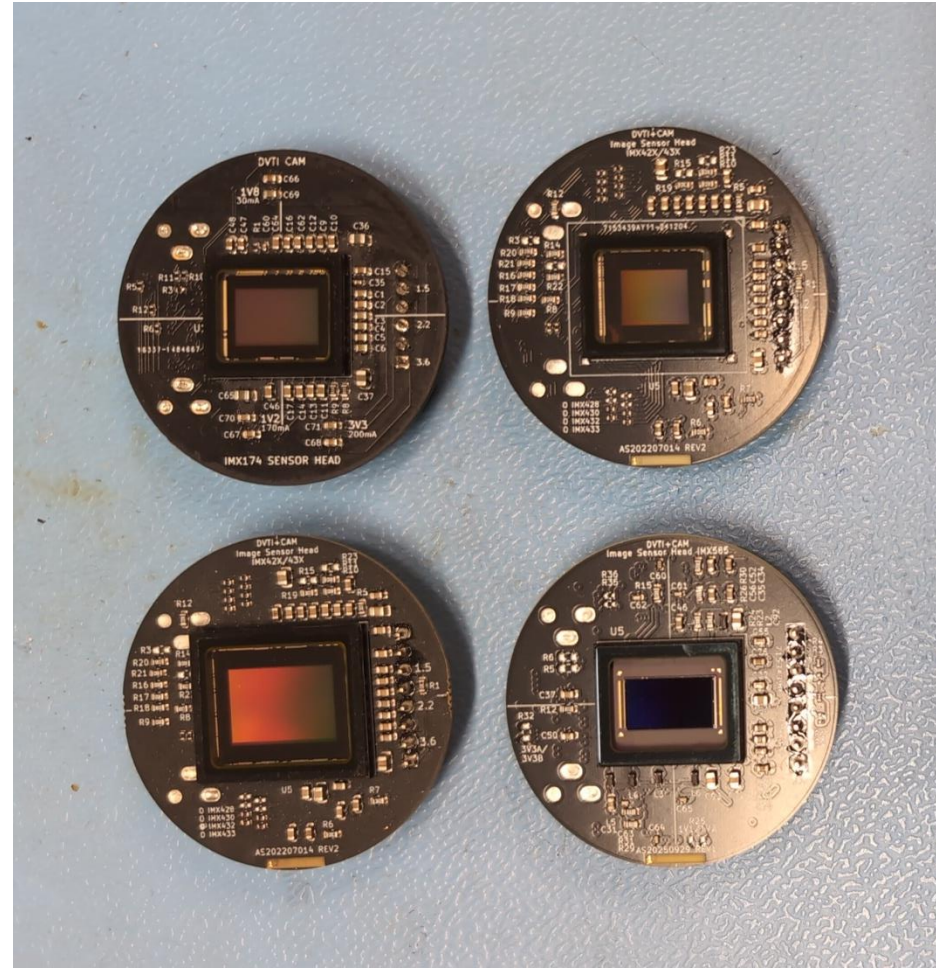
→ Neue Sensormodule



Evaluation IMX432, IMX585

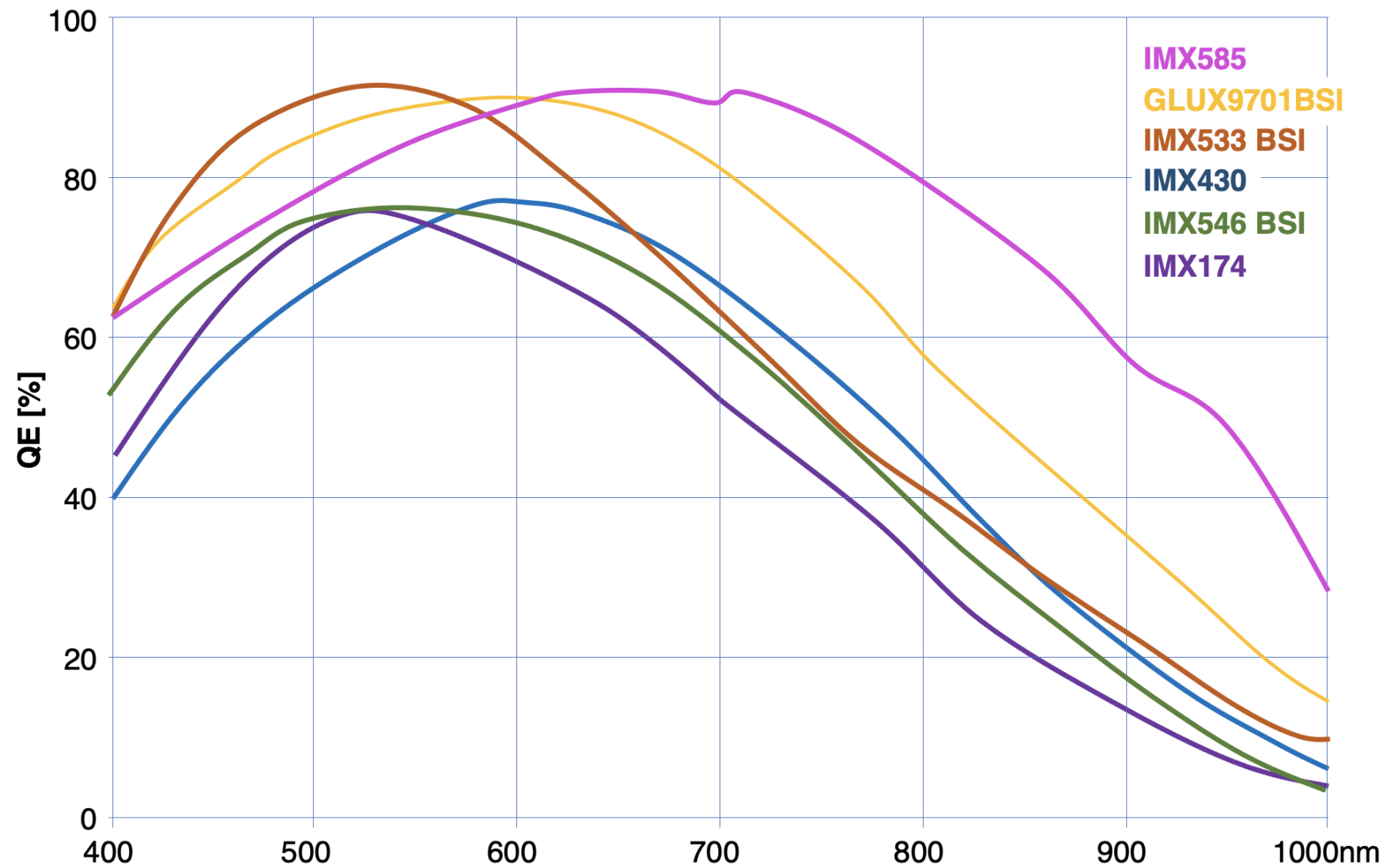
→ Neue Sensormodule

- **IMX174 (Gen 1)**
 - 5.86µm Pixel
 - 1920x1200
- **IMX432 (Gen 3)**
 - 9µm Pixel
 - 1600x1100
 - wird recht warm...



- **IMX430 (Gen 3)**
 - 4.5µm Pixel
 - 1624x1240
 - on-chip 2x1 binning
- **IMX585 (Starvis 2)**
 - 2.9µm Pixel
 - 3840x2160
 - backside illuminated
 - max 30 (60) fps...
 - CSI-2 Schnittstelle

Evaluation IMX432, IMX585
→ Neue Sensormodule



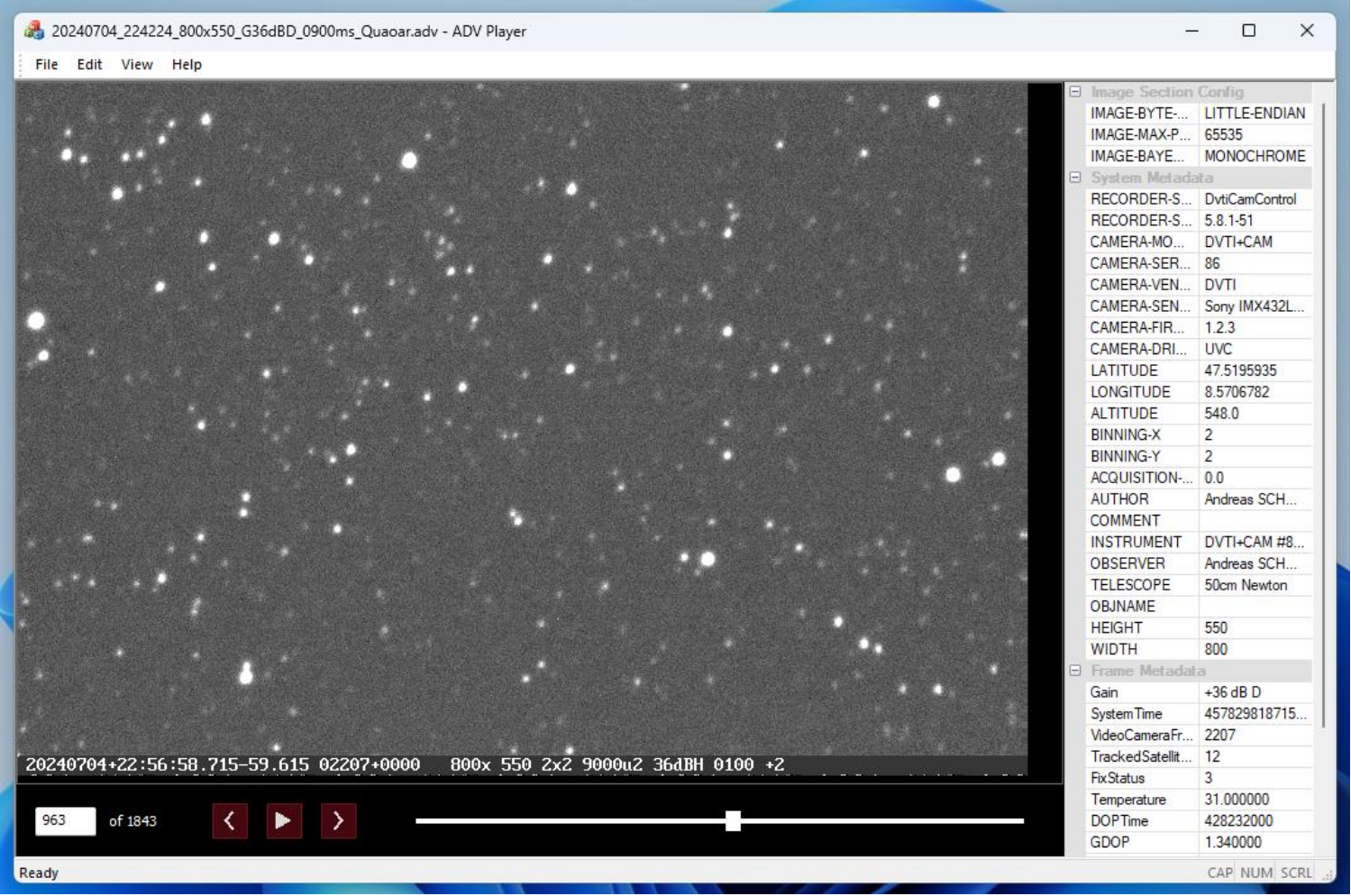
DVTI+CAM «PRO»

- **Support für sCMOS-Sensoren**
 - Kühlung
 - Mehr Datenkanäle
- **USB 4**
 - 20 Gbps (statt bisher 5 Gbps)



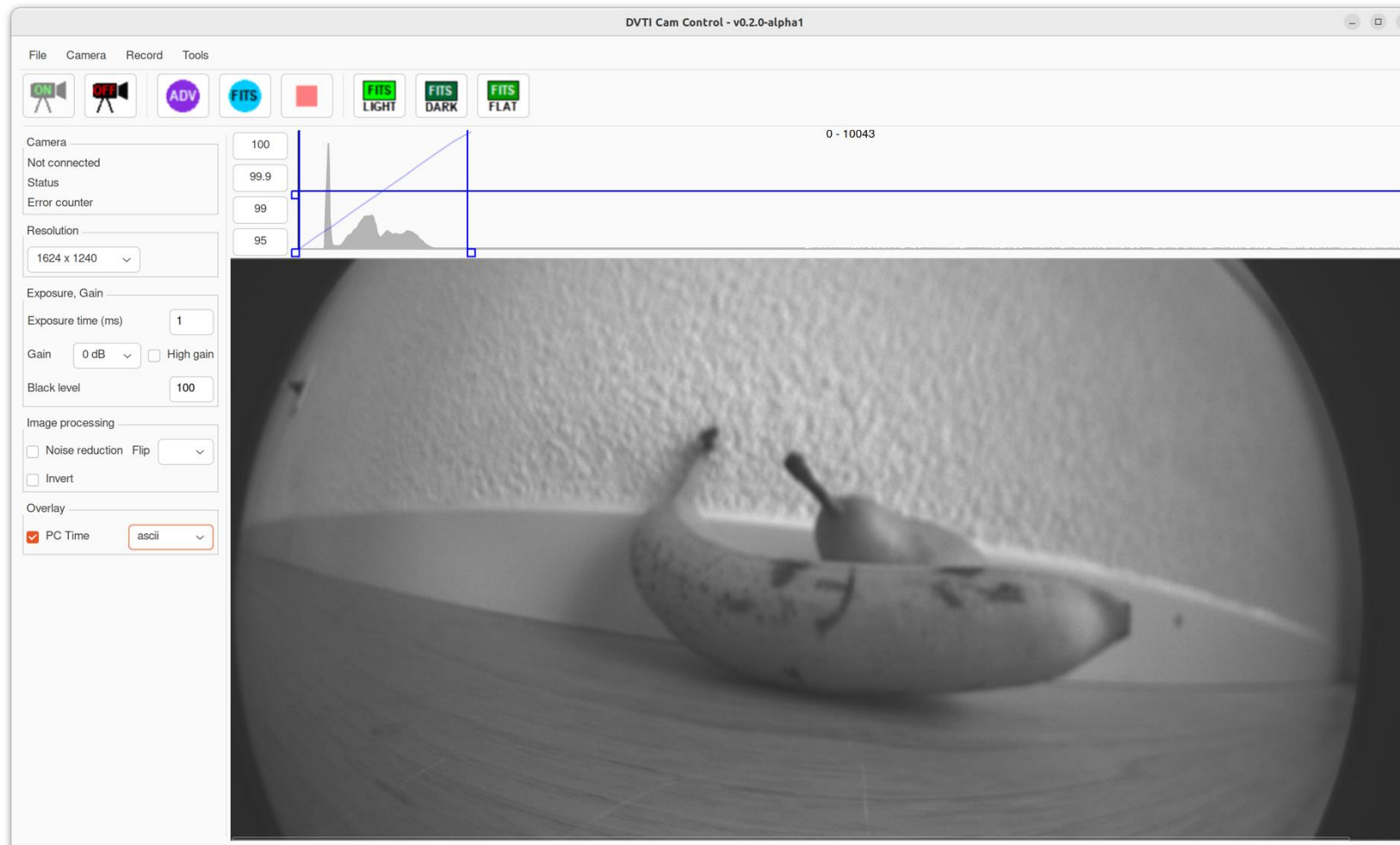
Software

- DVTI Video Tools



Software

- DVTI Cam Control für Linux



Software

- **DVTI Cam Control**
 - Beobachtungs-Planer
 - SNR-Tools
 - Performance-Verbesserungen
 - Verbesserungen für Plate Solving
 - ...

Questions?

Thank you!