Sony IP&S Europe

Dronedge 2022

PRO Business Marketing
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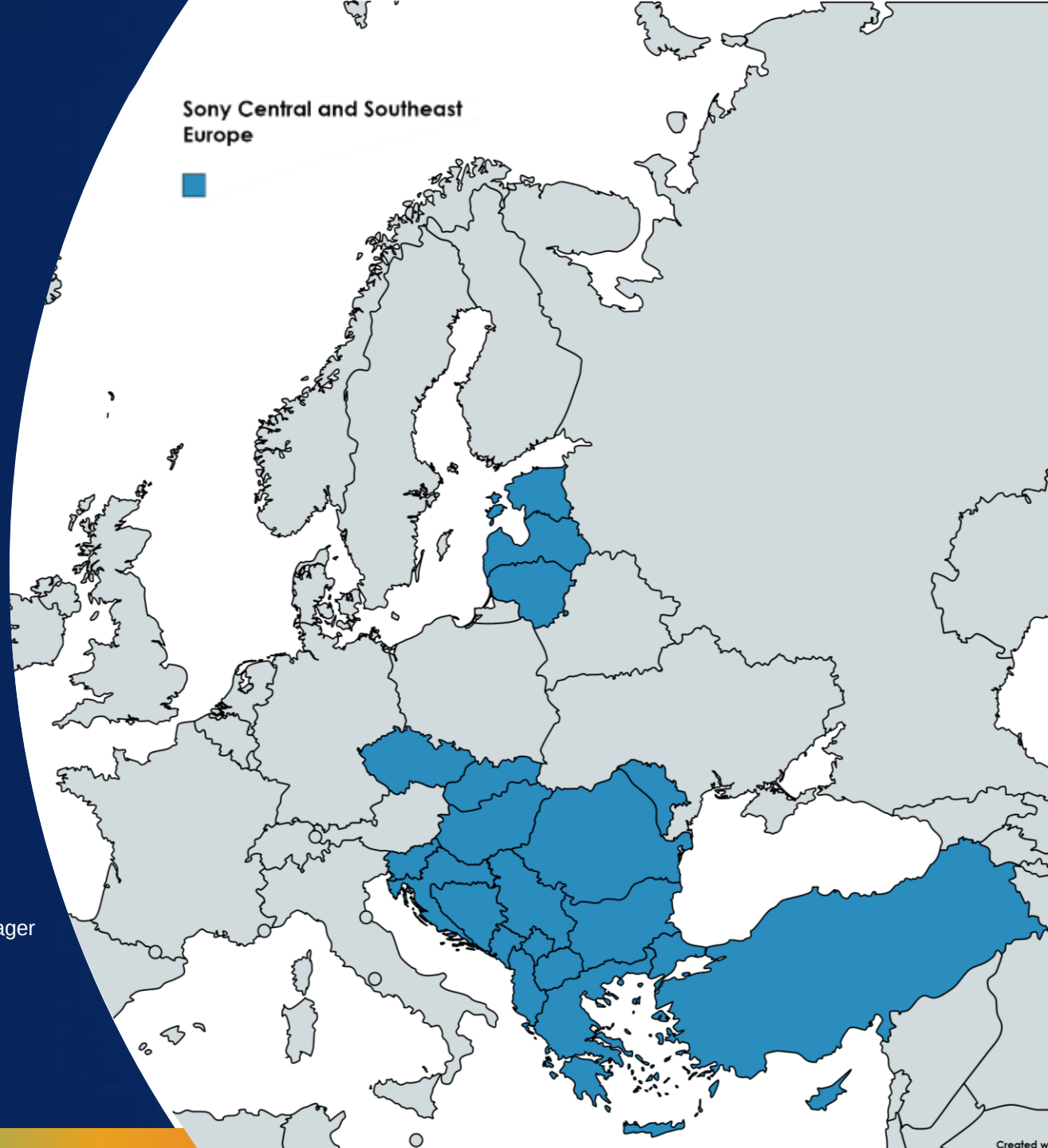
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ISS Business Development Manager



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Welcome

AGENDA

1. Industry applications
2. Industrial camera range
3. Cameras for drone industry
4. SDK
5. References

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SONY B2B industry applications

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Industry applications

01
02
03
04
05

Image quality

Lens

Sensors

Processors

Software

Reliability

Cost

Flexibility

Support


Photogrammetry


Inspection



Highy Resolution & 3D scanning


Media & Content Creation


Security & Surveillance


Drone systems


Transport & Traffic systems


Law Enforcement


Biometry


Low Vision


Medical / Operating lamps

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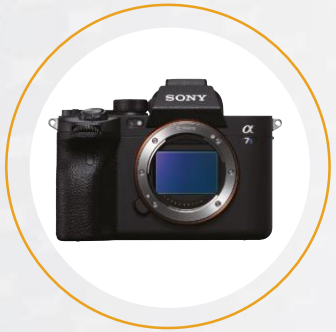


Industrial camera range

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Industrial camera range

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Interchangeable-lens digital camera

Full-frame and APS-C



Digital System Camera

Ultra Compact
Integrated Optical Zoom



FCB Colour Camera Block

Integrated Optical Zoom
Auto Focus



Machine Vision

Digital Polarised Technology



Machine Vision

Digital Interface USB3.0 Vision / Camera Link / GigE Vision

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Cameras
for drone industry

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Alpha cameras

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- ✓ **High Resolution (up to 61 MP / 240 MP)**
- ✓ **High Speed video (8K/30 fps – 4K/120 fps – FHD/240 fps)**
- ✓ **High sensitivity (up to 409 600)**
- ✓ **SDK Remote Control**
- ✓ **Compact & Light-weight**
- ✓ **Over 68 native E-mount lenses**
- ✓ Interface: USB 3.2, USB 2; HDMI & Ethernet
- ✓ 16 Bit Raw output
- ✓ Real-time Tracking
- ✓ Real-time eye Autofocus
- ✓ Large range of other accessories





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FCB colour block cameras



Full HD / 2MP **4MP** **4K / 8MP**

- ✓ **Industrial grade – working 24 hours / 7 days a week**
- ✓ **Day & Night operation**
- ✓ **Optical zoom – up to 30x**
- ✓ **Narrow Field of View at Tele-end – 2 degrees**
- ✓ **Sony CMOS sensors – size up to 1 inch**
- ✓ **High resolution – up to 4K**
- ✓ Superb sensitivity at low light conditions
- ✓ Auto-focus
- ✓ Image Stabilization
- ✓ Wide Dynamic range
- ✓ Many unique functions for image improvement
- ✓ Interface: HDMI, MIPI & LVDS output / adaptors for HDMI, SDI, USB, IP, …
- ✓ Remote control



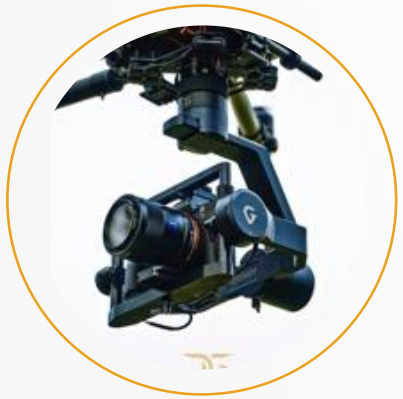
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Integration of Sony cameras into drone systems

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Fixed mount

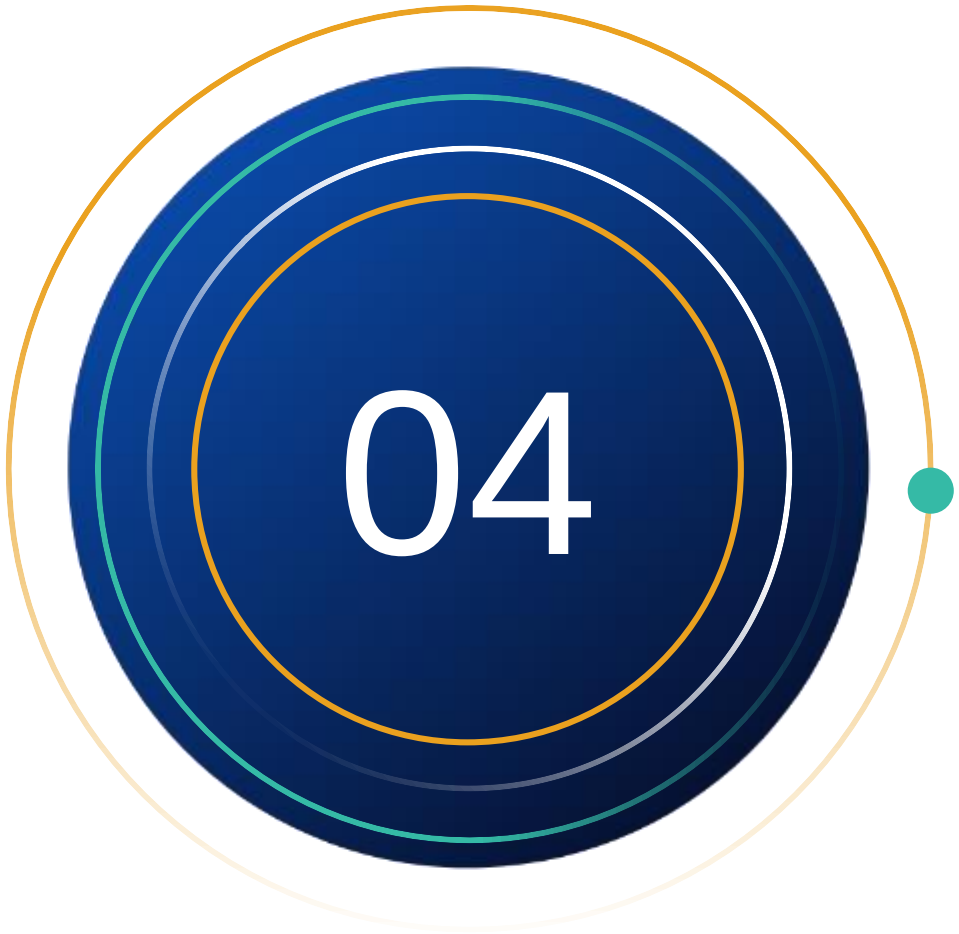


Gimbal mount



Multi-camera systems

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SDK
(Software Development Kit)

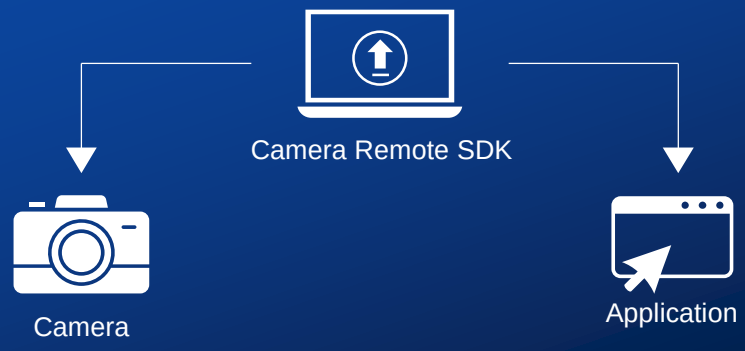
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Software Development Kit

SONY Camera remote SDK

- OS: macOS®, Windows®, Linux®
- Single/multiple Sony cameras
- 102 functions (ongoing development)
  - *Changing camera settings*
  - *Live view monitoring*
  - *Shutter release*
  - *Data downloading*

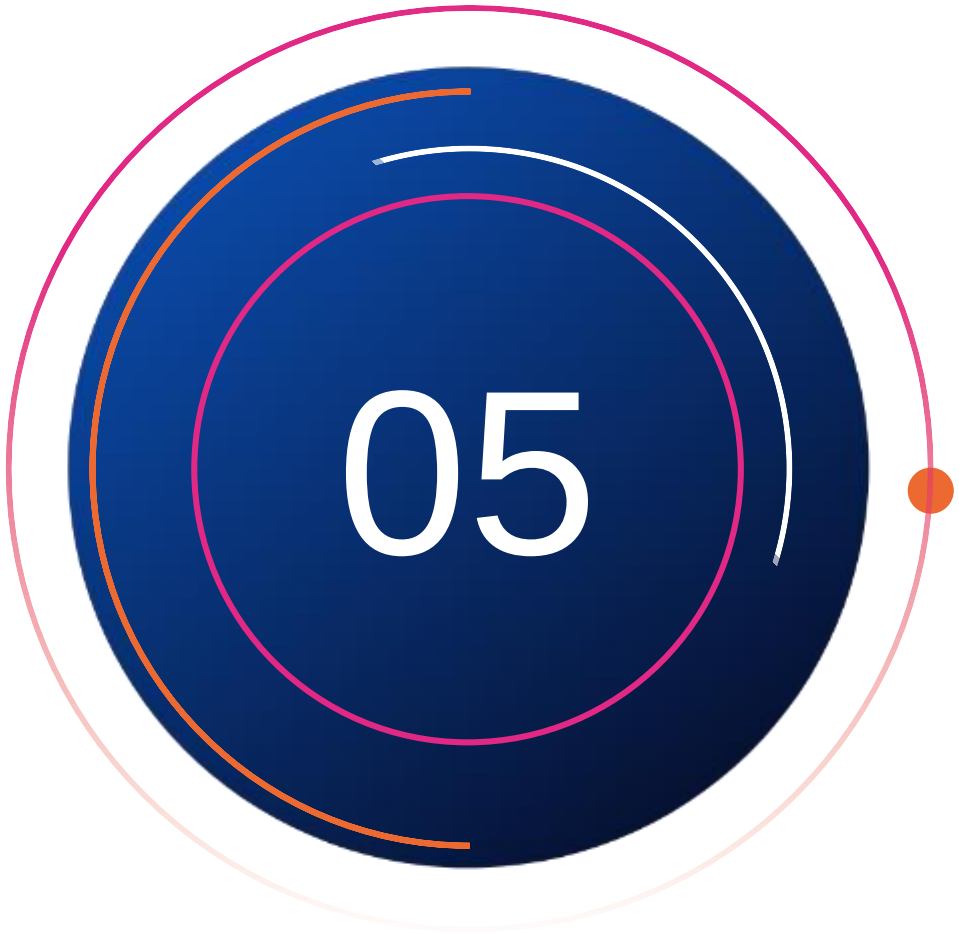


Supported cameras:



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References

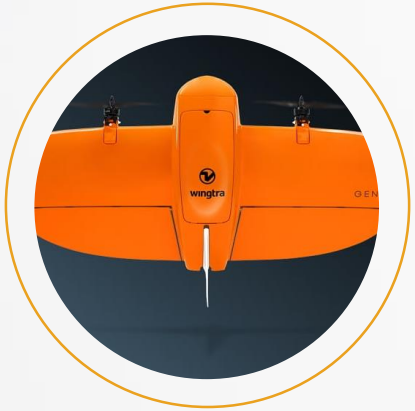
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quantum systems



wingtra



Auterion



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Join the **future** of digital imaging

Let's discuss your needs and find the perfect solution.



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