

PRODUCTS 2019

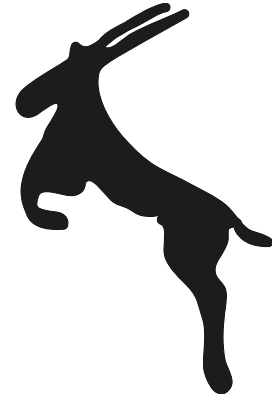


**antelope**  
*CAMERA SYSTEMS*

LIVE BROADCAST  
FEATURE FILM  
SPECIAL DEVELOPMENTS

MICRO CAMERAS  
HIGH SPEED CAMERAS  
BROADCAST ACCESSORIES

[www.antelope-cs.de](http://www.antelope-cs.de)



## Antelope Camera Systems

Antelope Camera Systems is a German manufacturer of premium quality high speed miniature and ultraslowmotion cameras.

The company was named after the Antelope, the fabulous African deer animal. We feel the Antelope analogy fits perfectly, because these animals are not only noted for their keen eyesight, beauty and grace, but their extraordinary speed in running. High speed is also the strength of our cameras providing speeds of up to 5000 fps. Like the Antelope, being a sentinel and always on guard, our high speed cameras record permanently into ring buffer and provide, with a push of the post trigger button, slow-motion live playback. Never miss any special moment again!

In the plains Antelopes can be found living in herds, like our cameras, which perform not only as a single system, but present a whole family of products working harmonically and interchangeably together. Our unique camera system provides the maximum compatibility between controllers and camera heads. Because of this interchangeability Antelope equipment is easy to use and excellent in holding its value in future.

### Made in Germany, used worldwide

Backed by the experience of over 20 years in the broadcast industry, Antelope Camera Systems' pursuit of innovation and its deep technology expertise pushed the limits of size and frame rates in broadcast camera engineering to new standards. Coming from a practical background, we understand the need for the ease of use of broadcast equipment and the importance for its reliability. Antelope Cameras are designed to stand up to the most rigorous demands on location.

high framerates and compact size



**PICO**



**compact**

standard framerates with smallest size and high quality



**ULTRA**



**NANO**



**FEMTO**

broadcast accessories



**COLIBRI**  
REAL TIME DE-FLICKERING



**COBRA LINK**  
PICO

# antelope

PICO



## Broadcast POV Ultra Slow Motion

up to 350 fps highspeed

miniature camera system

permanent live signal

fully remote controllable

integrated deflicker (optional)





The Antelope Pico miniature slow motion and live broadcast camera system offers spectacular extreme slow motion replay and never seen before details from vantage points where larger cameras cannot be mounted.

The Antelope Pico camera records up to 350 frames per second in native HD, and simultaneously supplies a 1080i50/60 signal via HDSDI for line-cut purposes.

The system is based on a 2/3" CMOS 2k chip and provides high detail and unsurpassed light sensitivity. The optional unique deflickering technology (pat. pend.) eliminates lighting related flicker in real-time. Distances up to 80m between camera head and CCU can be covered via a 3-channel BNC cable.

The camera head's extremely small dimensions of 176x 40x 45mm allow unusual camera point of views in feature film, live broadcast, documentary or industrial environment.

Sensor	2/3" CMOS
Resolution	1920x1080
Shutter	Global (1/25 - 1/10000s)
Video	2x HD-SDI LiveOut
Output	2x HDSDI RepOut
Format	23.98p, 24p, 25p, 29.97p, 30p, 50p, 60p, 50i, 59.94i, 60i
Memory	8 GB
Frame rate	up to 350FPS
Sensitivity	ISO 640 ASA
Temperature	-20°C to 50°C
Dimensions	
camera head	176x40x45mm
CCU	288x222x89mm
Weight	
camera head	510g
CCU	2600g



Full remote control with RCP and OCP of slow motion, playout and shading settings. Distances up to 1km can be covered via RS422/RS232, longer distances via fiber conversion. Easy integration in OB vans or studio facilities.



# antelope



*compact*



Compact and lightweight highspeed camera

up to 350 fps highspeed

fully remote controllable

permanent live signal





The Antelope compact camera is a high speed lightweight fully remote controllable broadcast camera, housed in a compact rock solid aluminum body. This very compact camera is capable of frame rates up to 350fps/1080 and is optimized for quick and easy shooting. The Antelope compact camera utilizes two independent HDSDI Video output channels to deliver spectacular slow-motion clips and a continuous live stream at the same time. Permanent live output on the first channel while providing simultaneous instant slow-motion replays on the second channel turn the Antelope compact into a very powerful broadcast tool.

With less than 2,5 kilos, the camera can be mounted on cranes, steady-cam, rail systems and remote heads. In combination with fast moving rail systems or cranes the Antelope Compact provides stunning, never seen before images and opens up endless new possibilities. It is fully remote controllable via RS485/RS232 with OCP and RCP.



Sensor	2/3" CMOS
Resolution	1920x1080
Shutter	Global (1/25 - 1/10000s)
Video output	2x HDSDI LiveOut 2x HD-SDI ReplayOut
Memory	8 GB
Frame rate	up to 350FPS
Sensitivity	ISO 640 ASA
Temperature	-20°C to 50°C
Weight	2100g



**antelope**  
ULTRA



4K Broadcast POV micro camera

2/3" sensor with 4K resolution

fully remote controllable

4K P60 with one single 12G SDI cable

The Antelope Ultra miniature 4K camera offers spectacular 4K footage and never seen before details from vantage points where larger cameras cannot be mounted. The system delivers a 4K/UHD signal up to 60p via one 12G SDI cable and is optimized for live broadcasts, feature film productions, documentaries and industrial environments. Everywhere where smallest size and highest quality is required. It is fully remote controllable, shading and iris control via our OCP controller. Multiple camera systems can be controlled via one OCP.



Image Sensor	CMOS
Resolution	UHD - 3840x2160 4K - 4096 x 2160
Shutter	Rolling shutter (1/25 - 1/10000)
Video output	2x 6G/12G SDI 10 BIT YUV 422 RAW
Video Format	4K/UHD progressive 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
Weight	123g
Dimensions	36x36x79mm



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NANO



HD Broadcast POV micro camera

extremely small size

high dynamic range

excellent light sensitivity



The Antelope Nano miniature live broadcast camera system offers spectacular Full HD footage and never seen before details from vantage points where larger cameras cannot be mounted.

The Antelope Nano camera supports video formats up to 1080/60p. The system is based on a 1/1,2" CMOS chip and provides high detail and unsurpassed light sensitivity. The camera head's extremely small dimensions of 32x32x65 mm allow unusual camera points of view in feature film, live broadcast, documentary or industrial environment.



Image Sensor	1/1,2" CMOS
Resolution	Full HD 1920x1080
Shutter	Global shutter (1/25 - 1/10000)
Video output	2x 3G SDI 10 BIT YUV 422 RAW
Video Format	progressive 23.98, 24, 25, 29.97, 30, 50, 59.94, 60 interlaced 50, 59.94, 60
Dynamic range	60DB + HDR mode
Weight	190g
Dimensions	32x32x65 mm



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FEMTO



Extremely small HD Broadcast POV micro camera

1/2,5" sensor up to 1080p60

fully remote controllable

extremely tiny size 30mm x 30mm x 31mm

The Antelope Femto miniature live broadcast camera system offers spectacular Full HD footage and never seen before details from vantage points where larger cameras cannot be mounted. The Antelope Femto camera supports video formats up to 60p. The system is based on a 1/2.5" CMOS chip and provides high detail and unsurpassed light sensitivity. The camera head's extremely small dimensions of 30x30x31 mm allow unusual camera point of views in feature film, live broadcast, documentary or industrial environment.

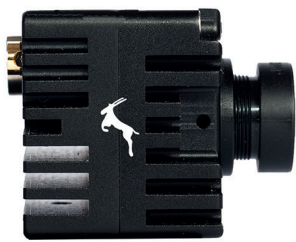


Image Sensor	1/2,5" CMOS
Resolution	Full HD 1920x1080
Shutter	Rolling shutter (1/25 - 1/10000)
Video output	1x 3G SDI 10 BIT YUV 422
Video Format	progressive 23.98, 24, 25, 29.97, 30, 50, 59.94, 60 interlaced 50, 59.94, 60
Weight	45g
Dimensions	30x30x31 mm





# COLIBRI

REAL TIME DE-FLICKERING



real-time highspeed deflicker

deflicker for all highspeed cameras up to 60P

designed and constructed for broadcast events

no deflicker artefacts

The Antelope COLIBRI is a unique REAL-TIME deflicker solution compatible with highspeed camera systems of all brands. It completely eliminates interference between the flickering produced by most artificial lights and the high-speed frame-rate of the camera. The COLIBRI Deflicker removes the flicker/frame rate conflict in real time using our patent pending algorithm.

The COLIBRI Deflicker takes one HDSDI signal and outputs a flicker-free feed in real-time without any visible artefacts. TV Shows with slow motion shots and outside broadcast productions are the perfect applications for the Colibri. It is FPGA-based, comes as a 1HE 19" rack housing and can be mounted in OB-vans or studios.

All adjustments can be done easily with the touch screen display or can be entered with a remote control via RS 485.



Control	front panel touch screen or remote control via RS485 data or LAN
Supported frame-rates for deflicker	70-800 fps
Input	1 HDSDI in
Output	1 HDSDI out processed 1 HDSDI out loopthrough
Updates	via USB connector
Temperature	-20 to +50 degrees C
Dimensions	19" - 1U rack unit (W x H x L) 383 x 44 x 300mm
Weight	3 Kg

High quality deflicker in real-time.  
Any framerate.  
Any format.  
Any time.

# COBRA LINK

PICO



fiber conversion

professional fiber transmission for broadcast applications

customizable signals - HDSDI, data, audio etc.

power via SMPTE with long distances



The Cobra Link Fiber System is a small form factor broadcast transmitter. It transmits video, genlock, audio, data and power. Signal transmission via one single field SMPTE hybrid fiber cable or ST fiber with local power.

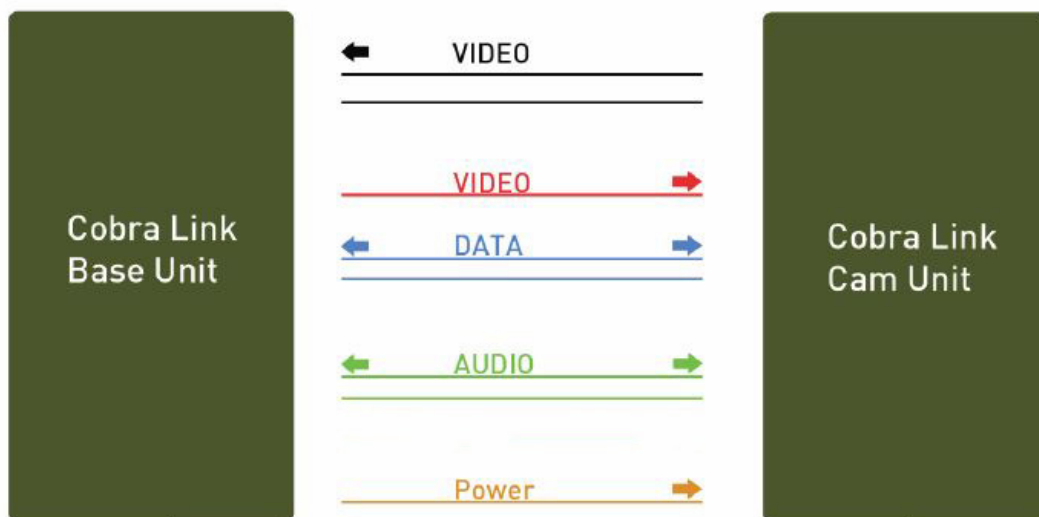
The Cobra Link is specially designed for professional broadcast camera systems.



Custom made solutions free configurable - available signals:

- HD-SDI in both directions
- data
- genlock
- audio
- tally
- power output

Configuration example:



Video, genlock, audio, data and power over one single SMTPE cable.

Antelope products on location:





## Antelope Camera Systems

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