

# Angekis®



# SABER IP20x

FULL Conferencing Camera

## Crystal clear in Full HD

Utilising the highest quality sensors and a multi-glass lens, the Saber delivers class leading optics and crystal clear life like video that makes your video conference feel like you are sitting together in the same room.



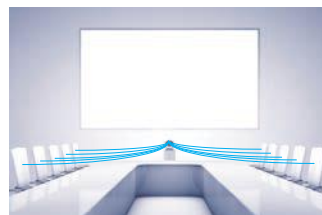
## Ultra Optix

Utilizing advanced imaging technology, Ultraoptix reduces 3D video noise. The result is a balanced image that renders the image with a clarity and sharpness that creates a more defined image.



## 10 Presets and more

Ensure a smooth conference by setting up 10 presets covering every person on the table. Presets can be controlled via the remote or via RS232 where you can set a huge 128 presets.



## All the controls

We've covered every base to ensure you have full flexibility to control the camera near end, far end and with multiple options including:

IR remote,  
Visca and desktop app control NECC.  
RJ45 support control, video stream  
POE-Power Over Ethernet.



## Simultaneous Outputs

We combine IP, HDMI, SDI and USB3.0 whilst also giving you the capability to simultaneously view the USB recording whilst streaming with HDMI output.



## 20x + 2x Zoom

20 x Optical + 2 x Digital zoom gets you up close and personal. Even in a large room this lossless zoom will get right into the details, with smooth motion and accurate precision, with both manual and auto focus options at your fingertips.



## Perfect your lighting

Weird backlighting, the room is dark, super bright lights washing out the image? Adjust the exposure, brightness, backlighting and more on screen all via the remote!



## Multi-Camera control

Advanced integration capabilities are built into the Saber 4K, including an RS-232 port in and out allowing you to control up to 6 cameras simultaneously.



## Plug n Play

Connects to your favourite video conference app, cloud service or audio system via USB. Simply plug the camera into your laptop, PC and Mac. No drivers needed.



## IP Live Streaming

Advertise to the world via IP live streaming connecting to the latest broadcasting platforms including facebook live, youtube live and more, all at the touch of a button.



## 3 Year Warranty

Feel secure knowing your investment is covered well and truly beyond the industry standard. That's how confident we are that you will love our products and that they will last!



# Specifications

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## SABER IP 20x

- Adopts most advanced DSP, 1/2.8 inch 5MP sensor
- 20x Optical Zoom + 2x Digital Zoom, with 60° FOV
- 1080p30 video over IP
- Supports H.264, H.265 encoding; POE
- Outputs: IP, HDMI, SDI and USB3.0
- Able to set IP address via OSD menu with the IR Remote Controller supplied.
- Automatic access to the IP address;
- Special Focusing Algorithm - fast and precise performance when camera's zooming
- WDR, 3D Noise Reduction feature;
- Standard IP Visca, Serial Visca, Pelco-P/D control protocol; IP Visca over TCP/UDP.

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### Connectivity

- DC12V/2.0A
- Power port: HEC3800
- VISCA In/Out RS232
- LAN
- USB3
- SDI
- HDMI

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### Motorized Pan and Tilt

- Pan:  $\pm 170^\circ$
- Tilt:  $90^\circ$  (up)  $-30^\circ$  (down)
- Rotation Speed: Pan - 0 -  $120^\circ/s$ , Tilt - 0 -  $80^\circ/s$
- 10 camera pre-sets via IR Remote Control
- Belt drive technology – twin motors for smooth, quiet and fast movement

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### Video Format

- HDMI – 1080p60/50/30/25, 720p60/50/30/25, 1080i60/50
- IP - 1920x1080p30 (main stream) 1280x720, 704x576, 640x480, 352x288 (sub stream)
- SDI - 1080p60/50/30/25, 720p60/50/30/25, 1080i60/50
- USB3.0 - 1080p60/50/30/25, 720p60/50/30/25,
- USB2.0 – 1024x576p30, 960x540p30, 640x360p30, 352x288p30

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### Control

- 10 via IR Remote Control
- 128 via VISCA Control
- SB UVC FECC and 8 pin mini DIN
- VISCA/Pelco D/ Pelco P Protocol via RS232
- VISCA over IP –TCP/UDP

### Mount

- Camera mount for wall and ceiling (optional for purchase)
- Reverse mountable, standard tripod screw on bottom of unit

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### System Requirements

- Windows® 7/ 8/8.1/10
- Mac OS® X 10.7 or higher
- Google Chrome book version 29.0.1547.70, platform 4319.79.0

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### Power Supply

- Consumption: 12V, 2A
- Max Consumption: 24W

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### Environmental Data

- Working temperature:  $-5 - 45^\circ\text{C}$
- Storage temperature:  $-20 - 60^\circ\text{C}$

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### Dimensions

- Package Dimensions: 310 x 265 x280 mm
- Net Weight: 1.47kg

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### Package Contents

- 1x Camera
- 1x Power Adapter
- 1x Power Cable
- 1x RS232 Control Cable
- 1x USB3.0 Cable
- 1x Remote Controller
- 1x User Manual
- 1x Double-sided Adhesive

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### Warranty

- Camera: 3 Years
- **Straight Swap:** Faulty unit to be replaced with brand new unit if a fault happens in the first 3 months!

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### Compatible Applications

- ZOOM, Adobe Connect, BlueJeans, CyberLink U Meeting®, Cisco WebEx®, Google Hangout, GoToMeeting, Intel® Unite™, Microsoft® Lync™, Skype™, Skype for Business, V-Cube, vMix, WebRTC, Wirecast, XSplit