

Angekis®

# 20X Full NDI®

20X NDI® PTZ Camera



## Crystal clear in Full HD

Utilizing advanced sensors and a multi-lens camera setup, the Saber IP20X Full NDI® delivers class leading optics in crystal clear, Full HD resolution. In person meetings will feel pixelated by comparison.



## NDI Live Streaming

Advanced connectivity options allow high quality live video streaming to the latest broadcasting platforms including Youtube Live, Facebook Live, Twitch, TikTok Live, and more. With Full NDI® video streaming protocol support you can enjoy ultra-low latency, lossless transmission, and interactive control.



## 10 Presets and more

Using only the remote control (included), you can quickly set up 10 preset viewing angles, giving you intuitive and impressive controls over your video. Using RS232 you can access even more advanced options, allowing you to set up to 128 presets.



## All the controls

We've covered every base to ensure you have full flexibility to control the camera at the near end and far end, with a range of control options including a remote, Angekis' custom NECC app, VISCA, RJ45 control, and more.

## Simultaneous Outputs

We combine IP, HDMI, SDI, and USB 3.0 output options while also giving you the capability to simultaneously run your main stream and a sub stream over HDMI.



## Support Line in Audio Input

The Saber IP20X Full NDI® supports Line In audio to streamline your production.



## Perfect your lighting

Dark basement rooms, ultra bright conference rooms, or long meetings where the sun goes up and then comes down are no match for the lighting controls available on the Saber IP20X Full NDI®. Use automatic adjustment for perfect Contrast, Brightness, Saturation and more, or take manual control through the remote control or Angekis' NECC desktop app.



## Multi-Camera control

Advanced integration capabilities are built right into the Saber IP20X Full NDI®, including RS232 in and out, allowing you to control up to 7 cameras simultaneously.



## Plug n Play

The Saber IP20X Full NDI® plugs right into your Mac or PC via USB. Simply plug the camera in, turn on your preferred video conferencing or streaming app, and get started with no extra drivers necessary.



## Ultra Optix

UltraOptix Digital Noise Reduction (DNR) imaging technology reduces 3D video noise through the use of an innovative algorithm that filters out and corrects digital distortions. The result is a balanced image that renders with unrivalled clarity, sharpness, and definition – especially in low light situations.



## 3 Year Warranty

Feel secure in your investment with a class leading 3 year manufacturer's warranty. We're confident in the products we build and are happy to pass that sense of security on to you.



www.angekis.com

# Specifications

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## 20X FULL NDI

- 1080p @ 60fps over NDI®, HDMI, SDI and USB Type-C
- Full HD, 20x Optical Zoom lens at 60 ° FOV
- 20x HD lossless zoom
- Multiple video outputs through HDMI / SDI / NDI® / USB Type-C
- WDR, 3D Noise Reduction feature
- Supports RS232/485 / Visca over IP / Type-C (UVC1.1) / Serial Control
- Supports HTTP, NDI®, VISCA over IP, VISCA TCP, VISCA UDP, VISCA Serial, PELCO-P, PELCO-D Protocols
- Supports Daisy Chain Feature
- Day/Night switch for surveillance market

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### Connectivity

- DC12V/2.0A
- Line in
- VISCA In/Out RS232
- NDI®
- USB Type-C
- SDI
- HDMI

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### Motorized Pan and Tilt

- Pan: ± 170°
- Tilt: 90° (up) -30° (down)
- Rotation Speed: Pan - 0 - 120°/s, Tilt - 0 - 80°/s
- 10 camera presets via IR Remote Control
- Belt drive technology – twin motors with smooth, quiet and fast movement

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### Video Format

- HDMI-  
1920\*1080P60/59.94/50/30/29.97/25/24/23.98  
1920\*1080I60/59.94/50
- SDI-  
1920\*1080P60/59.94/50/30/29.97/25/24/23.98  
1920\*1080I60/59.94/50  
1280\*720P60/59.94/50/30/29.97/25  
1280\*720P60/59.94/50/30/29.97/25
- USB-YUY2 :  
1920\*1080P6; 1280\*960P10;  
1280\*720P13; 1024\*768P16;  
800\*600P25; 640\*480P30;
- USB-MJPG :  
1920\*1080P30; 1280\*960P30;  
1280\*720P30; 1024\*768P30;  
800\*600P30; 640\*480P30;
- NDI®-  
1920\*1080P60/59.94/50/30/29.97/25/24/23.98  
1920\*1080I60/59.94/50  
1280\*720P60/59.94/50/30/29.97/25

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### Controls

- 128 via VISCA Control
- 10 via IR Remote Control
- VISCA/Pelco D/ Pelco P Protocol via RS232

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### Mounting

- Wall and Ceiling Mounts Available
- Reverse Mountable (Upside Down)
- Tripod mounting receiver screw on bottom

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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°C
- Storage temperature: -20 - 60°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 USB2.0 Type-C Cable 1x Remote Control
- 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 Hangouts, GoToMeeting®, Intel® Unite™, Microsoft® Lync™, Skype™, Skype for Business, V-Cube, vMix, WebRTC, Wirecast, XSplit. Microsoft Teams