

Angekis®

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WHY Angekis



Leaders in USB Video Conferencing

Way back in 2011, our team helped pioneer the USB PTZ camera with one of the first of such video conference cameras ever released on the market. Since then our team has continued to pave the way advancing technology in the video conferencing camera industry in the realms of AF, AE, AWB, UVC, camera controllers, and much more. In 2015, we decided to spin off and start our own brand.

Class Leading Warranty

Angekis is built to last. We have the utmost confidence in our design and manufacturing, and back up every product with a class leading 3 year manufacturer's warranty. Your A/V equipment is a long term investment, and when you choose Angekis you can rest assured - we've got you covered.

Award Winning Range

The original Saber camera won Best in Show from the 2016 ISE Expo in Amsterdam – the world's largest A/V industry conference. That meant taking on every world famous brand in the industry and coming out on top. Our technology won another award in 2018 with the introduction of the revolutionary Saber Auto Pilot, recognizing its next generation auto tracking as Best in Class.

Easy Integration

Angekis products are tested for compatibility with a wide range of hardware and software. Whether you prefer Skype, Zoom, MS Teams, Tencent Meeting, Google Hangouts, or any other videoconferencing solution, chances are that Angekis A/V equipment offers plug and play compatibility. And if you're not sure? Just contact us and we'll help you test it.

Complete Solution

Angekis offers a range of products with versatile integration capabilities. Whether you want something simple like video, control, and power through a single USB 3.0 cable (Saber Light), or to daisy chain a string of super high performance cameras into an advanced control console over RS232 (Saber Plus), or just need a reliable speakerphone that sounds great (Cleartalk Wireless ASP-04) - we have a solution for you.



COMPACT ONE

4K clarity, built-in microphones, group auto-framing, and auto-tracking in a compact package.

Group Autoframing

Let the Compact One do the work with group auto-framing. As people join your meeting the camera will automatically adjust to get everyone in the picture.

Metal Housing

CNC machined with a fingerprint-proof, anodized matte surface finish. Elegant, conveniently sized, and a beautiful addition to any space.

Plug and Play

Enjoy a seamless experience with your go-to video conferencing app. One cable gives you audio, video, and power. Plug it into a USB-B port and you're good to go!

Exceptional Outputs & Controls:

Connects via USB-B. Controlled via IR remote control. Zoom in, zoom out, change the brightness, select a focus, or hand over the automatic adjustment program.

Model	Compact One ACO-01		
Sensor	1/2.8 inch high quality 8.42 megapixel SONY CMOS sensor		
Video Format	YUY2/NV12: 1280*720 @ 15fps; 1024*576 @ 20fps; 640*480 @ 30fps		
	MJPG: 3840*2160 @ 30fps; 2560*1440 @ 30fps; 1920*1080 @ 30fps; 1280*720 @ 30fps; 1024*576 @ 30fps; 640*480 @ 30fps		
	H.264/H.265: 3840*2160@30; 2560*1440@30; 1920*1080@30; 1280*720; 30; 1024*576@30; 640*480@30		
Video Interface	USB 2.0 typeB	Control Port	USB 2.0 (UVC/UAC)
Optical Zoom	12 megapixel fixed lens	S/N Ratio	>50dB
Digital Zoom	4X	Focal Length	f=2.20mm
Polar distance	3—5 meters	Minimum Lux.	0.1 lux
Sensitivity	-26±2dB RL=2.2KQVs=2.0V	White Balance	Auto/Manua
Input Voltage	4.4~5.25V@500mA (USB port)	Iris	F2.2
Dimensions (LxWxH)	115mm x 36mm x 60mm		
Field of View	120°	Anti-Flicker	50HZ/60HZ/OFF
Sensor Resolution	8.42 megapixel	WDR	Supported
Casing	CNC Anodized Metal	Net Weight	0.37KG

Features and Specifications

- Ultra HD 4K video over USB 3.0 Type-B
- 2 x built-in microphones
- Image Sensor: 1 / 2.8 inch 8MP
- Driver-free instant connectivity (UVC 1.5)
- Autoframing on chip
- ePTZ autotracking on chip
- 4x lossless digital zoom
- 120 degree FOV
- Compatible with Windows, OSX, Linux, and Android (over YUY2 VGA)



Only Angekis Delivers

- Ultra Optix Digital Noise Reduction (DNR) image technology keeps your image sharp and clear – even in low light settings.
- Angekis' group autoframing algorithm gets your whole team together - automatically.
- Tested for compatibility with all major video conferencing platforms.
- Built-in monitor mount



ONE TOUCH AOT-01



4K Video, Dynamic Audio, and Mic. 1 Cable. 1 Touch.

Seamless. It's a word we like to hear when discussing A/V setups. The Angekis One Touch all in one Video and Audio Bar gives you exactly that. Boasting a 4 x beam forming microphone array, 4K video, group auto-framing, 92 dB speakers, and a simple plug and play USB-C connector to handle audio, video, and control, with the Angekis One Touch you've got a solution that works ... with just one touch.

HD Voice With Angekis Audio Processing Technology

- Advanced audio processing algorithm samples, processes, and refines the spatial characteristics of the sound field.
- Digital noise reduction cleans up ambient sound, refining and cleaning up your audio.
- 360° intelligent sound pickup gives you 3 meters of excellent microphone clarity, and works very well up to 5 meters.
- 48KHz uplink and 48KHz downlink audio sampling rate.
- Perfect full-duplex simultaneous two way communication makes your conversations sound clear and natural.
- Ultra high fidelity voice.
- Room filling sound up to 92dB (at 0.5m).

4K Conferencing Video Capture With Real Life Clarity

The 4K, 2160p camera provides exceptional video for online meetings and video streaming, with real time synchronization, fluid movement capture, and smooth framing. It is compatible with all major video conferencing software, including Skype, Zoom, MS Teams, etc., and fits neatly above or below your screen.

One Touch

Enjoy quick and versatile deployment. A single USB-C connection gives you instant audio and video, plug and play style. No need for any separate microphones, speakers, or cables to clutter the table.

Model		OneTouch AOT-01
Sensor		1/2.8 inch high quality, 8.42 megapixel SONY CMOS sensor
Video Interface	USB-C	3840*2160@30/25/20/15/10/5fps 2592*1944@30/25/20/15/10/5fps 2048*1536@30/25/20/15/10/5fps 1600*1200@30/25/20/15/10/5fps 1920*1080@30/25/20/15/10/5fps 1280*720@30/25/20/15/10/5fps 1024*576@30/25/20/15/10/5 960*540@30/25/20/15/10/5fps
Optical Zoom		12 megapixel fixed lens
Digital Zoom		5x
FOV		120°
Sensor Resolution		8.42 megapixel
Control Port		USB-C
Video Port		USB-C
S/N Ratio		>50dB
Focal Length		f=2.20mm
Minimum Lux.		0.1 lux
White Balance		Auto/Manual/Indoor/Outdoor
Iris		F2.2
Anti-Flicker		50HZ/60HZ/OFF
WDR		Supported
Polar Distance		3~5meters
USB Audio		Supported
Sensitivity		38dB 94dB SPL@1KHz
Input Volatage		DC port/PoE (Optional)
Dimensions		395mm x 113mmx 112mm
Net Weight		1KG (2.2Lbs)

Group Autoframing

Let One Touch do the work with group auto-framing. As people join your meeting the camera will automatically frame them into view!

Features:

- 120° wide-angle, distortionless video supporting MJPG, H.264, H.265 and 4K @30fps.
- 5 x Digital Zoom in Full HD.
- 4 x beam forming microphone array
- Full duplex, high fidelity conference audio. As seamless and natural as real life.
- High fidelity and dynamic noise reduction makes your audio crystal clear.
- USB HID Reverse control lets you control your computer setting through the device.
- New Angekis audio processing algorithm.
- 360° coverage, 3-5 meter range pickup, 384ms echo cancellation and dynamic noise reduction.
- Group auto-framing with smooth as silk transitions.
- Comes with a built in mount, but can also accept wall adapter and other options.

SABER 4K

Saber-12UFHD36

Saber 4K Saber-12UFHD36		
HDMI (V1.4)	3840*2160p @ 30/25fps 1920*1080p @ 60/50/30/25/59.94/29.97/24fps 1920*1080i @ 60/50/59.94fps 1280*720p @ 60/50/30/25/59.94/29.97fps	
SDI	1920*1080p @ 60/50/30/25/59.94/29.97/24fps 1920*1080i @ 60/50/59.94fps 1280*720p @ 60/50/30/25/59.94/29.97fps	
USB	1920*1080p @ 60/50/30/25fps (USB3.0) 1280*720p @ 60/50/30fps (USB3.0) 1280*720p @ 25fps (USB3.0 & USB2.0) 1024*576p @ 30fps (USB3.0 & USB2.0) 960*540p @ 30fps (USB2.0) 640*360p @ 30fps (USB2.0) 512*288p @ 30fps (USB2.0)	
RJ45	3840*2160@1~30/ 1920*1080@1~30 (Main Stream) 1280*720@1~30 / 1027*576@1~30 / 640*360@1~30 (Sub stream)	
HDMI (V1.4), SDI, RJ45, USB3.0, USB2.0		
1/2.5 inch 8.5MP CMOS sensor		
f3.92~ 47.32mm(12x), F1.8- 2.8, View Angle: 72.5° (Far) - 6.3° (Near)		
Pan: -170° ~ +170°; Tilt: -30° ~ +90°		
Pan: 0°~120°/s ; Tilt: 0°~80°/s	Preset	Remote control: 10; RS232: 128; Accuracy: 0.1°
RS232 / RS485 (optional) / RJ45 (VISCA over IP) / UVC	IP Protocol	TCP/IP, HTTP, RTSP, DHCP, RTMP, Onvif
1000M	Minimum Lux	0.01 lux
H.264/H.265(default: H.264)	White Balance	Auto / Indoor / Outdoor / Manual / Outauto / Sodium Lamp Auto / Sodium Lamp
Variable Bit Rate, Constant Bit Rate	Exposure	Auto / Manual / Bright / Shutter / Iris
0Kbps-15360Kbps	Focus	Auto / Manual
OFF / 50Hz / 60Hz	Iris	Auto / Manual
Supported	Electric Shutter	Auto / Manual
DC12V / PoE	Gamma	Supported
220mm x 190mm x 173mm	WDR	Supported
1.8KG (3.98LBS)	BLC	Supported
Supported	3D Noise Reduction	Supported
Support RS232 Serial Daisy Chain	POE	Supported



The Saber 4K provides cutting edge 4K, ultra high definition video over HDMI and IP. The trend towards bigger and better resolution is coming as fast as ever. Future proof your conference room and live event streaming with Angekis.



The Saber 4K is a professional grade Ultra HD video camera that supports IP/LAN, HDMI, SDI, RS232 in/out and USB 3.0 outputs. This versatility and range of integration options is ideal for broadcasting, high end video conferencing and video surveillance applications.

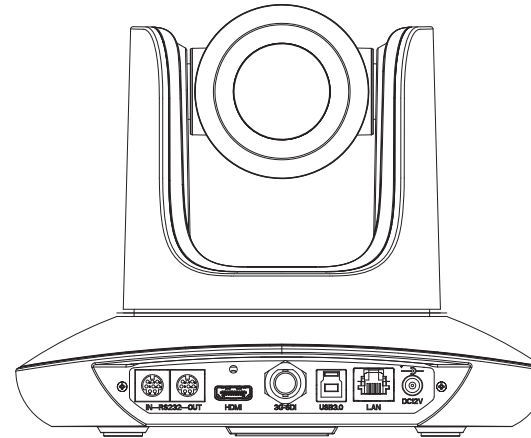
Features:

- Outputs: IP, HDMI, RS232 in & out, SDI, USB 3.0 and LAN
- 128 Presets
- 12x Optical Zoom + 2x Digital Zoom, 72.5°field of view
- Supports RS232/485 Serial Control
- 3840 x 2160p @ 30 fps Ultra HD Video Resolution
- Sony VISCA and PELCO P/D Protocol
- Automatic access to IP Address
- Supports Daisy Chain Feature
- Smooth PTZ Mechanical Design
- Day/night switch for surveillance applications
- Reverse Ceiling Mountable
- Accurate Pan Tilt Motor Control
- WDR, 3D Noise Reduction feature

SABER IP 20X

IP-20FHD60

Model	Saber IP20X IP-20FHD60		
Video Format	HDMI(V1.4)	1920*1080p @ 60/50/30/25/59.94/29.97/24fps 1920*1080i @ 60/50/59.94fps 1280*720p @ 60/50/30/25/59.94/29.97fps	
	SDI	1920*1080p @ 60/50/30/25/59.94/29.97/24fps 1920*1080i @ 60/50/59.94fps 1280*720p @ 60/50/30/25/59.94/29.97fps	
	USB	1920*1080p @ 60/50/30/25fps (USB3.0) 1280*720p @ 60/50/30fps (USB 3.0) 1280*720p @ 25fps (USB3.0 & USB2.0) 1024*576p @ 30fps (USB3.0 & USB2.0) 960*540p @ 30fps (USB2.0) 640*360p @ 30fps (USB2.0) 512*288p @ 30fps (USB2.0)	
	RJ45	1920*1080 @ 1~60fps (Main Stream) 1280*720@1~30 / 1027*576fps @ 1~30fps / 640*360 @	
Video Interface	HDMI (V1.4), SDI, LAN, USB 3.0		
Sensor	1/2.8 inch 8.42MP CMOS sensor		
Zoom	f3.92~ 47.32mm(12x), F1.8- 2.8, View Angle:60° (Far)-4.3° (Near)		
Rotation Angle	Pan: -170° ~ +170°; Tilt: -30° - +90°		
Rotation Speed	Pan: 0°~120°/s ; Tilt: 0°~80 /s	White Balance	Auto/Indoor/Outdoor/Manual/ Outauto/Sodium Lamp Auto/ Sodium Lamp
Preset	Remote controller:10; RS232:128; Accuracy:0.1°	Exposure	Auto/Manual/ Bright/Shutter/Iris
IP Protocol	TCP/IP, HTTP, RTSP, DHCP, RTMP, Onvif (RTMP, Onvif will be available in next version)	Control Port	RS232 / RS485 (optional) / RJ45 (VISCA over IP) / USB 3.0 (UVC1.5) / USB 2.0 (UVC1.1)
Network Speed	1000M	Iris	Auto / Manual
Video encode	H.264/H.265(default: H.264)		
Bit Rate Control	Variable Bit Rate, Constant Bit Rate	Gamma	Supported
Video Bit Rate	0Kbps-15360Kbps	WDR	Supported
Focus	Auto / Manual	BLC	Supported
POE	Supported	2D Noise Reduction	Supported
Daisy Chain	Support RS232 serial daisy chain	3D Noise Reduction	Supported
Minimum Lux	0.01 Lux	Anti Flicker	OFF/50Hz/60Hz
Dimension	220mm x 190mm x 173mm	Pan Tilt Flip	Supported
Net Weight	1.8KG (3.98LBS)	Input Voltage	DC12V/POE



The Livestreaming Camera with Versatility

Professional IP livestreaming with 20x zoom. High end performance and incredible connectivity at an unparalleled value. The Saber IP20X Full HD camera offers smooth pan and tilt movement with a powerful 20x zoom. With a versatile range of interface options and compatibilities, the Saber IP20X easily integrates into your broader A/V setup. Its capabilities give you the power to cover the largest conference rooms, lecture halls, and auditoriums with lightning fast video over IP.

Advantages:

- Full HD video: with advanced 1/2.8 inch 8MP sensor and high quality 20x lens
- Fast switching between different video formats: 3 seconds or under
- Fast and accurate autofocus
- Easy firmware upgrade (field-upgradable): no need to open the camera housing
- USB 2.0 compatible
- Daisy Chain function: Up to 7 devices with RS232
- Compatible with the majority of videoconferencing software (UVC1.1 protocol standard)
- Multi language OSD menu: supports English, Chinese, Russian, Spanish

Features:

- USB 3.0 & HDMI & IP & SDI simultaneous output
- Zoom: 20x Optical Zoom + 2x Digital Zoom
- High resolution video: 1920x1080p @ 60fps
- 57.4 Degree field of view:
- Ultra smooth PTZ mechanism
- Accurate PT motor control
- Up to 128 presets
- Effective RS232/485 serial control.
- WDR, 3D-noise reduction function
- Mounts: Wall mount & ceiling mount available
- Sony Visca and Pelco P/D protocol controls



Now Available in White

SABER PLUS

U3D-12FHD6

Model	Saber Plus U3D-12FHD6		
Video Format	HDMI(V1.4)	1920*1080p @ 60/50/30/25/59.94/29.97/24fps 1920*1080i @ 60/50/59.94fps 1280*720p @ 60/50/30/25/59.94/29.97fps	
	SDI	1920*1080P60/50/30/25/59.94/29.97/24 1920*1080160/50/59.94 1280*720P60/50/30/25/59.94/29.97	
	USB	1920*1080p @ 60/50/30/25fps (USB3.0) 1280*720p @ 60/50/30fps (USB3.0) 1280*720p @ 25fps (USB3.0 & USB2.0) 1024*576p @ 30fps (USB3.0 & USB2.0) 960*540p @ 30fps (USB2.0) 640*360p @ 30fps (USB2.0) 512*288p @ 30fps (USB2.0)	
	RJ45	1920*1080 @ 1-30 (Main Stream) 1280*720 @ 1~30fps / 1027*576 @ 1~30fps / 640*360 @ 1~30fps (Substream)	
Video Interface	HDMI (V1.4), SDI, RJ45, USB 3.0		
Sensor	1/2.8 inch 8.5MP CMOS sensor		
Zoom	f3.92~ 47.32mm(12x), F1.8- 2.8, View Angle: 72.5°(Far) - 6.3°(Near)		
Rotation Angle	Pan: -170° ~ +170°; Tilt: -30° - +90°		
Control Port	RS232 / RS485 (optional) / RJ45 (VISCA over IP) / UVC	IP Protocol	TCP/IP, HTTP, RTSP, DHCP, RTMP, Onvif
White Balance	Auto/Indoor/Outdoor/ Manual/Outauto/ Sodium Lamp Aut/ Sodium Lamp	Exposure	Auto/Manual/ Bright/Shutter/Iris
Preset	Remote controller: 10; RS232: 128; Accuracy: 0.2°	Focus	Auto / Manual
Rotation Speed	Pan: 0°~120°/s ; Tilt: 0°~80/s	Iris	Auto / Manual
Network Speed	1000M		
Video encode	IP--H.264/ H.265 (default: H.264)	Gamma	Supported
Bit Rate Control	Variable Bit Rate, Constant Bit Rate	WDR	Supported
Video Bit Rate	0Kbps-15360Kbps	BLC	Supported
Pan Tilt Flip	Supported	2D Noise Reduction	Supported
POE	Supported	3D Noise Reduction	Supported
Daisy Chain	Supports RS232 serial daisy chain	BLC	Supported
Minimum Lux	0.01 lux	Input Voltage	DC12V/POE
Dimension	220mmx190mmx173mm	Net Weight	1.8KG (3.98LBS)

Technical Specifications

- Video Format: 1080p59.94/50/29.97/25; 720p59.94/50/29.97/25
- Video Output: USB3.0 HDMI, SDI, IP.
- Sensor: 1/2.5 inch 8.5MP CMOS sensor, providing 1920x1080P @60fps.
- Lens: f3.9-6.1mm (12x Zoom), F1.8 – 2.8.
- Field of View: 72.5°.
- Rotation Angle: Pan rotation: ±170°; Tilt rotation: -30°~+90°, support up-side down installation.
- Pan speed:0.1°-150°/s; Tilt speed: 0.1°- 80°/s.
- Pre-set: 10 via IR remote setting, (255 via COM setting, pre-set accuracy: 0.2°.
- Support Auto/Manual White Balance, Auto/Manual Exposure (Iris, Shutter).
- Control signal port: USB UVC FECC and 8 pin mini DIN-RS232-VISCA/Pelco-D/Pelco-P protocol.
- Max consumption: 24W.
- Working temperature: -5 - 45°C, Storage temperature: -20 - 60°C.
- Net weight: 1.5KG.
- Dimension: 220x190x173 mm.



Onscreen controls allow settings to be adjusted via keyboard & mouse (or remotely)



All models are reverse mountable

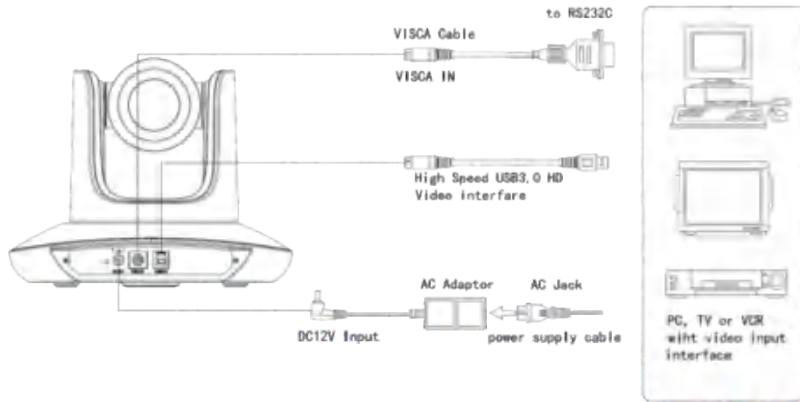
Winner of Best USB PTZ Camera Award at the 2016 ISE Expo in the Netherlands. The first direct connect USB 3.0 HD PTZ video conference camera with desktop NECC app control. The Saber offers superior performance at an unparalleled price.

- Sleek and intelligent design.
- Crystal clear HD image quality via IP, HDMI, SDI and USB 3.0.
- Low light ability. Excellent image quality even at low lux of 0.01 lux.
- IP, HDMI & USB3.0 simultaneous output.
- Far End Camera Control (FECC) via USB 3.0.
- Desktop app control software included to control the camera and video settings.
- Visca control.
- Utilizing belt drive technology the twin motors of the PTZ are ultra quiet, smooth and provide fast movement.
- Larger FOV at 72.5 degree with no video distortion.
- 2D and 3D DNR offers exceptional video quality and automatic lighting adjustment.
- Fully operational remote control with power function, setting the camera back to the start position.
- Reverse mountable, tripod screw thread at the bottom.



SABER LIGHT 5X

U3-5FHD6



Everything you love about the Saber but at a lean, mean price.
Can be powered solely through the USB 3.0 port.

Model	Saber Light U3-5FHD6		
Video Format (YUY2)	USB 3.0	1080p @ 60/50/30/25fps 720p @ 60/50/30/25fps 1024x576 @ 30fps 960x540 @ 30fps 640x360 @ 30fps	
Video Interface	USB 3.0		
Sensor	1/2.8 inch high quality CMOS sensor		
Lens	3.1 ~15.5mm(5x), F1.8 ~2.8, Field of View: 90°(wide)-20°(tele)		
Pan/tilt Rotation	Pan:± 170°, Tilt:-30°~+90°; reverse mountable		
Pan/tilt Speed	Pan: 0.1 ° - 120 °/s; Tilt: 0.1 °-80°/s		
Presets	10 via IR remote setting, 128 via VISCA control, preset accuracy: 0.2°		
Control Port	RS232 / RS485, USB 3.0 / USB 2.0		
White Balance	Auto / Manual / AutoTracking / OnePush / Indoor / Outdoor / Sodium Lamp / Fluorescent Lamp		
Focus	Auto/Manual	2D Noise Reduction	Supported
Iris	Auto/Manual	3D Noise Reduction	Supported
		Gamma Setting	Supported
WDR	Supported	Mirror Image	Supported
BLC	Supported	Anti Flicker	Supported
Input Voltage	5V 1000Ma (USB 3.0) 12V DC1A(Power Adapter)	Min. Lux	0.01 Lux
Dimensions	220mmx190mmx173mm	New Weight	1.25KG(2.8LBS)

Product Highlights:

- The same amazing award winning image quality as the rest of the original Saber Series.
- Power, Video, and Control over a single USB 3.0 (note: to achieve stable power supply via USB 3.0 cable, we suggest only using the 3m USB 3.0 cable supplied by the factory)
- Advanced DSP, 1/2.8 inch 5MP image sensor, and high quality 5x zoom 90 degree FOV optical lens, provides fluid motion and a crystal clear image.
- 90 degree FOV
- 5x Optical Zoom + 2x Digital Zoom.
- Fast and accurate autofocus performance
- Easy firmware upgrades

SABER U2

U2-10FHD30

Effortless elegance with incredible zoom. 12x optical plus 12x digital zoom plus USB 2.0 compatibility means you'll never miss a thing.

12x Optical + 12x Digital Zoom

12x Optical + 12x Digital zoom gets you up close and personal. Even in the largest conference rooms, the Saber U2's zoom capabilities will give you the power to see everything with incredible detail. With both manual and auto focus options at your fingertips, your video conferencing equipment will be as detail oriented as your team.

72.5° FOV

With a 72.5° FOV you can fit the whole team on one field. Enjoy the wide view, or use the lossless zoom to zoom in on a particular person or object. Angekis products are capable, reliable, and beautiful. Get the most out of your workspace while improving the aesthetic atmosphere.

Effortless Elegance

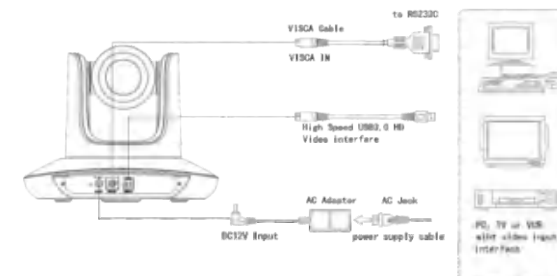
The Saber U2 is a plug and play device that is instantly compatible with your favorite video conferencing software, as well as any hardware running UVC 1.5. It works with just about any Windows, OSX, Android, or Linux device without needing to install drivers. We've also chosen to use USB 2.0 on the Saber U2 in order to make it easy for people running older devices to stay current when it comes to their A/V. You know what they say: Keep It Simple, Silly.

Model	Saber U2 U2-12FHD30	
Video Format	MJPG	1080p @ 30fps, 720p @ 30fps, 640*480p @ 30fps
Video Interface	USB 2.0	
Sensor	1/2.8 inch high quality 5MP CMOS sensor	
Lens	F3.92~47.32mm(12x), F1.8 -14, Field of view: 72.5°(wide)-6.3°(tele)	
Pan/tilt Rotation	Pan:±170°; Tilt:-30°~+90°, reverse mountable	
Pan/tilt Speed	Pan: 0.1°-120%; Tilt: 0.1°-80%	
Preset	10 via IR remote setting, 128 via VISCA control, preset accuracy: 0.1°	
Control Port	RS232,RS485 UVC	
Min. Lux	0.01 Lux	
White Balance	Auto/Manual	
Focus	Auto/Manual	
Iris	Auto/Manual	
WDR	Supported	
BLC	Supported	
2D Noise Reduction	Supported	
3D Noise Reduction	Supported	
Input Voltage	DC12V	
Dimension	148mm x 132mm x 161mm	
Net weight	1.25KG (2.8LBS)	



Specifications:

- Video: MJPG 1080p @ 30fps
- Video Connection: USB 2.0
- Control: RS232/485
- 1/2.8 inch 5MP image sensor
- UVC 1.5 Protocol
- 12x Optical + 12x Digital Zoom
- Lens: F3.92~47.32mm (12x)
- F1.8-14
- FOV = 72.5° (wide) 6.3° (tele)



NDI[®]

CAMERA RANGE



SABER 4K NDI : NDI-12UFHD36



SABER IP 20X NDI : NDI-20FHD60

NDI Low Latency Protocol

With Angekis cameras being recognized for their class leading video imaging and auxiliary technologies, it makes perfect sense to merge these capabilities with Newtek's NDI video over IP. Angekis Saber IP and Saber 4K PTZ cameras now come in NDI versions.

Angekis NDI PTZ cameras include 4K and 1080p Full HD versions with cameras ranging from 12x to 20x optical zoom.

Both the Saber 4K NDI and Saber IP 20x combine full spectrum video output interfaces (including NDI, 3G-SDI, HDMI and USB 3.0), making them versatile and perfect for use for just about any live streaming application.

All Angekis NDI Cameras support power, video and control via a single Ethernet cable, simplifying setup and installation for live streaming systems. The Angekis NDI range features broadcast frame rates and NDI video output for video production professionals to deploy. Utilizing the latest professional camera control technologies, remote camera operation has never been this easy.

Broadcasters simply connect to an IP network, then connect using professional 3G SDI, Ethernet connected NDI, and/or traditional HDMI, which can all be used simultaneously. Utilising optical zoom lenses up to 20x, video production with Angekis cameras can reliably capture close up shots up to 52' (16 meters) away.



CAMERA RANGE

Saber 4K NDI

Model	Saber 4K NDI NDI-12UFHD36		
Video Format	HDMI(V1.4)	3840*2160p @ 30/25fps 1920*1080p @ 60/50/30/25/59.94/29.97/24fps 1920*1080i @ 60/50/59.94fps 1280*720p @ 60/50/30/25/59.94/29.97fps	
	SDI	1920*1080p @ 60/50/30/25/59.94/29.97/24fps 1920*1080i @ 60/50/59.94fps 1280*720p @ 60/50/30/25/59.94/29.97fps	
	USB	1920*1080p @ 60/50/30/25fps (USB3.0) 1280*720p @ 60/50/30fps (USB3.0) 1280*720p @ 25fps (USB3.0 & USB2.0) 1024*576p @ 30fps (USB3.0 & USB2.0) 960*540p @ 30fps (USB2.0) 640*360p @ 30fps (USB2.0) 512*288p @ 30fps (USB2.0)	
	IP	3840*2160 @ 1~30fps / 1920*1080 @ 1~30fps (Main Stream) 1280*720 @ 1~30fps / 1027*576 @ 1~30fps / 640*360 @ 1~30fps (Substream)	
	NDI	3840*2160 @ 15~30fps, 1920*1080@15~30, 1280*720@15~30, 1027*576@15~30, 640*360@30 (low bandwidth mode)	
Supported Protocol	TCP/IP, HTTP, RTSP, DHCP, RTMP, Onvif (2.4), NDI (V4.0), Visca over IP (TCP & UDP), HTML5, VISCA, Pelco P, Pelco D	Control Port	RS232, RS485, NDI HX (VISCA over IP), UVC
Video Interface	HDMI (V1.4, SDI, NDI/HX, USB3.0, USB2.0)	Exposure	Auto/Manual/Bright/Shutter/Iris
Sensor	1/2.8 inch 8.5MP CMOS sensor	Focus	Auto / Manual
Zoom	f3.92~47.32mm(12X), F1.8- 2.8 View Angle: 72.5°(Far)-6.3°(Near)	Iris	Auto / Manual
Rotation Angle	Pan: -170° ~ +170°; Tilt: -30° ~ +90°		
Rotation Speed	Pan: 0°~120°/s ; Tilt: 0°~80°/s	Gamma	Supported
Preset	Remote controller: 10; RS232: 128; Accuracy: 0.1°	WDR	Supported
Network Speed	1000M	BLC	Supported
Video encode	IP -- H.264/H.265	2D Noise Reduction	Supported
Bit Rate Control	Variable Bit Rate, Constant Bit Rate	3D Noise Reduction	Supported
Video Bit Rate	1024Kbps~20480Kbps	Anti Flicker	OFF/50Hz/60Hz
POE	Supported	Pan Tilt Flip	Supported
Daisy Chain	Support RS232 Serial Daisy Chain	Input Voltage	DC12V/POE(IEEE802.3af)
Minimum Lux	0.1lux	Dimension	220mm × 190mm × 173mm
White Balance	Auto/Indoor/Outdoor/Manual/ Push/Sodium Lamp Auto/ Sodium Lamp	Net Weight	1.5KG

CAMERA RANGE

Saber IP20X NDI

Model	Saber IP20X NDI NDI-20FHD60		
Video Format	HDMI(V1.4)	1920*1080p @ 60/50/30/25/59.94/29.97/24fps 1920*1080i @ 60/50/59.94fps 1280*720p @ 60/50/30/25/59.94/29.97fps	
	SDI	1920*1080p @ 60/50/30/25/59.94/29.97/24fps 1920*1080i @ 60/50/59.94fps 1280*720p @ 60/50/30/25/59.94/29.97fps	
	USB	1920*1080p @ 60/50/30/25fps (USB3.0) 1280*720p @ 60/50/30fps (USB 3.0) 1280*720p @ 25fps (USB3.0 & USB2.0) 1024*576p @ 30fps (USB3.0 & USB2.0) 960*540p @ 30fps (USB2.0) 640*360p @ 30fps (USB2.0) 512*288p @ 30fps (USB2.0)	
	RJ45	1920*1080 @ 1~60fps (Main Stream) 1280*720@1~30 / 1027*576fps @ 1~30fps / 640*360 @ 1~30fps (Sub stream)	
Video Interface	HDMI (V1.4), SDI, LAN, USB 3.0		
Sensor	1/2.8 inch 8.42MP CMOS sensor		
Zoom	f3.92~ 47.32mm(12x), F1.8- 2.8, View Angle:60° (Far)-4.3° (Near)		
Rotation Angle	Pan: -170° ~ +170°; Tilt: -30° - +90°		
Rotation Speed	Pan: 0°~120°/s ; Tilt: 0°~80 /s	White Balance	Auto/Indoor/Outdoor/Manual/ Outauto/Sodium Lamp Auto/ Sodium Lamp
Preset	Remote controller: 10; RS232: 128; Accuracy: 0.1°	Exposure	Auto/Manual/Bright/Shutter/Iris
IP Protocol	TCP/IP, HTTP, RTSP, DHCP, RTMP, Onvif (RTMP, Onvif will be available in next version)	Control Port	RS232 / RS485 (optional) / RJ45 (VISCA over IP) / USB 3.0 (UVC1.5) / USB 2.0 (UVC1.1)
Network Speed	1000M	Iris	Auto / Manual
Video encode	H.264/H.265(default: H.264)		
Bit Rate Control	Variable Bit Rate, Constant Bit Rate	Gamma	Supported
Video Bit Rate	0Kbps-15360Kbps	WDR	Supported
Focus	Auto / Manual	BLC	Supported
POE	Supported	2D Noise Reduction	Supported
Daisy Chain	Support RS232 serial daisy chain	3D Noise Reduction	Supported
Minimum Lux	0.01 Lux	Anti Flicker	Supported
Dimension	220mm x 190mm x 173mm	Pan Tilt Flip	Supported
Net Weight	1.8KG (3.98LBS)	Input Voltage	Supported

Introducing the all new BLADE.

The new Angekis Blade range gets a complete redesign.

This isn't just a tune up - it's a technological overhaul.

FlexiControl

Our groundbreaking FlexiControl system enhances your conferencing experience, giving you an incredible range of options for precision camera control.

FlexiControl features:

- VISCA over USB (VS model), IP (4K model) and RS232 (both models).
- Our proprietary near end camera control (Available for free to download on our website)
- ZoomRoom RF remote control support.
- AnyAngle RF remote control support.

UltraOptix

Ultra Optix 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.

AnyAngle Remote Supported

Tired of unresponsive remote controls? Utilising RF technology our new AnyAngle remotes does just that. It works at any angle, all the time, every time, even if there is an object in the way.

Dynamic Startup

The default position isn't for everyone. Dynamic startup allows you to change the camera's startup angle, setting the view right where you need it. A perfect solution for lectures.



BLADE VS

U2-10FHD3



Blade VS U2-10FHD3

Resolution	MJPEG	1080p @ 30fps, 720p @ 30fps, 640*480p @ 30fps
	YUV	640*480p @ 30fps
Video Interface	USB 2.0	
Sensor	1/2.8 inch, 5MP CMOS	
Lens	F4.7~47.mm(10X),F1.8-14, HFOV:62.5°(Wide)-6.43°(Tele)	
P/T Rotation	Pan: ±170°; Tilt:-30°~+90°, Reverse Mountable	
P/T speed	Pan: 0.1°-120°/s; Tilt: 0.1°-80°/s	
Presets	10 via IR remote setting, 128 via VISCA control, preset accuracy:	
Control	RS232, RS485, USB 2.0	
Min. Lux	0.01 lux	
White Balance	Auto/Manual	
Focus	Auto/Manual	
Iris	Auto/Manual	
WDR	Supported	
BLC	Supported	
2D DNR	Supported	
3D DNR	Supported	
Input Voltage	DC12V	
Dimension	200mm x 143mm x 152mm	
Net Weight	1.25KG	

A Leap Ahead

The new Blade VS delivers an amazing suite of features along with the superb optics you've come to expect from Angeki's. Technical improvements and a class leading build quality complement the Blade's brilliantly sharp resolution and stunning color production, all at a groundbreaking price.

Product Highlights:

- 10x optical zoom, 10x digital zoom option.
- Full HD resolution at 30fps via USB 2.0.
- Video format YUY2 and Mjpg.
- Day/night version switch.
- 62.5°FOV.
- 350° pan rotation.
- Visca over USB2.0, RS232 . 128 presets.
- IR remote controller, 10 presets.
- ZoomRoom remote Controller supported.
- On screen NECC via custom Angeki's app.
- Video mute control.
- Kensington lock hole.
- 3D noise reduction.



BLADE 4K

U3-UFHD36



Blade 4K U3-UFHD36		
Resolution	MJPG	3840x2160p @ 30fps, 1080p @ 30fps, 720p @ 30fps, 640*480p @ 30fps with USB 3.0
	YUV	1080p 30/25fps, 720p 30/25fps, 640x480p 30fps
Video Interface	USB 3.0	
Sensor	1/2.5 inch, 5MP CMOS	
Lens	F4.7~47.mm(10x), F1.8-14, HFOV: 86.5°(Wide)-6.43°(Tele)	
P/T Rotation	Pan: ±170°; Tilt: -30°~+90°, Reverse Mountable	
P/T speed	Pan: 0.1°-120°/s; Tilt: 0.1°-80°/s	
Presets	110 via IR remote setting, 128 via VISCA control, preset accuracy: 0.1°	
Control	RS232, RS485, UVC	
Min. Lux	0.01 lux	
White Balance	Auto/Manual	
Focus	Auto/Manual	
Iris	Auto/Manual	
Shutter	Auto/Manual	
WDR	Supported	
BLC	Supported	
2D DNR	Supported	
3D DNR	Supported	
Input Voltage	DC12V	
Dimension	200mm x 143mm x 152mm	
Net Weight	1.25KG	

Breaking new ground in optics and performance.

The new Blade series delivers class leading optics and crystal clear life-like video. Your next in person meeting will feel dull by comparison. We've delivered significant technological improvements including USB VISCA and UVC control options, as well as ZoomRoom controller support. A custom built NECC app rounds out the suite of control options. These are precision controls you can rely on. Advanced RF technology allows the AnyAngle and the ZoomRoom remotes to be used from any angle, and go right through objects in the way. Improvements to the camera's optics produce brilliantly sharp images in a small, smart and solid form factor at an impressive price. Did we mention the 3 year warranty?

Product Highlights:

- 86.5 Degree wide angle FOV.
- 5 x 4K + 15x HD zoom over USB3.0.
- Up to 4K resolution at 30fps and Full HD at 30fps.
- Video format: YUY2, MJPG.
- Video outputs: USB3.0.
- Visca over RS232. 128 presets.
- Zoom Room remote Controller supported.
- Angekis near end on screen app control.
- IR remote control with 10 presets.
- RS232 joystick or 128 presets
- OSD settings menu via remote.
- Video mute control.
- Kensington lock hole.
- 3D noise reduction.
- Day/night vision switch.



Flexi Control



UltraOptix



Dynamic Startup



AnyAngle

AUDIO

AUDIO
SOLUTIONS

SOLUTIONS

CLEARTALK WIRELESS ASP-04

2.4G wireless digital conference speakerphone with omnidirectional MIC and wireless charging dock



The ASP04 is a 2.4G wireless communication speakerphone with charging dock, It is compatible with all kinds of hardware video conference systems, education training systems, net work monitoring systems, remote medical systems, network monitoring systems, smart city systems, conference recording systems and more, Simultaneously picks up audio and plays sounds without any interference.

Wireless and compact

- Connects to a computer via 2.4ghz RF wireless technology
- Built in high powered speakers
- Built in echo cancellation chip
- Intelligent tuning band
- Strong anti-interference ability
- Plug and play, no drivers required
- Compatible and optimized for windows
- Includes wireless charging dock
- Connectivity: 2.4GHZ wireless dongle
- Pick-up radius: 3m
- Audio interface: 3.5 mm
- Speaker: Built in high powered speakers
- 3 x mics: 360 degree or omni directional
- 7-10 hours battery life



1. Speakerphone
2. Charging Dock
3. 2.4Ghz Wireless Dongle
4. Power Adaptor
5. USB Cable for Charging Dock.

CLEARTALK ASP-05

Digital conference speakerphone with omnidirectional MIC



The ASP05 is a wired speakerphone designed for huddle spaces or small sized conference rooms that seat up to 6 participants. Whilst compact, the ASP-05 packs a punch with high end audio that delivers clear and crisp sound for your everyday conferencing needs.

Clear and crisp

- Connects to a computer via USB
- Built in high powered speakers
- Built in echo cancellation chip
- Intelligent tuning band
- Full duplex
- Strong anti-interference ability
- Plug and play, no drivers required
- Compatible and optimized for windows

- Pick-up radius: 6m
- Audio interface: 3.5 mm
- Speaker: Built in high powered speakers
- 3 x mics: 360 degree or omni directional



1. Speakerphone
2. USB Charging Cable

CLEARTALK Anchor ASP-06

Portable USB speakerphone with Bluetooth and dongle



The ASP06 Cleartalk Anchor is a portable USB omnidirectional speakerphone that is both wired via USB and wireless via bluetooth. Its the perfect solutin for remote working and remote learning.

The speakerphone comes equipped with a bluetooth adaptor enabling the speakerphone to be placed wirelessly in any location cable and clutter free. With one to one bluetooth technology, you can be guaranteed there will be no clash or interference with other devices. You can install multiple ASP-06 units in the one room with no issues.

The portable powerhouse

- Connects to a computer via USB or wireless bluetooth.
- Intelligent dynamic noise reduction.
- Auto gain.
- Full duplex technology.
- Echo cancellation.
- Up to 90db volume.
- Up to 10hrs battery life.
- Compact & portable.
- Pick-up radius: up to 4m.
- Pair to any bluetooth device.
- Speaker: Built in high powered speakers
- 360 degree pickup
- 1 to 1 bluetooth technology.



Speakerphone with USB cable & wireless dongle.

ANGEKIS ASP-10 SPEAKERPHONE

All in one speakerphone designed for professional video conferences in medium to large boardrooms



With an enhanced audio pick up range of 5 meters, ASP-10 is the perfect audio solution for medium sized conference rooms. Enjoy 3D gesture controls to mute and unmute the device, HID reverse control functionality to synchronize input and output across your computer, speakers, and speakerphone, and straightforward plug and play functionality via the included USB cable.

Extend your range.

- Connects to a computer via USB.
 - Intelligent dynamic noise reduction.
 - Auto gain.
 - Full duplex technology.
 - 384ms Echo cancellation.
 - 3D gesture control.
 - Compact & portable.
- Pick-up radius: up to 5m.
 - Speaker: Built in high powered speakers
 - 360 degree pickup



1. Speakerphone
2. USB cable 3m
3. USB extension 1.8m

CLEARTALK

WIRELESS DAISY CHAIN ASP-04D-2

2.4G wireless digital conference speakerphone
with omnidirectional MIC



The ASP04D is a twin unit 2.4GHz wireless communication speakerphone set. The perfect solution for larger conference, education and event spaces that require a larger audio pickup area. Both units seamlessly synchronize and simultaneously pick up and play audio without interference.

Expand your audio

- Connects to a computer via 2.4ghz RF wireless technology
 - Built in high powered speakers
 - Built in echo cancellation chip
 - Intelligent tuning band
 - Strong anti-interference ability
 - Plug and play, no drivers required
 - Compatible and optimized for windows
- Connectivity: 2.4GHZ wireless dongle
 - Pick-up radius: 6m
 - Audio interface: 3.5 mm
 - Speaker: Built in high powered speakers
 - 3 x mics: 360 degree or omni directional
 - 7-10 hours battery life



1. Speakerphone
2. USB Charging Cables
3. Power Adaptor
4. 2.4ghz Wireless Dongle

Cleartalk HD DC ASP-10D-2

Conference Speakerphone

2 x all in one speakerphones, designed for professional video conferences and daisy chained together to cover the largest conference rooms.



Two ASP-10 speakerphone units daisy chained together with wireless functionality. Enjoy 3D gesture controls to mute and unmute the device, HID reverse control functionality to synchronize input and output across your computer, speakers, and speakerphone, and straightforward plug and play functionality via the 2.4 GHz wireless USB dongle. Each unit has a range of up to 5m, and with two of them you can double your coverage.

Expand your audio

- Connects to a computer via 2.4 GHz USB dongle
- Intelligent dynamic noise reduction
- Automatic gain control
- Full duplex communication
- 384ms echo cancellation
- 3D gesture control
- Compact and portable



1. Speakerphone
2. Speakerphone
3. 2.4 GHz Dongle
4. USB cable
5. USB cable

Ceiling Mic Pro ASP-C-01

Built-in interaction and recording, simplifying your operation



High tech audio in a professional package. Two HD voice area ceiling microphones, combined with an advanced Digital Signal Processor unit, deliver sophisticated audio production capabilities for the largest spaces. For advanced audio controls and output options, the DSP central unit supports 6 road 3.81mm phoenix based MIX and AEC inputs, as well as Speaker, REC and AEC outputs. Additional ports include a USB Type-B control port that plugs right into just about any Windows or Mac OSX machine. Plug it in, fire up your favorite audio and video editing software, and get down to business.

Audio processing made easy

- 48 KHz sampling rate
- Adaptive echo cancellation
- Adaptive noise suppression
- Intelligent sound mixing
- Supports 24 bit A/D and D/A
- Adopts bare wire phoenix interface
- 6 way balanced output
- High noise reduction
- 10m pickup radius
- Adaptive algorithm
- Adaptive speech gain adjustment
- Smart mixing

Includes:

ASP-C-01 Master, Hanging Mic, Power Adaptor
Speaker Line, REC Line, AEC line, b-type USB line,
mixer line



Ceiling Mic HD ASP-C-02

Third Generation AUCTOPUS Audio Processing



The Ceiling Mic HD ASP-C-02 delivers high tech audio in a compact package. Two HD voice area ceiling microphones, combined with an advanced Digital Signal Processor unit, deliver incredible audio production capabilities for the largest spaces. With a pick up range of 10 meters each, you can cover a full lecture hall, large conference room, or other event space with clear and precise audio through the versatile USB Type-B connector.

A simple & effective audio solution.

- 48 KHz sampling rate
- Adaptive echo cancellation
- Adaptive noise suppression
- Intelligent sound mixing
- Supports 24 bit A/D and D/A
- Adopts bare wire phoenix interface
- 6 way balanced output

- High noise reduction
- 10m pickup radius
- 3rd Generation AUCTOPUS audio processing
- Adaptive speech gain adjustment
- Smart mixing

Includes:

ASP-C-02 Master, Hanging Mic *2, Power Adaptor
Speaker Line, b-type USB line *1



Angekis®



W E B

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