

B85-A 4k Tracking AI Broadcast camera

SKU: 0200185



FEATUES

- Compatibel with NDI®|HX2(Optional) NDI is ideal for broadcasting including broadcast studios, live broadcast, gymnasiums, arenas, churches and lecture halls, thanks to its high SNR and sultr-low latency.
- Multiple interfaces It supports HDMI 2.0 FHD output, and also equipped with a 3G-SDI interface. The effective transmission distance is up to 150 meters (1080p30). HDMI, USB3.0, LAN can simultaneously output 3 channels of high-definition digital signals. Remote control The camera can be controlled remotely with the RS232, RS485 and LAN port. controled. Built-in gravity sensor Automatic image rotation supported for easy installation. Smart exposure Effectively solve the impact of projectors, televisions and other equipment on shooting.
- AI Tracking Embedded NPU hardware uses the deep learning technology to track the target's characteristics and allow smooth face tracking, no matter where the face is facing. The product is applicable to automatic tracking of speakers in lecture and presentation. Low light The application of 3D noise reduction algorithm greatly reduces image noise. Even under the condition of ultra-low illumination, it still keep the picture clean and clear, and the SNR of image is as high as 55dB.
- Multiple interfaces It supports HDMI 2.0 FHD output, and also equipped with a 3G-SDI interface. The effective transmission distance is up to 150 meters (1080p30). HDMI, USB3.0, LAN can simultaneously output 3 channels of high-definition digital signals. Remote control The camera can be controlled remotely with the RS232, RS485 and LAN port. controled. Built-in gravity sensor Automatic image rotation supported for easy installation. Smart exposure Effectively solve the impact of projectors, televisions and other equipment on shooting.



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Signal System	3G-SDI: 1080P60, 1080P50, 1080P30, 1080P29.97,1080P59.94, 1080P25;1080I60, 1080I50, 1080I59.94;720P60, 720P59.94
Sensor	1/1.8 inches, CMOS,Effective Pixels: 8.42 Megapixels
Lens	20x, f=6.25mm~125mm,F1.58~F3.95
Horizontal FOV	60° ~ 3.5°
Vertical FOV	35.7° ~ 2.0°
USB Video Format	YUY2: Max.1080P30(USB3.0)1 ; YUY2: Max.1080P5(USB2.0);H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30;MJPEG: Max.2160P30
HD Output	1 × HDMI: Version 2.0;1 × 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE424M standard
USB Interface	1 × USB2.0: Type-C(Optional upgrade to USB3.0)
Control Interface	1 × RS485: 3pin phoenix port, Max Distance: 1200m, Protocol:VISCA / Pelco-D / Pelco-P

I/O INTERFACE

HD Output	1x HDMI: Version 2.0; 1x 3G-SDI: BNC , 800mVp-p, 75Ω, asper SMPTE 424M standard
Network Interface	1x RJ45: 10M/100M/1000M adaptive Ethernet
Audio Interface	1x LINE IN: 3.5mm Jack
USB Interface	1x USB3.0, type-C type
Control Interface	1 x RS485: 3pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, MaxDistance: 30m, Protocol: VISCA /Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JEITA type (DC IN 12V)

USB FEATURES

Operating System Supported	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System /Compression	YUY2 / H.264 / MJPEG / H.265
Video Format	YUY2 : Max. 1080P/30; H.264 AVC: Max. 2160P/60; H.264 SVC: Max. 2160P/60; H.265 SVC: Max. 2160P/30; MJPEG: Max. 2160P/30
USB Audio	Support
USB video	UVC 1.1~1.5
Communication Protocol	
UVC PTZ Control	Support

NETWORK FEATURES

Video Compression	H.264 / MJPEG / H.265
Video Stream	First Stream, Second Stream
First Stream	3840x2160, 1920x1080, 1280x720,
Resolution	1024x576 etc.
Second Stream	720x576, 720x480, 320x240 etc.
Resolution	
Video Bit Rate	32kbps~51200kbps
Bit Rate Control	Variable Bit Rate; Constant Bit Rate
Frame Rate	50Hz: 1fps~50fps, 60Hz: 1fps~60fps
Audio Compression	AAC, G711A
Audio Bit Rate	64Kbps, 96Kbps, 128Kbps
Protocol	NDI® HX2, TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.
Control Protocol	NDI® PTZ, VISCA Over IP

GENERAL SPECIFICATIONS

Input Voltage	DC 12V / PoE+ (802.3at)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Switch/ Recovery key/ IR Remote Input	Support
Indicator lamp	Power State, Run State, TALLY Lamp
Power Consumption	18W (Max.)
Dimensions	223 x 154.8 x 165 (mm)
Net Weight	About 1.8kg

SYSTEM

Video Resolution	HDMI: 4KP60, 4KP59.94, 4KP50,4KP30, 4KP29.97, 4KP25,1080P60, 1080P59.94, 1080P50,1080P30, 1080P29.97, 1080P25,1080I60, 1080I59.94, 1080I50,1080I29.97, 720P60, 720P50,720P30, 720P253G-SDI:1080P60,1080P59.94,
	1080P50,1080P30,1080P29.97,
	1080P25,1080I60,1080I59.94,
	1080I50,1080I29.97,720P60,720P50

Shutter 1/30s ~ 1/10000s

Input (Touchscreen monitor)	VGA、 HDMI input
Touch	PCAP,10 points touch,
Display	HDMI/VGA 1024*600
Sensor	1/2.8", CMOS, Effective Pixel: 840M
Scanning Mode	Progressive
Lens	12x, f3.47mm ~ 41.65mm, F1.84 ~ F3.72
Digital Zoom	16X
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Pan Speed	1.7° ~ 100° /S
Tilt Speed	1.7° ~ 69.9° /S
Image Flip	Support
Image Freeze	Support

White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
Backlight	support
Compensation	
Digital Noise Reduction	3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal FOV	80.8° ~ 7.5°
Vertical FOV	49.9° ~ 4.3°
Pan Angle	±162.5°
Tilt Angle	-30° ~ +90°
PoE+	Support
Preset Position	255
Preset Accuracy	0.1°