B85-BA 4k Tracking AI Broadcast camera

SKU: 0200185

Edis

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.

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Signal System	3G-SDI：1080P60, 1080P50, 1080P30, 1080P29.97,1080P59.94, 1080P25;1080I60, 1080I50, 1080I59.94;720P60, 720P59.94
Sensor	1/2.5 inches, CMOS,Effective Pixels: 8.51 Megapixels
Lens	12x, f=3.47mm~41.65mm,F1.84~F3.72
Horizontal FOV	80.8° ~ 7.5°
Vertical FOV	49.9° ~ 4.3°
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
Signal System	3G-SDI：1080P60, 1080P50, 1080P30, 1080P29.97,1080P59.94, 1080P25;1080I60, 1080I50, 1080I59.94;720P60, 720P59.94

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 Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

NETWORK FEATURES

Video Compression	H.264 / MJPEG / H.265
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576 etc.
Second Stream Resolution	720x576, 720x480, 320x240 etc.
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℃
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	White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
Touch	PCAP,10 points touch,	Backlight Compensation	support
Display	HDMI/VGA 1024*600	Digital Noise Reduction	3D Digital Noise Reduction
Sensor	1/2.8'', CMOS, Effective Pixel: 840M	Video S/N	≥55dB
Scanning Mode	Progressive	Horizontal FOV	80.8° ~ 7.5°
Lens	12x, f3.47mm ~ 41.65mm, F1.84 ~ F3.72	Vertical FOV	49.9° ~ 4.3°
Digital Zoom	16X	Pan Angle	±162.5°
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)	Tilt Angle	-30° ~ +90°
Pan Speed	1.7° ~ 100° /S	PoE+	Support
Tilt Speed	1.7° ~ 69.9° /S	Preset Position	255
Image Flip	Support	Preset Accuracy	0.1°
Image Freeze	Support		