VISSONIC

Auto-tracking Camera

PRODUCT DATASHEET

VISSONIC ELECTRONICS LTD.

Think Solutions

VIS-TCAMH-B
Auto-tracking Camera

Feature

●All-in-One Design

Integrated design, can output panoramic and close-up multi-channel HD video at the same time.

●Intelligent Tracking

Built-in leading image recognition and tracking algorithms, without any auxiliary positioning camera or tracking host, to achieve smooth and natural tracking effect, different cameras are assembled before production, thus realizing tracking requirements in various scenarios.

●Adjustable Viewing Angle

Panorama camera can adjust viewing angle in vertical(-15°~ +15°), so as to convenient for installation and degugging.

●71 ° wide-angle lens + 12x optical zoom

Exclusive custom high-quality true 8 million ultra-high-resolution 4K ultra-wide-angle lens with 12x optical zoom and horizontal field of view up to 71 °.

●Multiple interfaces

Support hdmi2 0 HD output, equipped with 3g-sdi interface, with an effective transmission distance of up to 150m (1080p30). HDMI or 3g-sdi, USB and LAN can output 3 HD digital signals at the same time.

●Built-in G-sensor（optional）

Support automatic image flip function, convenient for engineering installation

●4K UHD

Using a 1 / 2.5 inch high-quality UHD CMOS sensor with a maximum size of 8.51 million pixels, it can achieve 4K (3840x2160) high-resolution high-quality images. And backward compatible with multiple resolutions such as 1080P, 720P

●Built-in microphone

Built-in microphone array, omnidirectional pickup, pickup distance up to 6 meters, unique noise suppression algorithm, perfect speech presentation

Specification

Model	VIS-TCAMH-B
Name	All-in-One UHD Tracking Camera
Close-up camera	
Video System	HDMI：4K@30fps, 4K@25fps, 4K@29.97fps1080P@30fps,1080P@25fps SDI：1080P@30fps,1080P@25fps
Sensor	1/2.5'', CMOS, Effective Pixel: 851M

Scanning Mode	Progressive
Lens	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6
Digital zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
Backlight Compensation	Support
Digital Noise Reduction	3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	71° ~ 8.2°
Vertical Angle of View	42.7° ~ 4.5°
Horizontal Rotation Range	±170°
Vertical Rotation Range	±30°
Pan Speed Range	1.61° ~ 75.56°/s
Tilt Speed Range	0.44° ~ 15°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°
Panorama Camera	
Video System	HDMI：4K@30fps, 4K@25fps, 4K@29.97fps1080P@30fps,1080P@25fps SDI：1080P@30fps,1080P@25fps
Sensor	1/2.8", CMOS, Effective Pixel: 842M
Scanning Mode	Progressive
Lens Mount	M12 Mount
Lens Type one	f=8mm, H FOV 48°(default, changeable)
Lens Type two	f=1.97mm, H FOV 107°(default, changeable)
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
Digital Noise Reduction	3D digital noise reduction
Backlight Compensation	Support
Image Freeze	Support
H & V Flip	Support
USB Featured	
Operate System	Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux
Color System / Compression	YUV / H.264 / MJPEG /NV12
Video Format	YUY2 :最大1080P@30fps H.264 AVC: 最大2160P@30fps H.264 SVC: 最大2160P@30fps MJPEG: 最大2160P@30fps
Audio on USB	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Support
Network Features	
Video Compression	H. 265/H. 264/MJPEG
Video Stream	First Stream, Second Stream,
First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576, 720x480, 720x408, 640x480, 640x360
Second Stream Resolution	720x480, 720x408, 640x360, 480x320, 320x240
Video Bit Rate	32kbps~51200kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps

Audio Compression	AAC、G711A
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Support protocols	TCP/IP,HTTP,RTSP,RTMP,Onvif,DHCP,GB/T28181, Multicast, etc.
Input/Output Interface	
HD Output	1xHDMI: Version 2.0
	1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
Network Interface	1xRJ45: 10M/100M/1000M Ethernet Interface,Support PoE+ power supply
Audio Interface	1-ch:Line In ,3.5mm Audio Interface
USB	1 xUSB 3.0, Type-B socket; 1 xUSB2.0, Type-A socket
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
	1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only
	1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	DC-005/Φ2.0 type (DC IN 12V)
Generic Specification	
Input Voltage	DC 12V/PoE+（802.3at）
Current Consumption	2A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	18W (Max)
MTBF	>30000小时
Size	200mm x 150mm x 165mm
Net Weight	1.73Kg

Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576
Second Stream Resolution	720x576, 720x480, 320x240
Video Bit Rate	128Kbps ~ 8192Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, Onvif, DHCP,RTSP, RTMP, etc.
Input/Output Interface	
HD Output	1xHDMI: Version 1.3
	1x3G-SDI
Network Interface	1xRJ45: 10M/100M Ethernet Interface
Audio Interface	1-ch: 3.5mm Audio Interface, Line In
Communication Interface	1xRS232 In for close-up camera
	1xRS232 Out for close-up camera
Power Jack	JEITA type (DC IN 12V)
Generic Specification	
Input Voltage	DC 12V
Current Consumption	1.5A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	18W (Max)
MTBF	>30000h
Size	TBD
Net Weight	TBD

About VISSONIC Electronics Limited

Our mission is to develop and manufacture the most comprehensive and innovative audio visual products for our clients. We provide the best performance/price ratio products because it could give you satisfaction just from the time you use them, we believe the good design with cutting edge technology on products will provide value to all our partners and end users. Listen to your demands, we fulfill it.

VISSONIC

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