Camera

TF-DSHLX

Feature

*Uses a high-quality 1/2.8-inch CMOS sensor with 2.07 million pixels.

*Support UVC PTZ control, support USB audio.

*Using RS-232 and RS-485 serial ports, the parameters of this series of cameras can be adjusted and the pan/tilt can be controlled remotely and at high speed. The camera supports multiple network and USB control methods.

*Low noise and high signal-to-noise ratio: Low-noise CMOS effectively ensures the ultra-high signal-to-noise ratio of camera videos. The use of advanced 2D and 3D noise reduction technology further reduces noise and ensures image clarity under ultra-low illumination conditions; the image signal-to-noise ratio is as high as 55dB.

*The fast, accurate and stable focusing lens can achieve 20x optical zoom and adopts a 60.7° high-quality optical lens.

*Rich and complete interfaces, compatible with various interfaces HDMI1.3 specifications, 3G-SDI, USB, network high-definition video output, and supports four-channel video output at the same time.

*The audio and video encoding protocol adopts the AAC encoding protocol, which can achieve high-quality sound transmission and low bandwidth.

Specification

High Definition Interface	1 channel, HDMI: 1.3 specification; 1 channel, 3G-SDI: BNC type, 800mVp-p, 75Ω, compliant with SMPTE 424M standard
USB interface	1 channel, USB3.0, can output up to 4K@60fps compressed video and 1080P original video
Image Sensor	1/2.8 inch CMOS
Sensor pixels	2.07 million pixels
Video signal	1080P60, 1080P59.94, 1080P50, 1080I60, 1080I59.94, 1080I50, 1080P30, 1080P29.97, 1080P25, 720P60, 720P59.94, 720P50
Optical lens	20x, f4.42mm ~ 88.5mm, F1.8 ~ F2.8 [35mm equivalent focal length: 34mm-674mm]
Zoom ratio	20x optical zoom, 16x digital zoom
Vertical viewing angle	34.1° ~ 1.89°
Horizontal viewing angle	60.7° ~ 3.36°
Minimum illumination	0.5Lux @ (F1.8, AGC ON)
Shutter speed	1/30 to 1/10,000 seconds
Scanning method	line-by-line scan
White balance	Automatic/indoor/outdoor/one-button trigger/manual/specified color temperature
Effect mode	Screen freezing, horizontal mirroring, vertical flipping
Digital noise reduction	2D&3D digital noise reduction
Signal-to-noise ratio	>55dB
BLC	off/on

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Rotation speed	Horizontal 1.7° ~ 100°/second, vertical 1.7° ~ 69.9°/second
Corner range	Horizontal ±170°, vertical -30° ~ 90°
Preset	255
Preset position accuracy	0.1°
Color space/compression technology	USB : YUY2/H.264/MJPEG
Video format (MAX)	YUY2: 1080P@60fps, USB audio 32K sampling rate, UAC2.0, UVC PTZ control, IPC characteristics (IP Camera)
Video communication (USB)	UVC 1.1/1.5
Audio port	1 way, Line In/Mic In, 3.5mm ; 1 way, Line Out, 3.5mm
Audio compression standard	AAC
Audio encoding rate	48Kbps, 64Kbps, 96Kbps, 128Kbps, 256Kbps
Network Interface	1 RJ45, 10M/100M/1000M adaptive Ethernet, supports PoE
Communication Interface	1 channel RS232 In, 8-pin DIN, maximum distance: 30 meters, for VISCA protocol networking; 1 channel, RS485: 2-core Phoenix port, maximum distance: 1200 meters, VISCA/Pelco-D/Pelco-P protocol;
Communications protocol	VISCA, PELCO-D, PELCO-P
Video coding standards	H.265, H.264
Main stream resolution	1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360
Secondary stream resolution	1280x720, 1024x576, 720x576, 720x480, 720x408, 640x360, 480x270, 320x240, 320x180
Video bit rate	variable/fixed
Video frame rate	1—60fps
Network protocol	NDI | HB, NDI | HX, TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, multicast, SRT, etc.
Temperature	Working temperature 0℃ ~ +40℃, storage temperature -40℃ ~ +60℃
Power supply	JEITA type 12V1A DC
Power consumption	≤12W
Dimensions (W*H*D)	146mm x 169mm x 168mm
Net weight	1.50kg