Camera TV-6124HU

HD Camera Image Processing Software V3.151

Description

4K camera with PTZ control, audio and video storage, mechanical control, electronic transmission, streaming media transmission protocol, noise reduction, automatic exposure, automatic white balance, auto focus, digital noise reduction and other advanced technologies. It also provides multiple output methods for post-stage system acquisition and use, realizes 4K30 ultra-high-definition video output, and provides ultra-high-definition quality images. It is widely used in conference rooms, lecture halls, classrooms, training rooms, command centers and other application places.

Feature

* Adopting a 1/2.8-inch high-quality UHD CMOS sensor with a maximum of 8.46 million effective pixels, with 12x optical zoom and a horizontal field of view of up to 72.5°.Support 4K ultra-high-resolution high-quality images and is backward compatible with multiple resolutions such as 1080P and 720P.
* Support HDMI1.4 format, can directly output 4K@30fps uncompressed digital video. It also has 3G-SDI interface, supports 1080p60, 1080p50, 720p60, 720p50 and other formats of video output, and the effective transmission distance is more than 150 meters. Support HDMI, 3G-SDI, UVC, LAN output, support up to three channels of video output at the same time, support up to 4K@30fps (3G-SDI supports up to 1080P@60fps) and support backward compatible output.
* The network interface supports 10M/100M adaptive Ethernet and POE.
* Supports multiple control protocols such as Visca, Pecol-d/Pecol-p, Onvif, GB/T28181, etc. The camera can be remotely controlled through infrared remote control, RS-232, RS-485 and network. It is also equipped with a camera search tool that supports cross-segment search and IP setting functions.
* With a high signal-to-noise ratio CMOS image sensor, it can effectively reduce image noise in low illumination situations. The simultaneous application of 2D and 3D noise reduction algorithms greatly reduces image noise. Even in ultra-low illumination conditions, the image is still clean and clear, and the image signal-to-noise ratio is as high as over 50dB.
* The software runs on the Linux operating system, and the system is reliable and stable. Support Chinese or English version, choose to install Chinese or English version according to the operating system environment. Support PC web page control, web page preview adjustment, 256 preset position setting control, streaming media and network camera settings.
* It has an audio input interface, supports 48k sampling rate audio input, can output PCM audio format through UAC protocol, and also supports AAC and G711A audio compression standard encoding output. The AAC format supports audio bit rates such as 48Kbps, 64Kbps, 96Kbps, and 128Kbps.
* Support H.264, H.265, MJPEG video encoding standards, dual stream output, and the highest stream resolution can support 3840×2160 output. Support horizontal flipping and vertical flipping of images to facilitate project installation and use. Support OSD menu display interface, displays current time, and displays IP when booting.
* Multiple streaming media transmission protocols, support RTSP, RTMP, SRT, HTTP, GB/T28181, Onvif and other network audio and video transmission protocols. SRT supports 4K30 ultra-high-definition streaming and supports multiple network devices to pull. The delay time of RTSP protocol pushing 4K30 format video is within 260ms. Support mainstream monitoring GB28181 protocol, docking with national standard platform screen preview, PTZ control and other functions. RTMP supports H.264 and AAC or G711A formats; RTSP supports H.264, H.265, MJPG formats, and the first code stream supports AAC or G711A format; SRT supports H.264 format.
* Support cross-network segment search and configuration function for all cameras in the network.That is, in a self-organized LAN or a communication network, you only need to connect the configuration computer to the network, open the web configuration background, and automatically search for all online cameras for quick configuration. This greatly reduces the workload of implementation personnel and improves user experience.
* Support 3A (auto focus, auto exposure, auto white balance) adaptive image adjustment, so that the camera equipment can provide high-quality, clear, color-accurate images in various shooting environments, enhance user experience, and reduce the burden of manual adjustment of camera parameters for users, making shooting and photography more convenient.
* It has 2 USB interfaces, 1 of which supports UVC audio and video transmission protocol, and UVC supports up to 4K30 encoding format output; the other USB interface supports system upgrades by inserting a USB flash drive.

Camera TV-6124HU

HD video conferencing dedicated camera built-in software V2.0

Specification

Output signal	4K@30fps，4K@29.97fps，4K@25fps，1080I@60fps，1080P@60fps，1080P@59.94fps，1080P@50fps，1080P@30fps，1080P@29.97fps，1080P@25fps，720P@60fps，720P@59.94fps，720P@50fps，576P@50fps，480P@60fps
Image Sensor	1/2.8"CMOS
Sensor pixels	Effective pixels: 8.46 million
Focal distance	f=4.14mm~47.08mm
Aperture coefficient	F1.6~F2.8
Optical zoom	12x
Scanning method	Line by line
Horizontal angle	72.5°~6.3°
Digital zoom	16x
Focus system	Automatic, manual, one-key trigger, PTZ trigger
Image gain	Automatic / manual
White balance	Automatic, manual, one-click white balance, static color temperature
BLC	Support
Wide dynamic range	Support
Exposure control	Auto, manual, shutter priority, aperture priority, brightness priority
SNR	≥50dB
Menu	English Chinese
Horizontal range	-170°~+170°
Vertical range	-30°~+90°
Horizontal rotation speed	0.1°~120°/s
Vertical rotation speed	0.1°~90°/s
Flip, horizontal flip	Support
Number of preset points	256
CPU	ARM Corte×-A53 dual-core architecture SSD268G, main frequency 1.2GHz
Memory	8GB
Network card	1 100M network card, support POE power supply
Video output	1×HDMI interface, 1×SDI interface, 1×USB interface
Other	5*serial port (2*232 IN serial port, 2*232 OUT serial port, 1*485 serial port), 1*audio input, 1*USB2.0 interface, 1*TF card interface
Voltage input	100-240V,50/60Hz
Voltage output	12V/1.5A
Dimensions (L×W×H)	220.2×181×145.3mm
Working environment	Working temperature 0~45℃, working humidity 10%RH~90%RH (non-condensing)
Storage environment	-10℃~60℃
Vertical motor operating voltage	12V
Horizontal motor operating voltage	12V