



## Controlling Device With Controller



### Product Specifications

Feature	Descriptions
CPU	ARM Cortex-A7x
Operating system	Linux 4.1
Memory	1 GB
Connectivity Ports	4x Digital I/O input, 2x RJ45
Controlling port	3× 7pin phoenix connector
Relay Port	8x relay
Infrared Port	6x infrared or one-way RS-232 serial port
System LED Indicator	4x LED system status indicator
Cloud Programming	Cloud programming without installing software
Network Control	Supports various network control protocols(TCP/UDP/Telnet/Http)
Debugging	Remote debugging
Operational Temperature	0°C ~70°C
Operational Humidity	10% to 92%
Certification	BIS certification
Communication Ports	2x USB, 2x RS232, 2x RS485, 2x RJ45 network control
Relay port	8x Relay
Loading Capacity	20A Single channel
Logic Switch	Support programmable definition of various logic switches
Controlling Data Interface	Support standard RS232 & RS485 data interface and open control protocol



### Product Specifications

Feature	Descriptions
USD Data	Support standard USB data interface, more convenient to connect with PC.
Lock	Support keyboard lock (LOCK) function
Size	10" or higher
Technology	IPS
Resolution	1024 × 600
Connectivity Ports	2x RJ 45 PoE, 3x USB ports(USB-A for apk, USB-C for upgrading), 2x RS232 or more
Touch Panel	Captive Touch Panel
Touch points	5 Points
CPU	Octa core A53 or better
Inbuilt OS	Android 12
RAM	2 GB
Storage	24 GB
Mount	Wall mounted
Feature	Support APP remote control and install, Support working with the third party control devices
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Lens	f4.4mm ~ 88.5mm, F1.8 ~ F2.8
Optical Zoom	30x
Digital Zoom	24x
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)



### Product Specifications

Feature	Descriptions
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	60.7 degrees ~ 3.36 degrees
Vertical Angle of View	34.1 degrees ~ 1.89 degrees
Horizontal Rotation Range	±170 degree
Vertical Rotation Range	Minus 30 degrees ~ Plus 90 degree
Pan Speed Range	1.7 degrees ~ 100 degrees per second or better
Tilt Speed Range	1.7 degrees ~ 70 degrees per second or better
Number of Preset	255
Preset Accuracy	0.1*
Video System	1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30,1080p/25
Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux,Android
Color System	YUV 4:2:2
Video Format USB 3.0	2160P@60fps
Video	H.265/H.264/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	1920×1080, 1280×720, 1024×576
Sub Stream Resolution	1280×720, 720×576, 320×240



### Product Specifications

Feature	Descriptions
Video Bit Rate	128Kbps ~ 8192Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast
Audio Encoding	Device should Support AAC audio encoding, better sound quality and smaller bandwidth.
Local Storage	Device should Support local storage module, directly recording to local USB flash disk.
Low Light	Device Should support High SNR of CMOS sensor, even under low illumination conditions, picture can still keep clean and clear.
Remote Control	All the parameters of the camera can be remote controlled by the high-speed communications
Video Output	2xUSB3.0, 3x HDMI, 2x CVBS
Network Interface	2xRJ45: 10M/100M Ethernet Interface
Audio Interface	1-ch: 3.5mm Audio Interface Line In
Communication Interface	1xRS232 In, 1xRS232 Out, 1xRS485
Power Jack	JEITA type (DC IN 12V)
Operating Temperature	0°C ~ 50°C
Storage Temperature	-10°C ~ 80°C
Certifications	BIS certification
Other Features	Tripod Stand, Remote Control Support, Audio on USB, Image Freeze, H & V Flip, Backlight Compensation & Progressive scanning mode

