PTZ (Pan-tilt-zoom) Camera UC P20 Specification

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I. Features

4K UHD: A 1/2.5-inch sensor delivers up to 8.51MP, achieving uncompromising image quality.

AVT Port: Supports RJ45 over twisted pair and BNC coaxial connector.

Built-in Gravity Sensor: Enables automatic image rotation that make convenient the installation.

Built-in OLED Screen: For displaying frame rate and resolution for HDMI and SDI input signal and IP address.

Remote Control: Built-in RS232 and RS485 that allows controlling the camera from afar Low Power Consumption during Standby: Standby power consumption is less than 400mW.

71-degree Wide-angle Lens & 12 Times Optical Zoom: Horizontal field of view reaches 71 degrees in the UHD camera. It supports 12 times optical zoom, providing crystal clear images near and far alike.

Broad Connectivity Supported: Supports AVT export, as well as HDMI 2.0×1, RJ45×1. The three ports could export high definition contents simultaneously, satisfying needs in various scenarios.

II. Camera

Video System	4K@60fps, 4K@50fps, 4K@30fps, 4K@25fps, 4K@59.94fps, 4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60fps, 1080I@50fps, 1080P@30fps, 1080P@25fps, 1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps, 720P@59.94fps
Sensor	1/2.5 inch, CMOS, Max Effective Pixel: 8.51M
Scanning Mode	Progressive
Lens	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual,VAR
Backlight Compensation	Supported
Digital Noise Reduction	2D & 3D Digital Noise Reduction
Signal Noise Ratio	≥55dB
Horizontal Angle of View	71° ~ 8.2°
Vertical Angle of View	42.7° ~ 4.5°

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Horizontal Rotation Range	±170°
Vertical Rotation Range	±30°
Pan Speed Range	1.6°/s ~ 76°/s
Tilt Speed Range	0.5°/s ~ 15°/s
H & V Flip	Supported
Image Freeze	Supported
Number of Preset	255
Preset Accuracy	0.1°

III. UVC Features

Operate System	Windows 7, Windows 8, Windows 10,Mac OS X, Linux, Android
Encode Format	YUY2 / H.264 / H.265 / MJPEG
Video Format	YUY2: max to 1080P@30fps
	H.264 AVC: max to 2160P@60fps
	H.264 SVC: max to 2160P@60fps
	MJPEG: max to 2160P@30fps
USB Audio	Supported
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ	Supported

IV. Network

Video Compression	H.264 / H.265 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360
Second Stream Resolution	1280x720, 1024x576, 720x576 (50Hz supported), 720x480 (60Hz supported), 720x408, 640x360, 480x270, 320x240, 320x180
Video Bit Rate	32kbps ~ 51200kbps
Bit Rate Control	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	TCP/IP, HTTP, RTSP, RTMP/RTMPS, ONVIF, DHCP, SRT, Multi-cast

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V. Input & Output

Network Interface	1✕RJ45: 10/100/1000Mbps Adaptive Ethernet Port
Communication Interface	1×RS232 IN: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P
	1×RS485: 3pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P
Audio Interface	1×LINE IN: 3.5mm Audio Interface
HDMI Interface	1×HDMI: Version 2.0
3G-SDI Interface	1×3G-SDI: BNC type, 800mVp-p, 75Ω.Along to SMPTE 424M standard
USB Interface	1✕USB 3.0: Up to 4K@60fps compressed video and 1080P original video can be output
Power Jack	JEITA type (DC IN 12V)

VI. Power & Physical

Input Voltage	DC 12V
Current Consumption	1.0A (Max)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max)
Dimension	238mm×131.8mm✕166.35mm
Net Weight	1.3kg

VII. Statement

Size and weight may vary by configuration and manufacturing process, please refer to the actual product.

The product images are for illustrative purposes only and may slightly differ in appearance, colour, size, etc. from the actual product.

The description, illustrations, etc. in the document may subject to change in accordance with the latest product specification and performance.

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