

WC410

HD CONFERENCE CAMERA

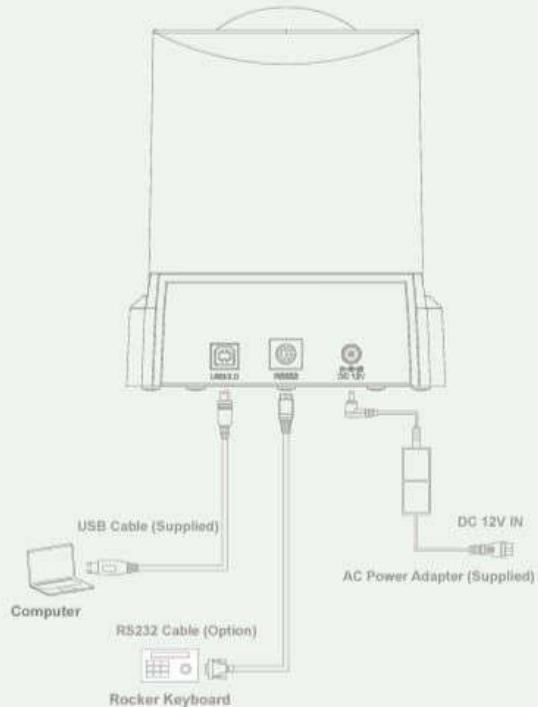
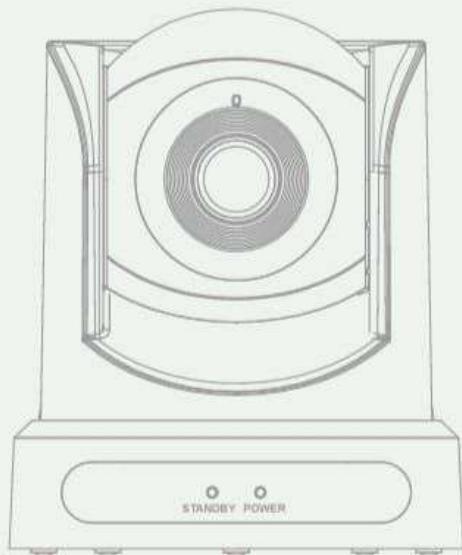


WISDOMATIC®



The WC410 has a built-in high-quality HD CMOS sensor with 2.07 million effective pixels, which can obtain high-quality images with a resolution of up to 1920x1080. New CMOS image sensor with ultra-high SNR can effectively reduce the image noise under low illumination. The image maintains clean and clear even under ultra-low light illumination. 255 preset positions can be set, which is convenient for switching the main screen image, avoid manual adjustment.

Product Interface



Remote Control

1. Standby Key
Enter into standby mode by pressed it.

2. Numeric Key
Preset setting or transfer preset.

3.* Key
Equipped with other keys for using.

4. Preset Key
Preset: Setting Preset + Number key (0-9).

5. HOME Key
Confirm menu or the PTZ will back to the middle position after pressed it.

6. Return Key
Return back the last level menu.

7. Zoom Button
Making the lens wide angle/narrow angle slowly or quickly.

8. Left/Right Setting Key
Standard: Simultaneously press Left/Right setting key + 1 (horizontal).
Reverse: Simultaneously press Left/Right setting key + 2 (horizontal).

9. FOCUS Key
auto/manual/far-end/near-end focus.

10. Selection Key
Select the camera need to control.

11. # Key
Need to equipped with other key.

12. IR Remote Control Key
[*+ # +F1/F2/F3/F4]: NO.1/2/3/4 address.

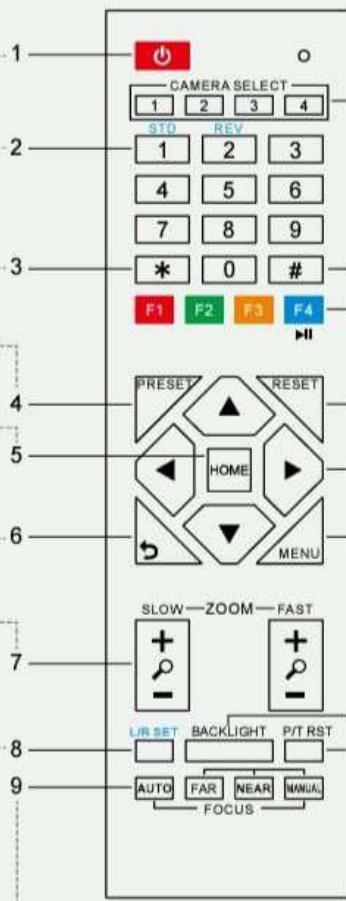
13. RESET Key
Delete preset (reset key + corresponding preset number key).

14. PTZ Control Key
PTZ moved according to the arrow indicates.

15. MENU Key
Enter or exit OSD Menu after pressed it.

16. BACKLIGHT Key
Turn on/off backlight consumption (loop).

17. PTZ Reset Key
PTZ starts to self-test after pressed it.



Main Features

1080P Full HD

High-quality HD CMOS sensor with 2.07 million effective pixels can obtain high-quality images with a resolution of up to 1920x1080.

10x optical zoom + 16x digital zoom

10x optical zoom + 16x digital zoom, 58.5° ~ 6.5° field of view to capture crystal clear images.



Dual stream output

Support dual-stream simultaneous output (YUY2, MJPEG, h. 264) to reduce the coding and decoding pressure on the host.



Remote control

RS232 interface is used to realize the remote control of camera's parameters through high-speed communication.



h.264 Slice/h.264 SVC encoding support

Output h. 264 stream supports Slice and SVC encoding modes, suitable for high-end USB video conference applications.



255 preset positions

255 preset positions can be set, which is convenient for switching the main screen image, avoid manual adjustment.



Low Illumination

New CMOS image sensor with ultra-high SNR can effectively reduce the image noise under low illumination. Meanwhile, the application of 2D and 3D noise reduction algorithms dramatically reduces image noise. The image maintains clean and clear even under ultra-low light illumination.



Product Specifications

Camera	
Video System	1080P, 720P, 540P, 480P, 360P, 240P etc. according to different resolution for different color space/compression modes.
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	10x, f4.7mm ~ 46.3mm, F1.8 ~ F2.8
Digital Zoom	16x
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D digital noise reduction
Video S/N	≥55dB
Horizontal Angle of View	58.5° ~ 6.5°
Vertical Angle of View	35.1° ~ 3.6°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ + 90°
Pan Speed Range	2.7° ~ 35.7°/s
Tilt Speed Range	2.7° ~ 31.5°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°

General specification

Input Voltage	DC 12V
Current Consumption	1.0A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	12W (Max)
MTBF	>30000h
Size	141.3mm x 153mm x 163.6mm
Net Weight	1.153 KG

USB Features	
OS	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUV 4:2:2 / H.264 / MJPEG
Video Format	H.264 AVC: max to 1080P@30fps H.264 SVC: max to 1080P@30fps MJPEG: max to 1080P@30fps
USB video communication protocol	UVC 1.0
UVC ePTZ	Support

Input/Output Interface	
USB Interface	1xUSB2.0: Type B female jack
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V)/ USB B type (DC IN 5V)



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