



TW215A SERIES HD VIDEO CONFERENCE CAMERA

SPECIFICATIONS

Preliminary Version Only



TECHNICAL PARAMETER

FULL HD, WIDE VIEW ANGLE, MULTIPLE VIDEO INTERFACES, MULTI-LENS

The TW215A series camera offers perfect functions, superior performance and rich interfaces. The features include advanced ISP processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic color rendition. It supports H.264/H.265 encoding which makes motion video more fluent and clear under low bandwidth conditions.



KEY FEATURES

Superb High-definition Image

TW215A adopts 1/2.8 inch, 2.07 megapixel high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60fps.

Multiple Optical Zoom Lens

5X, 10X, 12X, 20X and other optical zoom lens for options. The lens adopts 83.7° wide angle without distortion.

Leading Auto Focus Technology

Leading auto focus algorithm makes lens auto focus more quickly, accurately and stably.

Low Noise and High SNR

Low Noise CMOS effectively ensure high SNR of camera video. The adoption of advanced 2D/3D noise reduction technology not only further reduces the noise, but also ensuring image sharpness.

Multiple Audio/Video Compression Standard

Support H.264/H.265 video compression, AAC, MP3 and G.711A audio compression and 1920x1080 resolution with frame rate up to 60fps compression.

Multiple Network Protocols

Support ONVIF, GB/T28181, RTSP, RTMP protocols, RTMP push mode, which is easy to link streaming media server (Wowza, FMS), RTP multicast mode and network full command VISCA control protocol.

Control Interface

RS485, RS232. RS-232 supports cascade function, which is convenient for installation.

Extremely Quiet PTZ

Adopting step driving motor mechanism and motor drive controller with high precision is to ensure PTZ works smoothly with low speed and without noise.

Low-Power Sleep Function

Support low-power sleep/wake up, the consumption is lower than 400mW under sleep mode.

Multiple Preset

Support 255 preset positions (the remote controller is set to 10 preset positions).

Wide Application

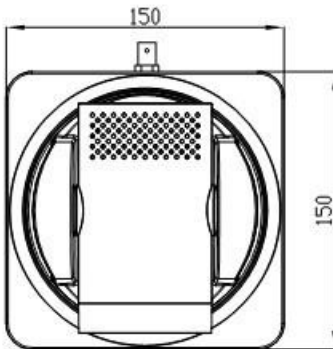
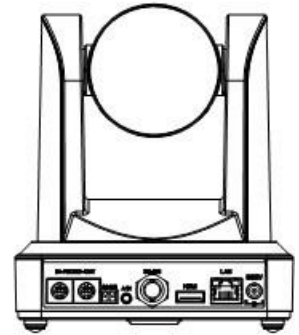
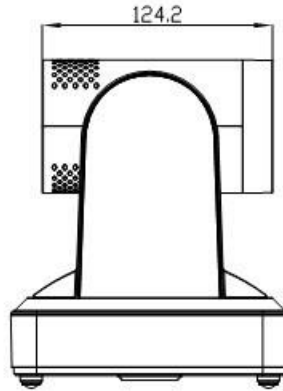
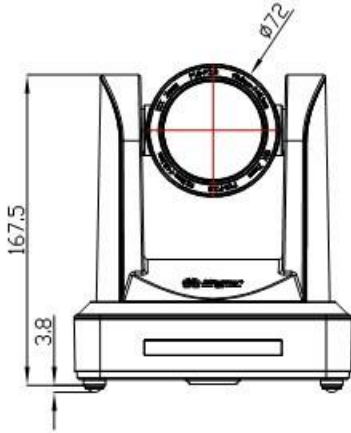
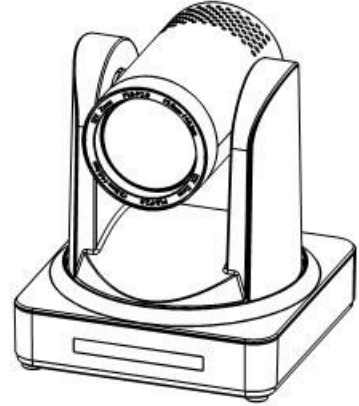
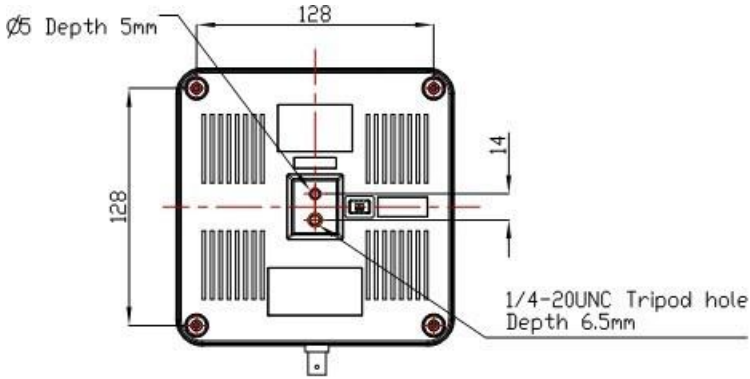
Tele-education, Lecture Capture, Webcasting, Videoconferencing, Tele-training, Tele-medicine, Interrogation and Emergency command systems.



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|---------------------------------|--|--------------------------|-------------------------|-------------------------|
| Model | TW215A-xxX | | | |
| Camera, Len Parameter | | | | |
| Sensor | 1/2.8 inch high quality HD CMOS sensor | | | |
| Effective Pixels | 16: 9, 2.07 megapixel | | | |
| Video Format | USB3.0 video format: 1) U3: 1920X1080P60/50/30/25;1280X720P30/25/15/10 ;960X540P30;640X360P30 U3 compatible with U2: 960X540P30;640X360P30;1280X720P10/15;720X576P30;720X480P30 | | | |
| Optical Zoom | 5X f=3.1~15.5mm | 10X f=4.7~47mm | 12X f=3.9~46.8mm | 20X f=5.5~110mm |
| View Angle | 20°(tele)-- 83.7°(wide) | 6.43°(tele)--60.9°(wide) | 6.3°(tele)--72.5°(wide) | 3.3°(tele)--54.7°(wide) |
| Digital Zoom | 10X | | | |
| Minimum Illumination | 0.1Lux | | | |
| Effective Pixels: | 2.07 megapixel | | | |
| WDR | OFF/ Dynamic level adjustment | | | |
| Video Adjustment | Brightness,Color,Saturation,Contrast,Sharpness,B/W mode,Gamma curve | | | |
| SNR | >55dB | | | |
| Input / Output Interface | | | | |
| Audio Input Interface | Double track 3.5mm linear input | | | |
| Network Interface | 100M IP port(100BASE-TX) 5G WiFi (optional) . | | | |
| Network Protocol | RTSP,RTMP,ONVIF,GB/T28181,Network VISCA Control Protocol, Support remote upgrade, reboot and reset. | | | |
| Control Interface | RS232 (Ring through RS232 output) , RS485 | | | |
| Power Interface | HEC3800 outlet (DC12V) | | | |
| Power Adapter | Input: AC110V-AC220V. Output: DC12V/1.5A | | | |
| Input voltage | DC12V±10% | | | |
| Input current | 1A (Maximum) | | | |
| Power Consumption | 12W(Maximum) | | | |
| PTZ Parameter | | | | |
| Pan/TiltRotation | ±170°,-30°~+90° | | | |
| Pan Control Speed | 0.1 -60°/sec | | | |
| Tilt Control Speed | 0.1-30°/sec | | | |
| Preset Speed | Pan: 60°/sec, Tilt: 30°/sec | | | |
| Preset Number | 255 presets (10 presets by remote controller) | | | |
| Other Parameter | | | | |
| Storage Temperature | -10°C~+60°C | | | |
| Storage Humidity | 20%~95% | | | |
| Working Temperature | -10°C~+50°C | | | |
| Working Humidity | 20%~80% | | | |
| Dimension | 150mmX150mmX167.5mm | | | |
| Weight (around) | 1.4KG | | | |
| Using environment | Indoor | | | |
| Accessory | | | | |
| Random Accessory | 12V/1.5A power supply, RS232 control line, USB3.0 , remote controller, | | | |
| Optional Accessories | Mounting bracket | | | |

Dimension Pictures: (unit:mm)

“ TECHNICAL DRAWINGS





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