



HD VIDEO CONFERENCE CAMERA

SERIES TW216A

Preliminary Version Only



FULL HD, WIDE VIEW ANGLE, MULTIPLE VIDEO INTERFACES

- **Multi-lens**

TW216A 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.264+ encoding which makes motion video fluent and clear even under less than ideal bandwidth conditions.



KEY FEATURES

- **Superb High-definition Image**

TW216A employs 1/2.8 inch high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60fps.

- **Various Optical Zoom Lens**

TW216A has 12X/20X/30X optical zoom lens for options. The lens adopts 72.5° wide angle without distortion.

- **Leading Auto Focus Technology**

Leading auto focus algorithm makes lens a fast, accurate and stable auto-focusing.

- **Low Noise and High SNR**

Low Noise CMOS effectively ensure high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness.

- **Wide-range, Quiet and Quick Pan/Tilt Mechanism**

By adopting step driving motor mechanism, TW216A camera works extremely quiet and moves smoothly.

- **Multiple Audio/Video compression**

Support H.264/H.264+ video compression; AAC, MP3 and PCM audio compression; Support compression of resolution up to 1920x1080 with frame up to 60fps and 2 channel 1920x1080p with 30fps compression.

- **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.

- **Wide Application**

Tele-education, Webcasting, Video conferencing, Tele-training, Tele-medicine, Interrogation and Emergency command systems.

TECHNICAL SPECIFICATION

MODEL

TW216A-xxX

Camera Parameter

Optical Zoom	12X f=3.9~ 46.1mm	20X f=5.57~ 110mm	30X f=4.3~ 129mm
Sensor	1/2.8 inch high quality HD CMOS sensor		
Effective Pixels	16: 9, 5 megapixel		
Video Format	SDI video format 1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/30/25/59.94/29.97		
View Angle	6.3°(tele)--72.5°(wide)	3.3°(tele)--54.7°(wide)	2.34°(tele)--65.1°(wide)
Digital Zoom	12X		
Minimum Illumination	0.5Lux (F1.8, AGC ON)		
SNR	>55dB		

Input/Output Interface

Video output interfaces	DVI(HDMI)/SDI Video Format: 1080P60/50/30/25/59.94/29.97;1080I60/50/59.94;720P60/50/30/25/59.94/29.97 USB3.0 video format: 1) U3: 1920X1080P60/50/30/25;1280X720P30/25/15/10 ;960X540P30;640X360P30 2) U3 compatible with U2: 960X540P30;640X360P30;1280X720P10/15;720X576P30;720X480P30
Network Interface	100M IP port(100BASE-TX)
Power Adapter	Input: AC110V-AC220V Output: DC12V/1.5A
Input voltage	DC12V±10%
Input current	1A (Max)
Power Consumption	12W (Max)

PTZ Parameter

Pan Rotation	±170°
Tilt Rotation	-30°~+90°
Pan Control Speed	0.1 -100°/sec
Tilt Control Speed	0.1-45°/sec
Preset Speed	Pan: 100°/sec, Tilt: 45°/sec
Preset Number	255 presets (10 presets by remote controller)

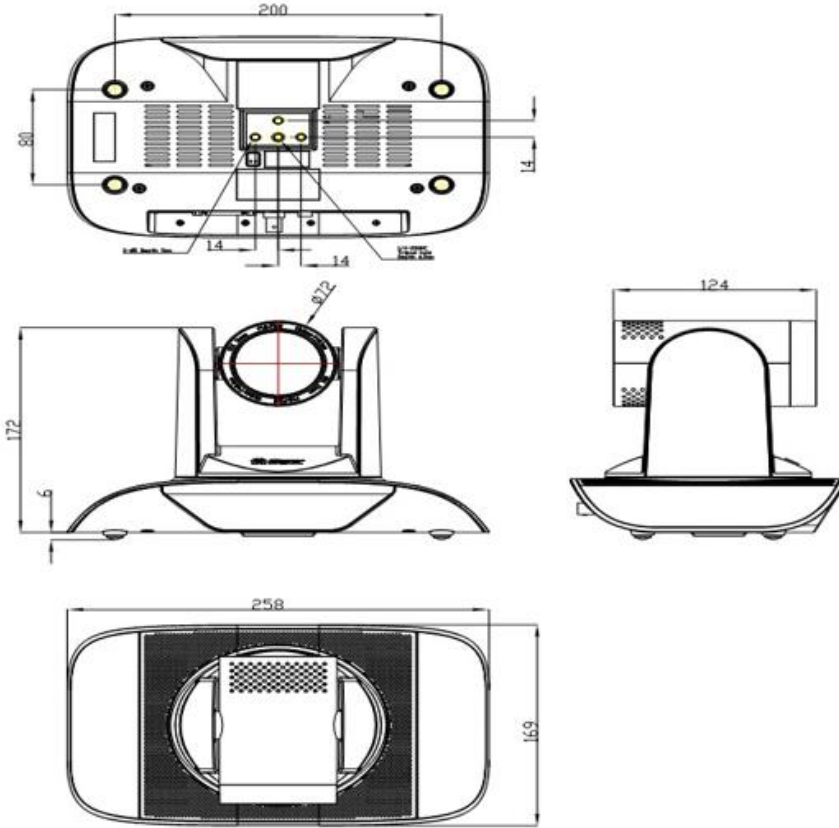
Other Parameter

Store Temperature	-10°C~+60°C
Store Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%
Dimension(WXHxD)	258mmX172mmX169mm
Weight (around)	1.54KG
Using environment	Indoor

Accessory

Random Accessory | 12V/1.5A Power Supply, RS232 Control Line, Remote Controller, Warranty Card

44 DIMENSION (UNIT: MM)





TWT APPLIED TECHNOLOGY AND SERVICES PTE LTD

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