



PTZ-300-PoE

Video Conference Camera



Overview

The PTZ-Series-PTZ-300-PoE Video Conference Camers applied Panasonic 1/2.7 inch, 2.07mp effective pixels HD CMOS sensor. The output frame rate up to 60fps in 1080P.

Features

- Use 72.5° wide-angle high quality lens, applied 20x optical zoom, and 16x digital zoom.
- Local Storage module, directly recording to local USB flash disk
- Support AAC audio encoding, better sound quality and smaller bandwidth.
- Apply Panasonic 1/2.7 inch, 2.07mp effective pixels high-quality HD CMOS sensor, can reach maximum 1920 x 1080 high resolution
- RS232/485 interface, DC 12V/PoE (802.3af)
- HDMI output, 3G-SDI interface, NDI output
- Using H.265 encode, support AAC Audio Encoding

Accessories

- 1 Camera
- 1 Power Cable
- 1 Remote Control
- 1 Power Adapter
- 1 RS232 Cable
- 1 User Manual

Size & Weight

Length	145.2mm
Width	150.9mm
Height	161.8mm
Net Weight	1.52kg



Specifications - Camera

Signal System

HD: 1080P/60, 1080P/50,
1080I/60, 1080I/50,
1080P/30, 1080P/25,
720P/60, 720P/50,
720P/30, 720P/25,
1080P/59.94, 1080I/59.94,
1080P/29.97, 720P/59.94
SD: 480I, 576I

Sensor

1/2.7 inch, CMOS,
Effective pixels: 2.07M

Scanning Mode

Progressive

Lens

20x, f=4.42mm ~ 88.5mm
F1.8 ~ F2.8

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

Support

Digital Noise Reduction

2D & 3D Digital Noise Reduction

Signal Noise Ratio

≥55dB

Horizontal Angle of View

60.7° ~ 3.36°

Vertical Angle of View

34.1° ~ 1.89°

Horizontal Rotation Range

±170°

Vertical Rotation Range

-30° ~ +90°

Pan Speed & Tilt Speed Range

1.7°/s ~ 100°/s, 1.7°/s ~ 69.9°/s

H & V Flip / Image Freeze / Local Storage

Support

Number Of Preset & Accuracy

255, 0.1°



Network & In/Output

Video Compression

H.264/H.265/MJPEG

Video Stream

First Stream, Second Stream

First Stream Resolution

1920x1080, 1280x720,
1024x576, 960x540,
640x480, 640x360

Second Stream Resolution

1280x720, 1024x576, 960x540, 720x576 (50Hz),
720x480 (60Hz), 720x408, 640x360, 480x272,
320x240, 320x180

Video Bit Rate

32Kbps ~ 20480Kbps

Bit Rate Type

Variable Rate, Fixed Rate

Frame Rate

50Hz: 1fps ~ 50fps / 60Hz: 1fps ~ 60fps

Audio Compression & Bit Rate

AAC, 96Kbps, 128Kbps, 256Kbps

Protocols

TCP/IP, HTTP, RTSP, RTMP/RTMPS, ONVIF,
DHCP, SRT, Multicas

Audio Interface

1 x LINE IN: 3.5mm Audio Interface

CVBS Interface

1 x CVBS: 3.5mm RCA jack, 1Vp-p, 75Ω

Communication Interface

1 x RS485: 2pin phoenix port, Max Distance:
1200m, Protocol: VISCA / Pelco-D / Pelco-P

1 x RS232 IN: 8pin Min DIN, Max Distance: 30m,
Protocol: VISCA / Pelco-D / Pelco-P

1 x RS232 OUT: 8pin Min DIN, Max Distance: 30m,
Protocol: VISCA network use only

Network Interface

1 x RJ45: 10M/100M Adaptive Ethernet Port

HDMI Interface

1 x HDMI: Version 1.3

3G-SDI Interface

1 x 3G-SDI: BNC type, 800mVp-p,
75Ω. Along to SMPTE 424M standard

USB Interface

1 x USB 2.0: Type A female jack

Power Jack

JEITA type (DC IN 12V)



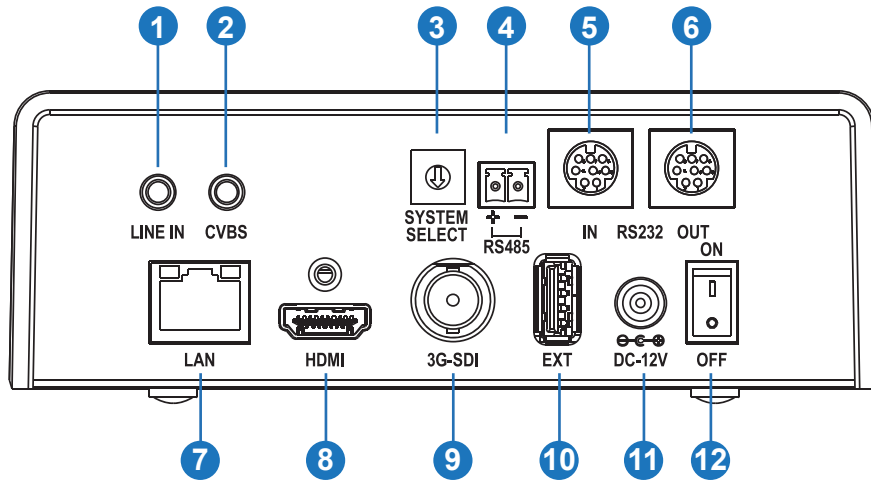
Physical Parameter

Input Voltage	DC 12V
Input Current	1.0A (Max.)
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	12W (Max.)
Mean Time Between Failures	>30000h



Operation Control & Functions

Rear Panel



- ① LINE IN Interface
- ② CVBS Interface
- ③ System Select Button
- ④ RS485 Interface
- ⑤ RS232 IN Interface
- ⑥ RS232 OUT Interface
- ⑦ Network Interface
- ⑧ HDMI Interface
- ⑨ 3G-SDI Interface
- ⑩ USB 2.0 Interface
- ⑪ DC 12V Interface
- ⑫ Power Button