

# CS-P49S EXT-63X

## Explosion Proof Integrated PTZ Camera-Thermal



**Intelligent Series**



### KEY FEATURES

- ATEX, IECEx Approved;
- Applicable for Gas Zone 1, Zone 2, (Class II A, IIB, IIC, T1-T6 group) Dust Zone 21, 22.
- Certified standards IEC/EN60079
- Stainless steel 304 or 316L enclosure
- Surface optional electro-polished or painting
- Weather Proof IP68(1.2m/45min)
- Wide voltage input: AC100-240V/DC24V/AC24V/PoE++

- Infrared lights, intelligent day/night vision
- Strong tempered glass, fit for hydrofluoric acid area
- Intelligent window defroster design
- Auto temperature adjust kit for aggressive area
- High precision wiper , support user-defined
- Auto temperature adjust kit for aggressive area
- Symmetrical balancing design
- Intelligent long focal speed limit fit for long distance monitoring
- Optical fiber output version available



Email: [sales@canadasecurity.com](mailto:sales@canadasecurity.com)  
Website: [canadasecurity.com](http://canadasecurity.com)

US : +1 301 900 1000  
CA : +1 289 800 9000




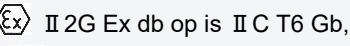

## Application

CS-P49S EX-63X is a CASE designed classic explosion-proof integrated camera, which is integrated by explosion proof camera (housing), pan tilt, decoder and wiper , it makes install and debug on site convenient. The explosion proof camera can apply for Zone 1 and Zone 2 hazardous areas that explosive mixture of group IIA, IIB, IIC, T1~T6 gases, vapors and air may exist, Zone 21 and Zone 22 hazardous areas that explosive dust may exist. It's applicable for refining and chemical industry, oil extraction, gas production, fireworks production, grain production and storage, petrol station and so on.

## SPECIFICATIONS

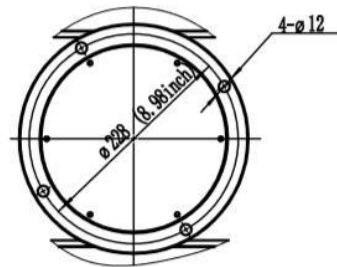
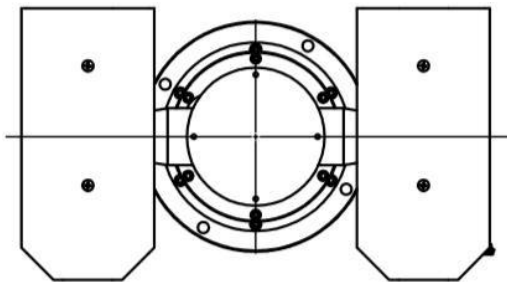
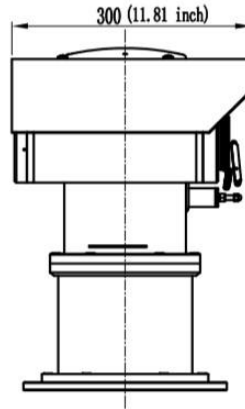
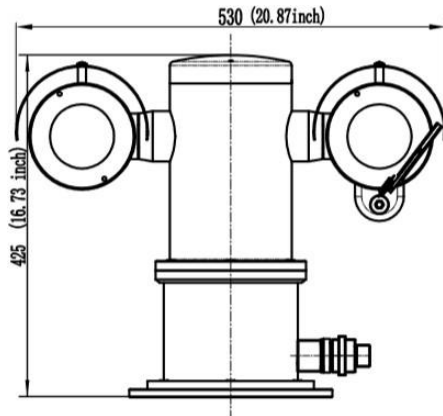
Camera	
Image Sensor	1/1.8" CMOS
Signal System	PAL/NTSC
Min. Illumination	Color: 0.001lux@ (F1.6, AGC ON), B/W:0.0001lux@ (F1.6, AGC ON), 0lux with IR
Shutter Time	1s to 1/100,000s
Day & Night	IR Cut Filter with Auto Switch
Optical Zoom	63X
Digital Zoom	16X
Lens	
Focal Length	5.7-359mm
Zoom Speed	<7s
Field of View	Horizontal filed of view: 60° (w)~1.54° (t) , Vertical filed of view: 35.5° (w)~0.87° (t), Diagonal field of view:67.5°(w)~1.77(t)
Aperture Range	F1.6~F5.0
Focus Control	Auto/Manual
Iris Control	Auto
Close Focus Distance	1 m~3 m
Pan&Tilt	
Pan Range	360°
Pan Speed	Pan Manual Speed: 0.1°~200°/s, Pan Preset Speed: 240°/s
Tilt Range	-21°~90° (Default -13°~90°)
Tilt Speed	Tilt Manual Speed: 0.1°~180°/s, Tilt Preset Speed: 180°/s
3D Position	Yes
Preset	500
Preset Accuracy	±0.1°
Cruise	16, up to 32 presets per cruise
Scan	8
Pattern	8, each with 600s memory or 1000 orders
Scheduled Task	Preset、Cruise、Scan、Pattern、Alarm output
Park Action	Yes
Power-off Memory	Yes
Preset Freezing	Yes
Illuminator	
IR LEDs	11
IR Distance	Up to 300m
IR Irradiation Angle	Adjustable by Zoom
White LEDs	2 support white/blue/red light flash
Compression Standard	
Video Compression	S+265/H.265/H.264 (High profile、Main profile、Baseline)
Video Bit Rate	32Kbps~16Mbps
Audio Compression	G.711A/G.711U/ADPCM_D/AAC_LC
Audio Sampling Rate	8K~48Kbps

Image	
Max. Resolution	4MP (2560x1440)
Main Stream	PAL: 25fps(2560x1440,2304x1296,1920x1080,1280x720) NTSC: 30fps(2560x1440,2304x1296,1920x1080,1280x720)
Sub Stream	PAL: 25fps(704x576,704x288,352x288,640x360) NTSC: 30fps(704X480,704X240,352X240,640x360)
Third Stream	PAL:25fps(704x576,704x288,352x288,640x480) NTSC: 30fps(704X480,704X240,352X240,640x480)
BLC	Yes
HLC	Yes
WDR	TWDR,,only in monitoring mode
Image Stabilization	EIS,only in monitoring mode
Fog	Digita
White Balance	Auto/Semi-auto/Manual/Sunny/Natural light/Warm light/Sodium lamp/Incandescent lamp/Locked white balance
AGC	Yes
Noise Reduction	2D/3D
ROI	7 Dynamic Areas for Both Main and Sub Stream, support 1 auto-tracking ROI
Picture Overlay	Yes
Privacy Mask	Yes
Smart Defog	Yes
Image Setting	Saturation, brightness, contrast, sharpness, adjustable by client software or web browser
Flip	Yes
OSD	16x16, 24x24,32x32, 48x48, 64x64,96x96, adaptable size, Letters such as Week, Date, Time, Total 5 Regions
Feature	
Alarm Trigger	Event Input, Event Output, Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception
Video Analytics	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, Crowd, People Counting, On Duty Detection, Safety Helmet Detection,Video Abnormal, Audio Abnormal
Early Warning(EW)	Three level,Voice warning support 35 voice messages; Laser driven away; Three-light flash warning
Auto-Tracking	Yes
Face Detection and Analytics	
Operating Mode	Face capture, intelligent monitoring optional, default intelligent monitoring
Face Detection Performance	Detects up to 32 faces at the same scene
Face Exposure Brightness	Default 35, 1~100 brightness optional
Min. Face Pixel	Default 80, 19~2560 optional
Network	
Protocols	TCP/HTTPS/DHCP/DNS/DDNS/EasyDDNS/NTP/SMTP/UpnP/802.1X/QoS/IPv4/IPv6/UDP/PPPOE/SSL/SNMP/Unicast/Multicast
System Compatibility	ONVIF (PROFILE S/T/G/M),SDK,CGI,RTSP
ANR	Auto store video in SD card when NVR disconnected, and upload video to NVR when resumed connection (Only Support Tiandy ANR NVR)
Remote Connection	4
User/Host	Up to 32 users. 4 user levels
Web Version	web6
Interface	
Communication Interface	1 RJ45 10M/100M self adaptive Ethernet port
Audio I/O	1/1
Alarm I/O	8/2
Built-In Speaker	Yes
Reset Button	Yes
On-board storage	Built-in Micro SD card slot, up to 512 GB
RS-485	Yes
BNC	Yes(Debugging use)
Wiper	Yes
Electronic Compass	Yes
GPS/BDS	N/A

Certification	
Standards	IEC/EN60079
ATEX Explosion proof marking	  
Mechanical	
Housing	Stainless steel 304 or 316L
Surface	Optional electro-polish or painting
Ingress protection	IP68 ( 2m/2h )
Cable thread hole	M25x1.5 (or M27*1.25)
Ambient	
Ambient temperature	-40° ~ +60°/-50 ~ +60
Air pressure	80Kpa to 110Kpa
Relative Humidity	95% (no condensation)
Thermal Camera	
Detector Type	Uncooled microbolometer FPA (Amorphous Silicon )
Resolution	640x480/17µm
Lens	6.6mm (only for iThermal-T 3) 9.6, 15, 19, 25mm. etc (fixed-foc us); 25mm, 35 mm,50mm. etc. (auto focus)
Pixel pitch	17µm
Response Band	8 ~ 14µm
Pseudo Chromatic	Black /white
Palette	11 kinds of color available (rust, rainbow, white/black, etc.),palette color customizable
Image mode	HDR (high dynamic range): Sea-sky mode, sky-earth mode
Image enhancement	IDE (image details enhancement)
Network protocol	11 kinds of color available (rust, rainbow, white/black, etc.), palette color customizable
Video compression standard	H.264
General	
Web Client Language	15 languages English / Spanish / Italian / Korean / Turkish / Russian / Thai / Polish / French / Dutch / Hebrew / Vietnamese / Arabic / German / Ukrainian
Power Supply	DC36V±25%/POE++(IEEE802.3 bt)
Power Consumption	37W (IR OFF), 62W (IR ON )
Size	511mmx295mmx420mm
Gross/Net Weight	29kg

\* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

**Dimension**



## Relatives



**CS-110 EX**



**CS-300 EX**



**CS-600WB**



**CS-FT EX**



**CS-G EX**



**CS-600CB**



**CS-600PMB**