DS-2XT6047G0-L/C200(K)

4 MP Furnace Camera

Applied to remote endoscopic observation in various types of industrial kilns, suitable for production environments such as steel, glass, cement, and power generation, providing reliable data for operators to real-time monitor the calcination conditions, flame shape, and material accumulation and changes in the observation area.

- The highest resolution can reach 2688 × 1520, and can output 25 fps real-time images under this resolution, making the images smoother

- Application Environment Temperature: -40 °C to 2000 °C (Cooling protection required)

- Supports manual zoom, lens tilt angle: 0° and 60° optional

- Cooling Method: Dual-layer Forced Vortex Air Cooling

- Smart Recording: Supports ANR to ensure recordings are not lost, and works with Smart NVR/SD card to achieve intelligent post-retrieval, analysis, and scaling of event recordings

- Smart Encoding: Supports low bitrate, low latency, ROI (Region of Interest) enhanced encoding, SVC (Scalable Video Coding) adaptive encoding technology, and supports Smart265 encoding

- System Over-Temperature Automatic Interlock Self-protection. Cooling Air Under-Pressure Automatic Interlock Self-protection. The air damper automatically closes when the camera retracts, effectively preventing the leakage of furnace gases

- System Air Circuit Cooling Air Uses Multi-Stage Air Purifiers: It can effectively filter out oil and water contained in the compressed air within the specified maintenance period, preventing oil and water contamination of the lens

- Records the entire process of the alarm video and pushes notifications until the event in the surveillance ends, at which point it stops recording

Specification

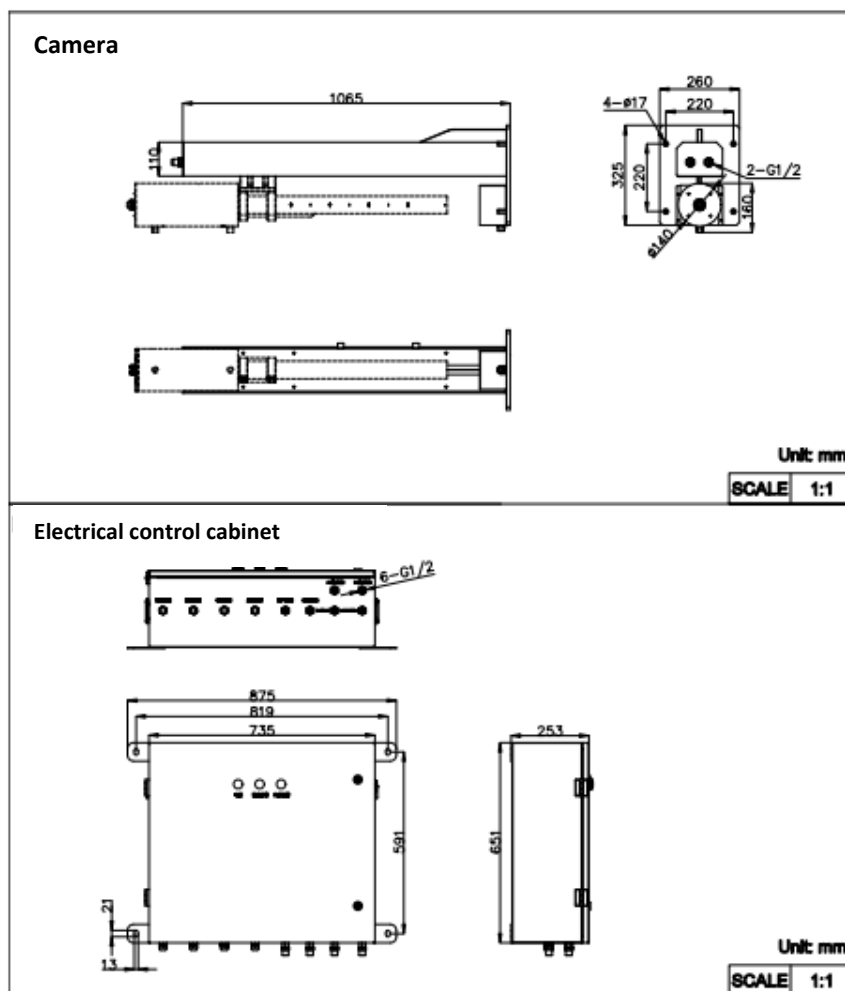| Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.2, AGC ON) B/W: 0.001 Lux @ (F1.2, AGC ON)
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
P/N	PAL/NTSC
WDR	120 dB
Lens	
Focus	manual
Lens Mount	CS
Focal Length & FOV	0° lens: 2.8 to 8 mm, horizontal FOV: 103.9 to 61.0°, vertical FOV: 63.2 to 34.2°, diagonal FOV: 109.6 to 67.2° 60° lens: 2.8 to 8 mm, horizontal FOV: 75.5 to 55.5°, vertical FOV: 44.2 to 33.9°, diagonal FOV: 82.3 to 62.6°
Aperture	F8
Iris Type	Manual
Zoom	Manual
Video	
Maximum Image Size	2688 × 1520
Main Stream	50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Fourth Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Fifth Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480)
Video Compression	Main stream: Smart265/H.265/Smart264/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 Fourth stream: H.265/H.264/MJPEG Fifth stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	BaseLine Profile/Main Profile/High Profile
H.265 Type	Main Profile
Smart264 Encoding	Main Stream Support
Smart265 Encoding	Main Stream Support
Bitrate Control	CBR; VBR
SVC	H.264 and H.265 encoding
ROI	5 fixed regions for each stream
Network	
Simultaneous Live View	Up to 20 channels

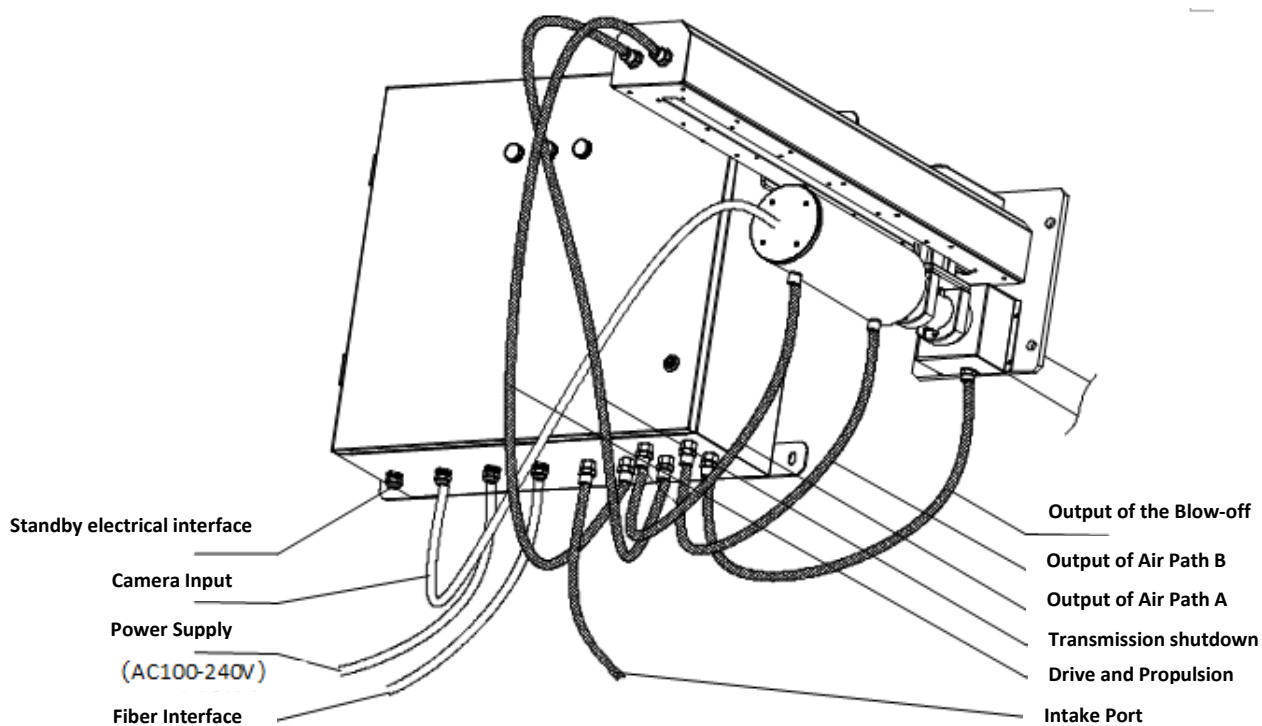| API	ONVIF, ISAPI, SDK, ISUP, GB28181
Protocols	IPv4,HTTPS,RTP,DNS,HTTP,SSL/TLS,ICMP,Bonjour,IPv6,QoS,WebSockets,802.1X,SNMP, FTP,RTCP,DDNS,PPPoE,SFTP,SMTP,NTP,RTSP,WebSocket,IGMP,DHCP,UDP,UPnP,TCP/IP
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Network Storage	NAS (NFS, SMB/CIFS)
Client	iVMS-4200; Hik-Connect
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+ Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
smartIR	Supports enabling and disabling SmartIR. When activated, it supports both automatic and manual modes. In manual mode, the brightness of the supplementary lights can be controlled based on distance levels.
Day/Night Switch	Day, Night, Auto, Schedule, Alarm Trigger
Regional cutting	Yes
Image Enhancement	BLC, HLC, 3D DNR, Distortion Correction
Image Parameters Switch	Yes
Image Settings	White balance adjustable, AGC, brightness, contrast, sharpness, WDR, mirror, saturation
SNR	≥ 52 dB
Video Masking	Yes
Interface	
Alarm	Under-pressure alarm & high-temperature alarm.
Reset	Yes
Ethernet	1 RJ45 10M/100M/1000M self-adaptive Ethernet port
Event	
Alarm trigger	Motion detection, video tampering alarm, video quality assessment, exception detection, defocus detection
Exception detection	network disconnected, IP address conflict, illegal login, HDD full, HDD error
General	
Storage Conditions	-40 °C to 60 °C (-40 °F to 140 °F), humidity less than 95% (non-condensing)

Operating and Working Temperature and Humidity	-40 °C to 2000 °C, humidity less than 95% (non-condensing), air cooling (using 25 °C air)： · Maximum ambient temperature 2000 °C, device cooling air inlet pressure not less than 0.3 MPa, camera cooling air volume not less than 35 m³/h · Maximum ambient temperature 1150 °C, device cooling air inlet pressure not less than 0.3 MPa, camera cooling air volume not less than 30 m³/h · Maximum ambient temperature 950 °C, device cooling air inlet pressure not less than 0.2 MPa, camera cooling air volume not less than 25 m³/h · Maximum ambient temperature 750 °C, device cooling air inlet pressure not less than 0.2 MPa, camera cooling air volume not less than 23 m³/h The temperature at the location of the temperature-sensitive probe must be below 120 °C, and the temperature of the outer wall at the device installation location must be below 60 °C. Additional cooling equipment is required under high-temperature conditions.
Power Supply Method	100 to 240 VAC
Power	0.34 A, 30 w
Power Interface Type	220 VDC National Standard Cable, LN Pin-type Terminals Connect to Terminal Block, PE OT-type Terminal Grounded.
Product Dimensions	Camera (0°): 1040 × 138 × 156 mm (40.94" × 5.43" × 6.14") Camera (60°): 1047 × 138 × 156 mm (41.22" × 5.43" × 6.14") Pneumatic Device: 1200 × 330 × 260mm (47.24" × 12.99" × 10.24") Junction Box: 875 × 591 × 253mm (34.45" × 23.27" × 9.96")
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording
With Package Dimension	Camera: 1265 × 313 × 282 mm (49.80" × 12.32" × 11.10") Pneumatic Device: 1566 × 356 × 458mm (61.65" × 14.02" × 18.03") Junction Box: 1066 × 876 × 498mm (41.97" × 34.49 × 19.61")
Weight	Camera: 11.2 kg (24.69 lb.) Pneumatic Device: 33.07 kg (72.91 lb.) Junction Box: 39.505 kg (87.09 lb.)
Material	Camera: Carbon Steel Pneumatic Device: Q235A Junction Box: Cold Rolled Steel Plate
With Package Weight	Camera: 15.2 kg (33.51 lb.) Pneumatic Device: 40.17 kg (88.56 lb.) Junction Box: 45.66 kg (100.5 lb.)
General Functions	One-click Recovery, Anti-banding, Five Video Streams, Heartbeat, Mirror, Password Protection, Video Masking, Watermark Technology, IP Address Filtering, Email Password Reset, Pixel Calculator, Control Timeout Mechanism
Factory Reset	Support
Approval	
EMC	Class A
Protection	Camera: IP66/68(2m/2h), Pneumatic Device: IP65, Junction Box: IP65

▪ Available Model

DS-2XT6047G0-LC200(K)

▪ Dimension

Camera
Unit: mm
SCALE 1:1

Electrical control cabinet
Unit: mm
SCALE 1:1

Standby electrical interface

Camera Input

Power Supply

(AC100-240V)

Fiber Interface

Output of the Blow-off

Output of Air Path B

Output of Air Path A

Transmission shutdown

Drive and Propulsion

Intake Port

See Far, Go Further

HIKVISION®