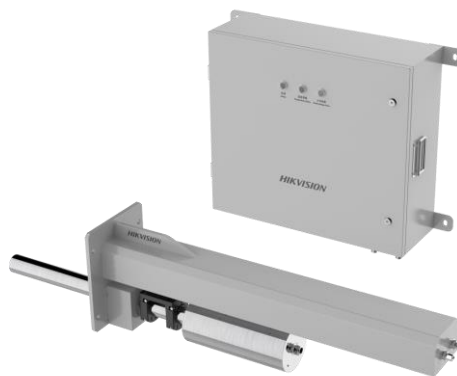


DS-2XT6047G0-L/C200(K) Furnace Camera



Applied for remote internal observation in various types of industrial kilns, suitable for production environments such as steel, glass, cement, and power generation. It provides reliable data for operators to monitor the calcination status, flameshape, and material accumulation and changes in real-time.

- 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: -20°C (-4°F) to 2000°C (3632°F), (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)
Max. Resolution	2688 × 1520
Shutter Time	1 s to 1/100,000 s
Lens	
Lens Mount	C/CS mount
Lens Type	F8
Focus	Manual
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°
Iris Type	Manual
Video	
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~8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR; VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	5 fixed regions for each stream
Target Cropping	Yes
Network	
Simultaneous Live View	Up to 20 channels
API	OTAP, ISAPI, SDK, ONVIF (Profile S, Profile G, Profile T), ISUP
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	Hikcentral
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	
Wide Dynamic Range (WDR)	120 dB
Day/Night Switch	Day, Night, Auto, Schedule, Alarm Trigger
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
Privacy Mask	Yes
Interface	
Alarm	Under-Pressure Alarm, High-Temperature Alarm
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Reset Key	Yes
Ethernet Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet port
Event	
Basic Event	Exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error, abnormal restart), alarm input and output
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture
General	
Power	100 to 240 VAC , 0.34 A , 30 W
Storage Conditions	Furnace Camera: -20 °C to 2000 °C (-4 °F to 3632 °F), Pneumatic Device: -20 °C to 60 °C (-4 °F to 140 °F), Control Box: -20 °C to 60 °C (-4 °F to 140 °F), Humidity 95% or less (non-condensing)

Startup and Operating Conditions	-20°C (-4 °F) to 2000 °C (3632 °F), humidity less than 95% (non-condensing), air cooling (using 25 °C air (77 °F air)), device cooling air inlet pressure not more than 1.0 MPa; · Maximum ambient temperature 2000 °C (3632 °F), 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 (2102 °F), 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 (1742 °F), 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 (1382 °F), 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 (248 °F), and the temperature of the outer wall at the device installation location must be below 60 °C (140 °F). Additional cooling equipment is required under high-temperature conditions.
Language	32 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
Dimension	Furnace Camera : 1040 × 138 × 156 mm (40.94" × 5.43" × 6.14") Pneumatic Device: 1100 × 330 × 260mm (43.31" × 12.99" × 10.24") Control Box: 875 × 651 × 253mm (34.45" × 25.63" × 9.96")
Package Dimension	Furnace Camera : 1265 x 313 x 282 mm(49.8" × 12.32" × 11.1") ; Pneumatic Device : 1566 x 356 x 458mm(61.65" × 14.02" × 18.03") ; Control Box : 1066 x 876 x 498mm(41.97" × 34.49" × 19.61")
Weight	Furnace Camera: 11.2 kg (24.69 lb.) Pneumatic Device: 32.775 kg (72.26 lb.) Control Box: 39.505 kg (87.09 lb.)
Material	Furnace Camera: Stainless Steel Pneumatic Device: Carbon Steel Control Box: Cold Rolled Steel Plate
With Package Weight	Furnace Camera: 15.2 kg (33.51 lb.) Pneumatic Device: 48.925 kg (107.86 lb.) Control Box: 45.66 kg (100.5 lb.)
General Function	Heartbeat, mirror, flash log, password reset via email, pixel counter, password protection, one-key reset, anti-banding
Approval	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021
Safety	CB: IEC 62368-1:2014+A11, CE-LVD: EN 62368-1:2014/A11:2017
Protection	Camera: IP66 Pneumatic Device: IP65 Control Box: IP65

▪ Available Model

DS-2XT6047G0-L/C200

DS-2XT6047G0-L/C200(NB)

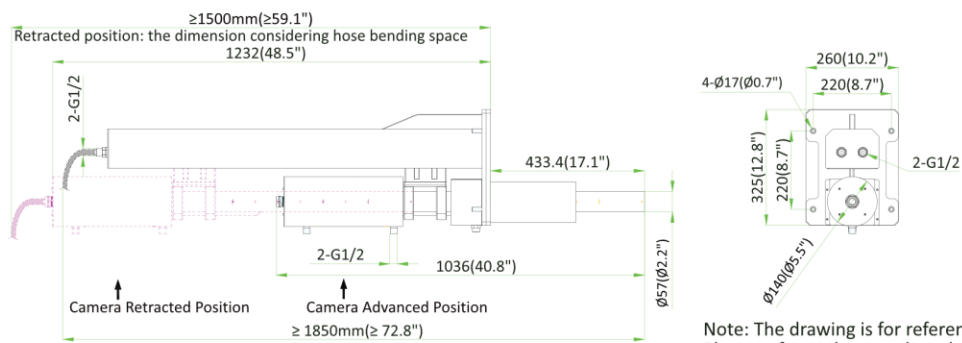
DS-2XT6047G0-L/C200(K)

DS-2XT6047G0-L/C200(60°)

DS-2XT6047G0-L/C200(K)(60°)

▪ Dimension

Camera (With Standard Furnace Wall Mounting Assembly)

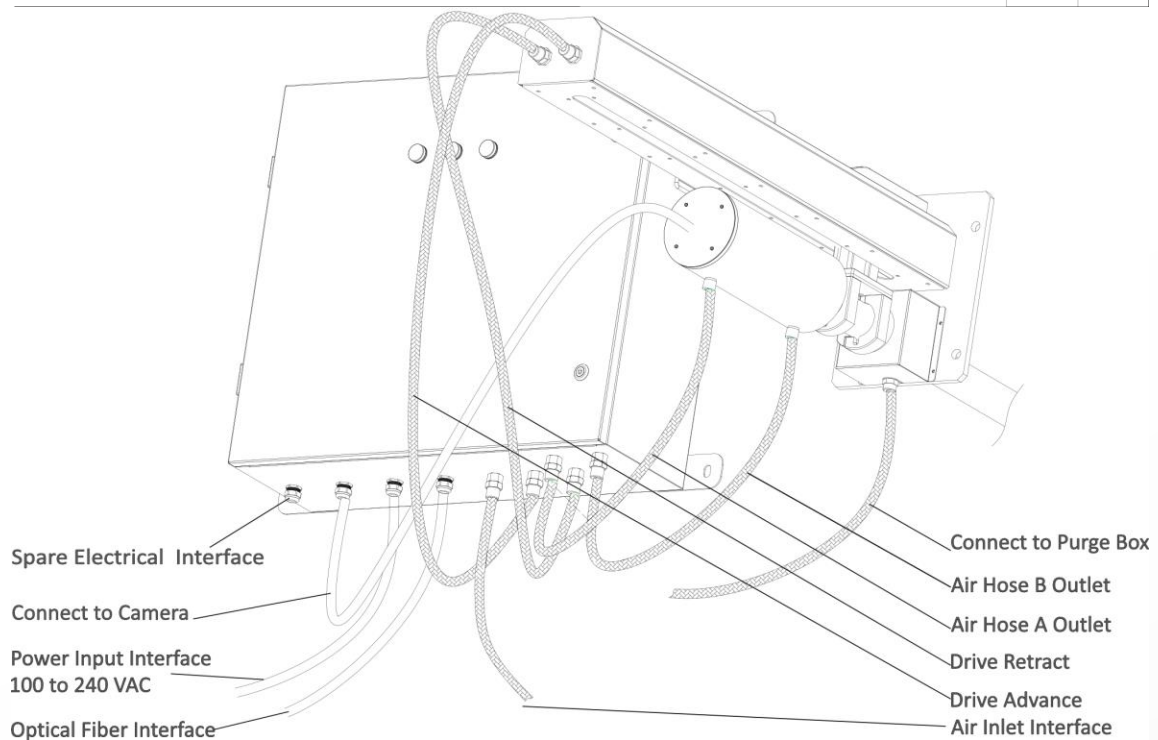


Note:
Taking the furnace wall thickness of 420 mm (16.5") as an example,
the overall system dimensions are as shown in the above diagram.

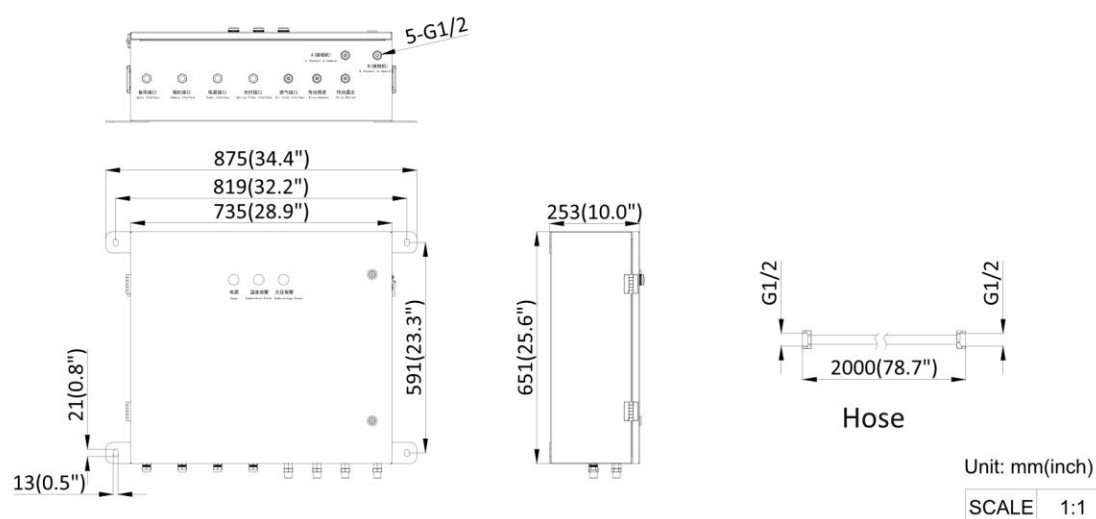
Note: The drawing is for reference only.
Please refer to the actual product.

Unit: mm(inch)

SCALE 1:1



Control Box



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