iQB41C-AD2PV4M1Z-E/W/G

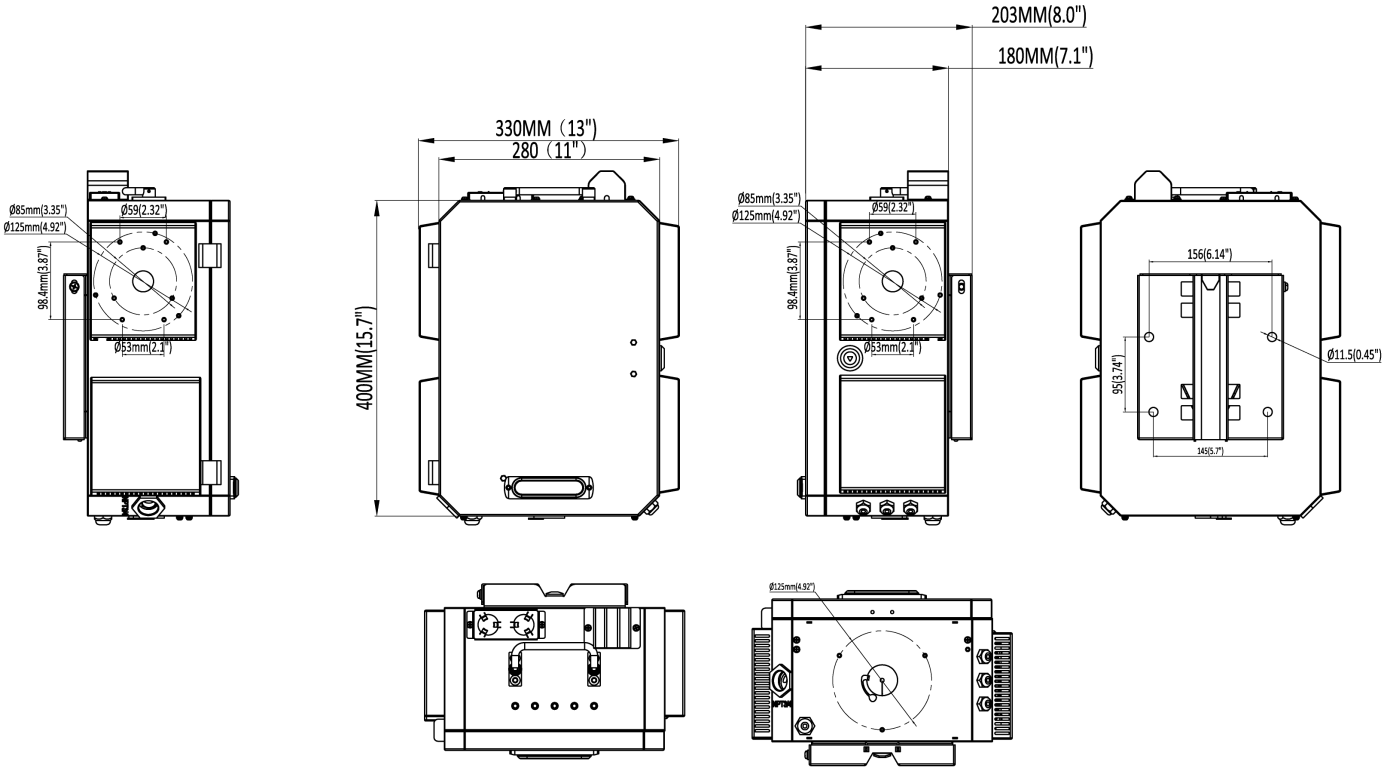
All-In-One Outdoor Surveillance Solution

iQB41C is a small remote monitoring box that supports AC power and is a vertical industry solution tailored for several typical application scenarios (e.g. construction sites, warehouses, parking lots).

Key Features

- 1 x iQBox with with Built-in 4 ports industrial PoE switch, support wall mount and pole mount
- 2 × 8MP turret, 1 × 5MP PTZ camera
- 1 x red and blue strobe light
- Support 1 x horn speaker
- Optional with 4G router or wireless bridge

Dimensions



iQB41C Specification

General	
Dimensions (H x W x D)	15.7" × 11.0" × 8.3" (400 × 280 × 212 mm)
Gross Weight	28.10 lb (12.75 kg)
Mount Type	Wall mount/Pole mount
Operating Conditions	(-25°C~+ 55°C) (-13°F~+131°F), Humidity ≤ 90% RH (non-condensing)
Protection Level	IP65
Power	
Power	AC110V
Power Interface	Cable conduit connector
Fan	
Fan	MTBF: 10 years Fan turn on at 86°F(30°C)
PoE Switch	
POE Ports	4 x Gigabit PoE ports; IEEE802.3af/at standard; Each with max 30W power
UPLink	1 x Gigabit SFP uplink port 1 x Gigabit RJ45 uplink port
Extension Board	One extension board is supported with one DC 12V interface, one audio output interface, and alarm interface of 3 alarm inputs and 3 alarm outputs

Camera Specification

Camera (IPC8MSB2R8-AD-TPMSC)	
Image Sensor	2 × 1/1.8" progressive scan CMOS sensor
Min. Illumination	0.0008 lux (Color), 0 lux with light
Illumination Distance	40m (warm light)
Strobe Light	N/A
Smart IR	N/A
Shutter Time	Auto/Manual, 1/3~1/100000s
Pan/Tilt/Rotation Range	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°
Day/Night	IR cut filter
Wide Dynamic Range	130 dB
Digital Noise Reduction	3D DNR
Lens	
Focal Length	4 mm
Aperture	F1.0

FOV	Horizontal FOV: 180° Vertical FOV: 44°
Lens Mount	M16
DORI	
DORI	4mm, D: 70 m, O: 28.5 m, R: 14.3 m, I: 7 m
Compression Standard	
Video Compression	H.264/H.264+/H.265/H.265+/MJPEG
H.264 Codec Profile	Base/Main/High profile
H.265 Codec Profile	Main Profile
Video Bit Rate	11 Kbps ~ 16 Mbps
Triple Streams	Support
Audio Compression	G.711A, G.711U
Audio Bit Rate	64 Kbps
Image	
Max. Image Resolution	5120 x 1440
Main Stream	50 Hz: 20 fps (5120 × 1440) 60 Hz: 20 fps (5120 × 1440)
Sub Stream	50 Hz: 20 fps (1920 × 544) 60 Hz: 20 fps (1920 × 544)
Third Stream	50 Hz: 20 fps (352 × 288) 60 Hz: 20 fps (352 × 240)
Image Setting	Brightness/Contrast/Saturation/Hue/Sharpness
BLC	Support
HLC	Support
ROI	Support
Smart Feature	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), Video Shelter
Smart Event	Line crossing detection, Area intrusion, Region Entrance, Region Exiting (support alarm triggering by specified target types (human and vehicle))
Face Detection	N/A
Network	
Network Storage	NAS (NFS, SMB/CIFS)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P
System Compatibility	Onvif (Profile S, Profile G, T) , CGI, SDK
Security	Password protection, complicated password, HTTPS encryption, IP address filter, basic and digest authentication for HTTP/HTTPS, TLS 1.1,1.2, WSSE and digest authentication for Open Network Video Interface
User	Up to 40 users

Web Browsers	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
Mobile Surveillance	IOS, Android
Active Deterrence	
Red/Blue Light Warning	Support
Sound Warning	Support
Interface	
Communication Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-board Storage	Up to 256GB
MIC	Support
Speaker	Support
Audio I/O	1/1
Alarm I/O	1/1
Reset Button	Support
General	
Operating Conditions	(-40 °C ~ 60 °C) (-40 °F ~ 140 °F) Humidity 95% or less (non-condensing)
Power Supply	DC 12V ± 25%
POE	PoE (802.3 af)
Power Consumption	MAX. 11 W
Protection Level	IP67
Material	Metal
Dimensions	4.73'' × 4.13'' × 12.88'' (120 × 105 × 327 mm)
Gross Weight	4.07 lb (1850 g)

Camera Specification

Camera (IPT651R5-Z32-AD-TPMSCR)	
Image Sensor	1/2.8" Progressive Scan CMOS Sensor
Min. Illumination	Color: 0.005 lux @ F1.6 B/W: 0.0005 lux @ F1.6 0 lux (IR light on)
Illuminator Number	2 (IR light) 2 (Laser infrared lamp) 2 (warm light) 2 (Dual light fusion)
Illumination Distance	200 m (IR light) 50 m (warm light)
Wavelength	850nm

IR On/Off Control	Auto/Manual
Active Deterrence LED	1pc red light, 1pc blue light
Smart IR	Support
Shutter Time	Auto/Manual, 1/3 ~ 1/100000s
Day/Night	IR cut filter with auto switch
Wide Dynamic Range	130dB
S/N	>56dB
Digital Noise Reduction	2D/3D DNR
Starlight	Support
Lens	
Focal Length	32X optical zoom/ 16X digital zoom, 4.8 ~ 154 mm
Aperture Range	F1.6 ~ F4.3
Field of View (H)	52.2° ~ 2.2°
Field of View (V)	39.9° ~ 1.7°
Field of View (D)	67.2° ~ 2.8°
Zoom Speed	5.66s
Focus Control	Auto; semi-auto; manual
Pan & Tilt	
Pan Range	360° endless
Pan Speed	Configurable from 0.1° to 240°/s; preset speed: 240°/s
Tilt Range	-15° to +90° (auto flip 180°)
Tilt Speed	Configurable from 0.1° to 80°/s, preset speed 200°/s
Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of Preset	255
Power-off Memory	Support
Patrol	32 automatic patrols
Preset Patrol	32 patrols, up to 32 presets for each patrol
Route Patrol	Support
Recorded Patrol	8 patrols, up to 128 actions for each patrol
Patrol Stay Time	15s ~ 255s
Preset Image Freeze	N/A
Home Position	Support
3D Positioning	Support

Active Deterrence	
Light Warning	Red and blue warning light
Sound Warning	Support
Compression Standard	
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Codec Profile	Base/Main/High profile
H.265 Codec Profile	Main Profile
Video Bit Rate	32Kbps ~ 16Mbps
Triple Streams	Support
Audio Compression	G.711A/G.711U
Audio Bit Rate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8KHz
Image	
Max. Image Resolution	5MP (2592 × 1944)
Main Stream	50Hz: 25fps: 2592 × 1944, 2304 × 1728, 1920 × 1080, 1280 × 960, 1280 × 720 60Hz: 30fps: 2592 × 1944, 2304 × 1728, 1920 × 1080, 1280 × 960, 1280 × 720
Sub Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288); 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
U-code	H.264+/H.265+
Image Setting	Brightness/Contrast/Saturation/Hue/Sharpness
White Balance	Support
Image Enhancement	BLC, HLC, 3D/2D DNR
ROI	Support
OSD	Support
Privacy Mask	N/A
Image Stabilization	Electronic (EIS)
Defog	Electronic
Smart Feature	
Basic Event	Motion detection, video shelter
Smart Event	Smart motion detection, line crossing, area intrusion, region entrance, region exiting (support alarm triggering by specified target types (human and vehicle))
Auto Tracking	Support

General Function	IP Address Filtering, Alarm input, Alarm output, Access Policy, RTSP Authentication, User Authentication
Face Detection	Support
Network	
Network Storage	NAS (NFS/CIFS)
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, IGMP, UPnP, SMTP, UPnP-TM, P2P
System Compatibility	Onvif (Profile S, G,T), CGI
Security	User authentication, IP address filtering, video mask
User	40
Client	VMS
Web Browsers	Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+
Mobile Surveillance	IOS, Android
Interface	
Communication interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-board storage	Up to 512GB
MIC	Support
Speaker	Support
Audio I/O	1/1
Alarm I/O	2/1
Serial Port	N/A
Video Output	N/A
Reset button	Support
General	
Operating Conditions	(-40 °C ~ 70 °C) (-40 °F ~ 158 °F) Humidity 95% or Less (Non-Condensing)
Power Supply	DC36V
POE	PoE++ (802.3.bt)
Power Consumption	MAX. 40 W
Protection Level	IP67
Protection	6000V lightning protection, surge protection and anti-surge protection
Dimensions	7.48'' × 13.38'' (190 × 339.8 mm)
Gross Weight	16.86lb (7650 g)