4K IP Pro Box Camera

SC-IM82XP-I(Z)(H)(B)

Key Features

- 1/1.8" Progressive scan CMOS
- Support low bit rate, low delay and ROI enhance coding
- Tertiary Stream Support
- H.265+ high effective compression, save bandwidth and Storage space
- Multiple compression techniques H.265/H.264/MJPEG
- Support 3D digital N/R, HLC, BLC, super WDR
- Auto Back Focus (Optional)
- Support bi-directional talk
- SD card Storage upto 256GB

Product Specifications

Camera Parameters

Image sensor	1/1.8" Progressive scan CMOS
Min. illumination	Color: 0.01Lux @ F1.2, B/W: 0.005Lux @F1.2
Electronic Shutter	Auto (1~1/100000s Adjustable)
Exposure Level	Level 0~10
Day/ Night Mode	ICR switch, Auto, Day, Night, Customize Mode
Lens	C/CS Mount
Focus Control	Manual
Iris Control	P-Iris/ DC Iris
IR Distance	External IR Illuminator Support
S/N ratio	≥65db (AGC OFF)
Output	PAL/NTSC adjustable
WDR	Low/High/Auto three level, 140 dB
BLC	OFF/ON
HLC	Off, General Mode, Enhanced Mode
3D N/R	Auto /Manual
2D N/R	Auto /Manual
Defog	Off/Low/Middle/High
Mirror	Off/ON, rotating 180°, Flip Horizontal, Flip vertical
Corridor Mode	Off, Clockwise 90°, Anticlockwise 90°
Slow Shutter	Off/ON
Gain Control	High, Higher, Medium, Lower, Low
Anti-Flicker	10 levels of anti-flicker adjustments
Smart IR	Auto, Manual, Customised
Day/Night Switch Refocus	With this option enabled, the camera will refocus when switching between day mode and night mode
Exposure Mode	High Light/Low Light
White Balance	Auto/ Manual, Incandescent Lamp, Warm Light Lamp, Natural Light, Fluorescent Lamp Schedule mode
Reduce Motion Blur	On, Off, deblur level from 1 to 100.
Digital Image Stabilisation	Decrease the blur and shakiness of the image
Sharpness	Auto /Manual (0-255)
Video Profiles	(Normal, Day, Night) with configurable video settings
Video Profile Scheduling	Normal, Full Day, Scheduled
Image setting	Brightness, Contrast, Saturation, Sharpness, Hue

Audio/Video Encoding

Video compression	H.265 +/H.265/H.264 +/H.264/MJPEG
Max Resolution	3840x2160
Frame Rate	**Main Stream**: (3840x2160, 3072x2048,2592x1944,2592x1520,2048x1536) @25/30fps, (1920x1080, 1280x960,1280x720, 704x576) @ 50/60fps **Sub Stream:** (704x576, 640x480, 640x360, 352x288, 320x240, 320x192, 320x180) @25/30fps. **Third Stream**: 1920x1080, 1280x720, 704x576, 640x480, 640x360, 320x240, 320x192, 320x180) @25/30fps
Video bit rate	Constant bit rate, variable bit rate (16kbps-16Mbps)
Audio compression	G.711-ULaw, G.711-ALaw, AAC LC, G.722 and G.726
Audio bit rate	8-256Kbps
Audio Denoise	On/Off
Audio control	Support input/output volume control
Audio Noise Reduction	ON/OFF
Audio Gain Control	ON/OFF, 0-100
Overlay	
Channel Title	ON/OFF
Date & Time	ON/OFF
Custom Text	Custom Fields with Left & Right Alignment configuration
Font Color	Selectable
Font Size	Small, Medium, Big
ROI Zones	8 mask areas
Smart analysis	
Audio Detection	Support
Advanced Motion Detection	It can filter out "noise" such as lighting changes, natural tree movements, etc
Privacy Masking	8 Zones
Human Detection	Detect whether an object is a human or not and tracks of the moving object will show on the screen.
Line Crossing Detection	4 Lines, Crossing a pre-defined virtual line
Face Detection/Human Detection	This function can detect the Humen/Faces appearing in the drawn area (optional)
Intrusion Detection	Enter and loiter in a pre-defined virtual region
Region Entrance	Enter a pre-defined virtual region from the outside place
Region Exiting	Exit from a pre-defined virtual region
Abandoned Object	Objects left over in the pre-defined region such as the suspicious baggage, toy, dangerous materials
Missing Object	Objects removed from the pre-defined region, such expensive article in a museum.
People Counting	Object Counting (Entrance and Exit object number is counted and showed on screen in real time)
Loitering Detection	Detect in case of loitering in monitored areas
Tempering Alarm	Detect camera is moved, partially obscured, severely defocused, covered or sprayed
Pre-Post Alarm	0-10 Sec Pre & 1-120 Min Post
Snapshot	1~5, Snapshot Interval 1-10 Sec
Event linkage	Snapshot, SD card video,Email, alarm output linkage, FTP Upload, SMTP Upload, Call to SIP Phone, Play Audio, HTTP Notification, etc
Network	
Network Storage	NAS (Support NFS, SMB/CIFS), FTP
Alarm Trigger	Motion detection, tampering alarm, VQD alerts, network disconnect, IP address conflict, storage exception
Protocols	IPv4/IPv6, ARP, TCP, UDP, RTCP, RTP, RTSP, RTMP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP V1/v2, SNMP v3, UPnP, Bonjour, SIP, PPPoE, VLAN, 802.1x, QoS DSCP, IGMP, ICMP, SSL, Http Notification- Basic & Digest authentication, SMB, CIFS ,Secure Shell (SSH)
Webcasting	On/OFF, Distributed Audio Video Stream over the Internet to many simultaneous listeners/viewers on YouTube or Any RTMP Player
SIP/VoIP Support	Dial on the camera's IP address/ID through SIP phone, so you can see the video
Streaming	Unicast and Multicast
General Function	User Authentication, Watermark, IP address filtering
System Compatibility	ONVIF (Profile S), ONVIF (Profile G), ONVIF(Profile T), ONVIF(Profile Q), API
Max User Access	20

Recording & Playback

SD Card	Support Max 256G,Micro SD (SDHC /SDXC) card local storage
NAS Disk	Support up to 5 NAS disks
Playback	Date & Time, Event

Interfaces

Ethernet	1 RJ45 10M/100M Ethernet port
Audio	1 Audio Input; 1 Audio Output
Alarm	1 Alarm input; 1 Alarm output
Reset	Support

General

Operating Conditions	-40 °C ~ 60 °C Humidity 95% or less (non-condensing)
Storage Conditions	-50 °C ~ 70 °C Humidity 95% or less (non-condensing)
Power Supply	PoE(802.3af)/DC 12V±10%
Power Consumption	8.7W Max
Dimension & Weight	115mmX62mmX50mm, 407g
Product Certification	Safety: CE, FCC, EN:60950-1, IS-13252 (Part 1):2010, BIS Registered, IEC 60950-1:2005 Immunity: CE,FCC

Ordering Information:

Sr. No	Model	Resolution	ABF Support
1.	SC-IM82XP-I(Z)(H)(B)	3840x2160@25fps	No
2.	SC-IM82XP-I(Z)(H)(B)	3840x2160@25fps	Yes
3.	SC-IM82XP-I(Z)(H)(B) with 30 FPS	3840x2160@30fps	No
4.	SC-IM82XP-I(Z)(H)(B) with ABF & 30 FPS	3840x2160@30fps	Yes

*Note: Product design specifications and colors are subject to change without notice to improve Reliability, Function or Design or otherwise. Errors and omissions excepted.

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