HICC-P-2100X

2M / 1080P 60fps TDN WDR IP Box Camera

Honeywell HICC-P-2100X combines world-class imaging and camera technology with the IP networking innovation, providing streaming images in 60 frame per second (fps) at 2 Megapixels / 1080P resolution. The camera also features H.264 high profile, True Day/Night (TDN), Wide Dynamic Range (WDR) and P-iris to deliver high quality images at different lighting conditions.

The use of the advanced P-iris technology improves image sharpness and usability. P-iris optimizes iris opening automatically at various lighting conditions that enhances image contrast, depth of field and clarity – which eventually improves the overall image quality. The HICC-P-2100X is also programmed with a number of video analytics functions including object detection, audio detection, face detection, camera tampering and tripwire detection (Cross Line).

With H.264 high profile compression format, the HICC-P-2100X saves network bandwidth and storage even for high frame rate recording. The HICC-P-2100X is equipped with built-in Power over Ethernet (IEEE 802.3af), which allows power to be supplied to the camera using the network, eliminating the need for a separate power supply and reducing the cost of installation. For additional installation flexibility, the HICC-P-2100X can also be powered with DC 12V and AC 24V. The camera also supports ONVIF Profile S for interoperability between network video products.

Market Opportunities

Featuring Full HD 1080P with 60fps, H.264 high-profile video compression, TDN, WDR, P-iris, built-in video analytics, PoE and ONVIF interface, the HICC-P-2100X optimizes surveillance performance for applications that require excellent image clarity and high-definition imaging at minimal bandwidth. It meets the high standard requirements for critical facilities such as metro, banks, railway, financial institutes, government buildings, airports etc.

FEATURES

- 1080p resolution, 60fps or WDR mode selectable
- Advanced P-iris. Auto back focus
- Gigabit (1000Base-T) Ethernet
- H.264 high profile, main profile and baseline and MJPEG simultaneously
- Video analytics built-in: object detection, audio detection, face detection, camera tampering and tripwire detection (Cross Line)
- TDN, WDR, Front Light Compensation (FLC)
- Built in Power over Ethernet
- Support IPv6, SNMP protocol
- Compatible with Honeywell Universal Surveillance (HUS) and Honeywell NVRs
- ONVIF Profile S compatible

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SPECIFICATIONS

Model	HICC-P-2100X
Camera	
Image Device	1/2.8" SONY progressive scan Exmor^{TM} image sensor
Effective Pixels	1920 x 1080 pixels
Lens	C/CS mount
Day & Night	TDN, Mechanical
Min. illumination	Color: 0.02 lux @F1.4 (AGC on) B/W: 0.005 lux @F1.4 (AGC on)
IRIS	Support P-iris or DC Iris Lens (switchable)
Video	
Video Encoder	H.264 (baseline, main-profile, and hi-profile) and MJPEG simultaneously
Video Profile	Dual stream
Frame Rate	Up to 60fps for 60fps mode Up to 30fps for WDR mode
Main Stream Resolution	WDR mode: 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x480, 720x576, 720x480, 704x576, 640x480, 352x288, 352x240, 320x240, 320x192, 176x144, 160x120 60fps mode: 1920x1080
Second Stream Resolution	WDR mode: 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x480, 720x576, 720x480, 704x576, 640x480, 352x288, 352x240, 320x240, 320x192, 176x144, 160x120 60fps mode: 640x480
Bit Rate	24 - 15,000kbps
Electronic Shutter	Auto mode: 1 - 1/3000 sec Manual mode: 1/2 - 1/10000 sec
Iris Exposure Control	Auto / Auto Indoor / Manual Exposure
Photometry Method	Average / Center / Spot / BLC / FLC
Image Setting	AE (AGC), AWB, 3D Noise reduction, WDR, Exposure value, Color, brightness, sharpness, contrast, Hue, BLC, FLC (Front Light Compensation), Mirror/Flip, Privacy Masking, DIS (Digital Image Stabilizer)
WDR Strength	0 - 5. Maximum 120dB
3D De-Noise Strength	0 - 8
2D De-Noise Strength	0 - 9
Auto Back Focus	Auto / Manual C mount / CS mount selectable
On Screen Display	Text, time and date overlay, Editable OSD
Streaming	Simultaneously dual streaming; Streaming over UDP, TCP, HTTP, or HTTPS; M-JPEG streaming over HTTP (server push); Controllable frame rate and bandwidth; Constant and variable bit rate (H.264); Area of Interest (AOI)
Audio	
Audio Encoder	RTSP: G.711 64kbps, G.726 32kbps
Audio Streaming	One-way or two-way
Microphone	External microphone
Audio Output	Adjustable audio output gain

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SPECIFICATIONS

Model	HICC-P-2100X
Network	
Supported Protocols	IPv6, IPv4, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, DIPS, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, 3GPP, Samba, ICMP, SNMP, QoS (DiffServ)
Security	Password protection, IP address filtering, HTTPS encrypted data transmission, user access log
Users	8 simultaneous unicast users
Ethernet	10/100/1000M auto negotiation
System Integration	
Application Programming Interface	ONVIF; Open API for software integration; SDK
Event Detection	External input; Object Detection; Audio detection; Face detection; Camera tampering; Tripwire detection (Cross Line)
Object Detection	Detection with Entrance, Desertion or Theft options
Audio Detection	Audio level 0-100
Camera Tampering	Camera defocus / move direction / mask
Alarm Events	File upload via FTP or email; File upload via Samba to NAS; Notification via email, HTTP, and TCP; External output activation; Audio alerting output; mSD card local storage
Video Buffer	Pre- and post- alarm buffering
Built-in installation aid	Pixel counter
General	
OS	Windows 7, 8
Browser	IE 8.0 or later
Supported Platform	Honeywell Universal Surveillance (HUS) and NVRs
ONVIF compatible	ONVIF Profile S
Power Supply	12V DC / AC24V
PoE	IEEE 802.3af class 3
Power Consumption	8W (12V DC in)
I/O Connectors	RJ-45 10Base-T/100Base-TX/1000Base-T; 12VDC power jack; AC24V Terminal; 1 alarm input and 1 output; RS485; Audio out; External MIC input; Factory default reset; mSD card
Edge Storage	32G
Indication LED	Green and orange LEDs
Operating Temperature	-10°C to 55°C
Operating Humidity	10% ~ 90% (non-condensing)
Dimensions	125 x 58 x 62 mm
Weight	380g
Certificate	CE, FCC

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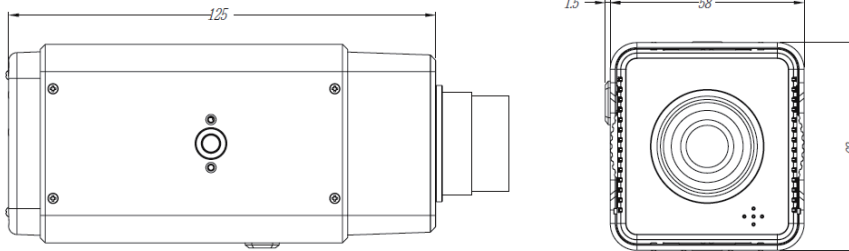Note: Honeywell reserves the right, without notification, to make changes in product design or specifications.

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DIMENSIONS

125

15 58

22

Unit: mm

ORDERING

HICC-P-2100X	1080P@60fps IP box camera, H.264 high-profile, P-iris, TDN, WDR, ABF, FLC , VA built-in, PoE,12V DC/24V/AC, ONVIF Profile S (2.0+)

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Honeywell