



June 28, 2019

To: April Fisher
City Planner
City of Belle Isle
1600 Nela Avenue
Belle Isle, FL 32809

Re: **Continuance of Public Hearing Cases 2018-08-057 and 2018-08-062 for 1853 McCoy Road**

Dear Ms. Fisher,

Please find below our responses in **bold** to the City of Belle Isle Planning and Zoning Board comments dated March 26, 2019.

1. Clarify and provide the total square-footage of office and lobby area on the site plan pages. This is defined as office and any common useable areas by office staff and/or customers.

Please see the Concept Layouts sheet for the existing, proposed and total public areas.

2. Correct the parking space counts and calculations provided to accurately reflect the actual existing spaces on the property, clarify the ratios (number of spaces per Belle Isle code requirements) for what is existing and what is proposed. Please note that the site plan page C-1 previously submitted has conflicting tables.

Please see the project information provided on the cover for the total number of existing paces, total number of proposed spaces, Belle Isle Code of Ordinances minimum parking required, and proposed parking ratio.

3. Provide extended stay restriction language you are proposing to the Board along with documentation of the industry standards for a flag hotel that define required guest and in-room amenities such as microwaves and refrigerators, and on-site guest laundry facilities. With this information, please provide a response to the City Attorney's draft language regarding the extended stay restriction:

As a condition of the variances requested, there is a prohibition on extended stay hotels on the property. For the purposes of this restriction 'extended stay hotel' means a hotel, motel or other public lodging establishment with guest rooms for lodging offered to the public for compensation, which: (i) ore advertised, designed, intended or routinely utilized for weekly or monthly occupancy; or (ii) any of the guest rooms have cooking facilities, dishwasher, kitchenette sink or a refrigerator larger than 3.2 cubic feet. "Cooking Facilities" shall mean a stove top burner; a hotplate that does not serve as an integral part of an appliance designed

solely to produce coffee; a conventional oven; a convection oven; a grill; a hibachi; or any oven producing heat using resistance heating elements or infrared heating sources. Microwaves and coffee makers shall not be considered Cooking Facilities.

The developer takes no objections to the extended stay restriction language as proposed by the City of Belle Isle.

4. Provide documentation that the existing fence on-site has been patched-up so that there are no gaps in the fence. This may be achieved with temporary materials such as chain-link fencing.

Photos of repaired fence are attached at the end of this response letter.

5. Provide a site plan page that shows detail of the proposed fence replacement for the property. This must include locations of the new fencing and adequate details of fence style, dimensions, and design.

Please see site plan sheet C100.

6. Provide a site plan page that shows detail of the proposed security camera upgrades. This must include locations of the proposed and existing cameras both inside and outside the hotel (both the existing and proposed buildings). With this, specifications and data must be provided that identify how the security system will interface with the Belle Isle Police Department.

Please see Security Concept Plan and additional camera system specifications provided at the end of this response letter.

7. Provide a conceptual drainage plan for the site plan that details existing drainage conditions and systems; piping; where the water goes; and, treatment proposed for the existing development and proposed addition.

The existing development drains to a wet retention area on the northeast corner of the site, which then discharged through an existing 24” pipe, which connects to an existing curb inlet within the McCoy Road ROW. The proposed conceptual drainage plan provides new drainage sewers and manholes to route the existing system around the proposed improvements. The proposed drainage system shall use the existing retention area to treat the runoff. The existing outfall pipe shall be re-routed to accommodate the new structure, but the outfall will remain tied into the existing curb inlet serving McCoy Road. The existing control structure may be modified if necessary. Complete stormwater calculations shall be provided with a future submittal. See sheet C200 Conceptual Paving, Grading & Drainage Plan for proposed storm sewer layout.



8. Provide a landscaping plan consistent with Belle Isle Code Sec. 50-75. This shall include upgrading the existing buffers on site to meet current code requirements with respect to planting materials required and replacement of any existing dead or declining buffer vegetation on the whole property.

Please see sheet L-1 Landscape Plan

9. Provide a lighting photometric plan with foot-candle data to ensure no light pollution occurs onto adjacent residential properties.

Please see Site Photometrics plan sheet.

Should you have any questions, please contact me by phone at 407-574-7806, or via email at amenna@jordancompanies.com.

Sincerely,

Alexander Menna, P.E.
Senior Civil Engineer

INTEGRITY
IS OUR
FOUNDATION

EXISTING ON-SITE FENCE PHOTOS

EAST SIDE OF PROPERTY FACING SOUTH:



EAST SIDE OF PROPOERTY LOOKING SOUTH:



EAST SIDE OF PROPERTY LOOKING SOTUH:



WEST SIDE OF PROPERTY LOOKING SOUTH:



WEST SIDE OF PROPOERTY LOOKING SOUTH:





Critical Integrated Systems, LLC
FIRE • INTRUSION • ACCESS • VIDEO SURVEILLANCE • NURSECALL
 530 S. Ronald Reagan Blvd, Suite 132 • Longwood, FL 32750
 Tel: 407-834-0051 • Toll Free: 888-350-5965 • EC13003162

PROPOSAL SUBMITTED TO:					
DATE: 07-02-19	ATTN: Amir Dhanji			JOB NAME: Same	
NAME: Days Inn and Suites OIA				STREET:	
STREET: 1853 McCoy Road				CITY:	STATE:
CITY: Orlando	STATE: Fl.	32809	PHONE: (561) 846-9200	EMAIL: Ardhanji@gmail.com	

CIS proposes to perform the following: Install the CCTV camera system.

- 1- (1) 32 Chanel NVR 4K.
- 2- (26) Indoor/ Outdoor Bullet Cameras.
- 3- (2) POE Switches
- 4- (1) Surge Power Strip Outlet
- 5- (21) Surge suppression for outdoor cameras.
- 6- 2,500ft of Cat 6 wire.
- 7- Wire and miscellaneous hardware for the devices.
- 8- Labor to install, program and testing of newly installed equipment.
- 9- (1) Scheduled In Service (class) for instructions on utilizing equipment.

Notes:

- 1- Price is based on normal working hours Monday – Friday 7:30am – 4:30pm.
- 2- Priced based on all locations agreed upon before installation.
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- 4- Customer to provide computer for remote access.
- 5- Customer to provide access to chase ways for interior work.
- 6- Customer to provide raceway from building to building (telephone room). No to include unforeseen deficiencies in existing wire.
- 7- Price based on utilizing existing wire any faulty wiring or wire not compatible will require an additional pricing.
- 8- Price based on mounting cameras on existing walls or poles (no pedestals or mounts included).
- 9- If no access to camera locations through provided chase ways, hollow ceilings or telephone rooms, exterior conduit will be installed.
- 10- Not to include paint or patch work that maybe required after installation.
- 11- Not to include a Lift.
- 12- Not to include core drilling
- 13- Not to include trenching.
- 14- Any additional equipment or service requested other than mentioned above or changes will be considered an addition to the dollar amount.

Payment as follows:
 50% contract Execution
 40% Installation Complete
 10% Permit and Final Inspection with customer
 Plus sales tax when applicable.

We hereby propose to furnish labor and materials-complete in accordance with the above specifications, FOB our company's warehouse unless otherwise specified.
Thirty Two Thousand Two Hundred Dollars----- dollars (**\$32,200.00**)with payment to be made as follows: **Progress Billing**

Terms: Net 15, 1 1/2%/MTH On Overdue Accounts.

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate.

All agreements contingent upon strikes, accidents or delays beyond our control.

We will provide a one year warranty covering materials & labor, excluding Acts of God, fire theft, vandalism, or tampering by unauthorized personnel. This proposal subject to acceptance by officer of Critical Integrated Systems and within **30** days and is void thereafter at the option of the undersigned.

Company Representative	<u>Manuel Perez</u>	Date:	<u>7/3/2019</u>
Authorized Officer Signature	<u>Manuel Perez</u>	Date:	<u></u>
	<u>Ken Sample</u>		

ACCEPTANCE OF PROPOSAL

The above prices , specifications and conditions are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. The terms and conditions contained on the reverse side of this agreement are incorporated herein and by reference made a part hereof.

ACCEPTED:	<u></u>	Signature:	<u></u>
Date	<u></u>	Signature:	<u></u>

Additional Conditions

Cost of Living

1. The cost of any charges and/or additions to the system as herein contracted or as originally installed, made at the request of or made necessary or required by Client's action, or which may be required by any government agency or insurance interest or inspection and rating bureaus are to be borne by Client. CLIENT ACKNOWLEDGES THAT CLIENT HAS CHOSEN THE SYSTEM AND THAT ADDITIONAL PROTECTION IS AVAILABLE AND MAY BE OBTAINED FROM COMPANY OVER AND ABOVE THAT PROVIDED HEREIN, AT AN ADDITIONAL COST TO CLIENT. All risk of loss or damage to the system shall be borne exclusively by Subscriber.
2. IT IS UNDERSTOOD AND AGREED BY THE PARTIES HERETO THAT THE COMPANY IS NOT AN INSURER, AND THAT INSURANCE, IF ANY, COVERING INJURY AND PROPERTY LOSS OR DAMAGE ON CLIENT'S PREMISES SHALL BE OBTAINED BY THE CLIENT THAT THE PAYMENTS HEREIN BEFORE NAMED ARE BASED SOLELY UPON THE VALUE OF THE SERVICES HEREIN DESCRIBED AND IT IS NOT THE INTENTION OF THE PARTIES THAT THE COMPANY ASSUME RESPONSIBILITY FOR ANY LOSS OR DAMAGE SUSTAINED THROUGH BURGLARY, THEFT, ROBBERY, FIRE OR OTHER CAUSE, OR THAT THERE EXISTS OR SHALL EXIST ANY LIABILITY ON THE PART OF THE COMPANY BY VIRTUE OF THIS AGREEMENT OR BECAUSE OF THE RELATIONSHIP HEREIN ESTABLISHED IF NOTWITHSTANDING THE ABOVE PROVISIONS, THERE SHOULD ARISE ANY LIABILITY IS AND SHALL BE LIMITED TO A SUM EQUAL IN AMOUNT TO THE SERVICE CHARGE HEREUNDER FOR A PERIOD OF SERVICE NOT TO EXCEED SIX (6) MONTHS, OR \$250.00 WHICHEVER IS THE GREATER, WHICH SUM SHALL BE PAID AND RECEIVED AS LIQUIDATED DAMAGES, AND NOT AS A PENALTY, AND THE LIABILITY FOR SAID PAYMENTS SHALL BE COMPLETE AND EXCLUSIVE. IN THE EVENT THAT THE CLIENT WISHES THE COMPANY TO ASSUME GREATER LIABILITY, THE CLIENT MAY, AS A MATTER OF RIGHT, OBTAIN FROM THE COMPANY A HIGHER LIMIT BY PAYING AN ADDITIONAL AMOUNT PROPORTIONED TO THE RESPONSIBILITY AND A RIDER SHALL BE ATTACHED TO THIS AGREEMENT, SETTING FORTH THE ADDITIONAL LIABILITY OF THE COMPANY AND THE ADDITIONAL CHARGES, HOWEVER SUCH ADDITIONAL OBLIGATION SHALL IN NO WAY BE INTERPRETED TO HOLD THE COMPANY AS AN INSURER.
3. In the event any person, not a party to this Agreement, shall make any claim or file any lawsuit against Company for any reason relating to Company's duties and obligations pursuant to this Agreement, including but not limited to the design, installation, maintenance, monitoring, operation, or nonoperation of the alarm system. Client agrees to indemnify, defend and hold Company harmless for any and all claims and lawsuits, including the payment of all damages, expenses, cost, and attorney's fees, whether these claims be based upon alleged intentional conduct, active or passive negligence, or strict or product liability on the part of the Company, its agents, servants or employees.
4. Client acknowledges that this Agreement, and particularly those paragraphs relating to disclaimer of warranties, liquidated damages and third party indemnification, more to be the benefit of and are applicable to any subcontractors employed by Company to provide monitoring, maintenance, installation or service of the alarm system(s) provided herein, and that they bind Client to said subcontractors with the same force and effect as they bind Client to Company.
5. Company shall have the right to assign this Agreement to any other person, firm, or corporation without notice to Subscriber and shall have the further right to subcontract any services which it may perform.
6. Client and/or its agents represents and covenants that he has full authority to enter into this Agreement and the undersigned personally guarantees all payments covered by this Agreement.
7. In the event any of the terms or provisions of this Agreement shall be invalid or inoperative, all of the remaining terms and provisions shall remain in full force and effect.
8. This writing is intended by the parties as a final expression of their agreements and as a complete and exclusive statement of the terms thereof. This agreement supersedes all prior representations, understanding or agreements of the parties, and the parties rely only upon the contents of this Agreement in executing it. This agreement can only be modified in writing signed by the parties or their duly authorized agent. No waiver of a breach of any term or condition of this Agreement shall be construed to be a waiver of any succeeding breach.
9. All notices to be given hereunder shall be in writing and may be served either personally or by mail, postage prepaid to the addresses set forth in the agreement or to any other from time to time.
10. COMPANY'S LIABILITY, DISCLAIMER OF WARRANTIES COMPANY DOES NOT REPRESENT OR WARRANT THAT THE ALARM SYSTEM MAY NOT BE COMPROMISED OR CIRCUMVENTED: OR THAT THE SYSTEM WILL PREVENT ANY LOSS BY BURGLARY, HOLDUP, FIRE OR OTHERWISE: OR THAT THE SYSTEM WILL IN ALL CASES PROVIDE THE PROTECTION FOR WHICH IT IS INSTALLED OR INTENDED, CLIENT ACKNOWLEDGES AND AGREES: THAT COMPANY HAS MADE NO REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED, AS TO ANY MATTER WHATSOEVER INCLUDING WITHOUT LIMITATION THE CONDITION OF THE EQUIPMENT, IT'S MERCHANTABILITY, OR ITS FITNESS FOR ANY PARTICULAR PURPOSE: NOR HAS CLIENT RELIED ON ANY REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED: THAT ANY AFFIRMATION OF FACT OR PROMISE SHALL NOT BE DEEMED TO CREATE AN EXPRESS WARRANTY AND THAT THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE OF THE AGREEMENT HEREOF; THAT COMPANY IS NOT AN INSURER; THAT CLIENT ASSUMES ALL RISK OF LOSS OF THIS AGREEMENT, PARTICULARLY PARAGRAPH 2 WHICH SETS FORTH COMPANY'S MAXIMUM LIABILITY IN THE EVENT OF LOSS OR DAMAGE TO CLIENT OR ANYONE ELSE.
11. RECEIPT OF COPY: CLIENT ACKNOWLEDGES RECEIPT OF A COPY OF THIS AGREEMENT. THIS AGREEMENT SHALL NOT BE BINDING UPON COMPANY UNLESS APPROVED IN WRITING BY AN OFFICER OF COMPANY, IN THE EVENT OF NON-APPROVAL. THE SOLE LIABILITY OF COMPANY SHALL BE TO REFUND TO CLIENT THE AMOUNT THAT HAS BEEN PAID TO COMPANY BY CLIENT UPON THE SIGNING OF THIS AGREEMENT.

PWR-POE-16

16-Port 10 / 100 / 1,000 Ethernet PoE Switch

Power-over-Ethernet (PoE) integrates 48V power and data onto a single cable, eliminating the need to have AC power available at all equipment locations. Power and Data are integrated onto the same cable, supporting both Cat5E and Cat6 wiring.

The switch provides power to PoE compatible devices, such as VOIP Telephones, Wireless LAN access points, and IP Security Cameras. PoE devices are readily in the market, saving up to 50% of overall installation costs by eliminating the need to install separate electrical wiring and power outlets.



Revision: 1.0; August 2017

IC Realtime LLC

3050 N Andrews Avenue Extension
Pompano Beach, FL 33064
(866) 997-9009

www.icrealtime.com



SPECIFICATIONS

Technical	
Ethernet Ports	2 – 10 / 100 / 1,000 Base-T 16 – 10 / 100 Base-T PoE Power Supply
PoE Power Consumption	≤ 30W / port; ≤ 250W Total
PoE Protocols	IEEE802.3af & IEEE802.3at
Switching Capacity	24.8G
Packet Forwarding Rate	5.36Mpps
Operating Humidity	10% - 90%
Power	AC100 / 40V
Lightning Protection	Common Mode: 2KV Differential Mode: 1KV
Operating Temperature	4°F ~ 131°F / -10°C ~ 55°C
Weight	5.93lbs. / 2.69kg
Dimensions (WxDxH)	17.4"x4.9"x1.8" / 442mmx124mmx44.5mm

Service Characteristics	
System	Username / password: admin/admin IP Address :192.168.1.200/24

PoE Budget	250W
MAC Table	16K
VLAN	Port-based VLAN 802.1Q Standard VLAN
Spanning Tree	STP RSTP
Port Aggregation	Link aggregation
Mirroring	Supports many-to-one port mirroring
Flow Control	Supports half-duplex based on back-pressure type control Supports full duplex based on PAUSE frame
Multicast	IGMP Snooping
Security Features	Hardware supports IP & MAC binding based on port Supports IEEE802.1x port authentication
System Maintenance	Supports config file upload & download Supports updated packet upload Supports system logs
Network Management	Web GUI (HTTP & HTTPS supported)



Check Out Our Mobile App Lineup

IC Realtime LLC

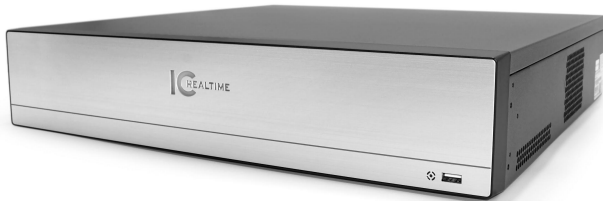
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NVR-732N

32 Channel 2U 4K&H.265 Lite Network Video Recorder



- Smart H.265+/H.265/Smart H.264+/H.264
- Max 200Mbps Incoming Bandwidth
- Up to 8MP Resolution for Preview and Playback
- Up to 2ch@4K/8ch@1080P decoding
- HDMI/VGA simultaneous video output

System Overview

The 700 series is introduced as the first Lite series NVR that supports for 4K and H.265 encoding technology with excellent performance at an affordable price. For applications where image details are highly required, it delivers the capability of 4K resolution processing. The NVR can be served as edge storage, central storage or backup storage with an intuitive shortcut operation menu for remote management and control. Due to its cost-effective and easy-to-install design, this NVR is ideal for a wide range of applications such as public safety, water conservancy, transportation, city centers, education, and financial institutions. The NVR is compatible with numerous third-party devices making it the perfect solution for surveillance systems that work independently of video management system (VMS). It features an open architecture that supports for multi-user access and is compatible with ONVIF 2.4 protocol, enabling interoperability with IP cameras.

4K Resolution

4K resolution is a revolutionary breakthrough in image processing technology. 4K delivers four times

the resolution of standard HDTV 1080p cameras and offers superior picture quality and image details. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Intelligent Video System

Working with IVS-enabled IP cameras, the NVR recognizes and records video that contains IVS data on all IP channels. The NVR records standard intelligence at-the-edge features, as well as premium IVS features that detect abandoned or missing objects, Tripwire violations, and intrusion violations. The NVR is also capable of recording business analysis data – Facial Detection, People Counting, and Heat Map – from IP cameras with built-in Intelligent Business Analytics.

Technical Specification

System

Main Processor	Quad-core embedded processor
Operating System	Embedded LINUX

Video

IP Video Input	32 Channel
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Audio

Input	N/A
Output	N/A
Two-way Talk	1 Channel Input, 1 Channel Output, RCA

Display

Interface	1 HDMI, 1 VGA
Resolution	HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720 VGA: 1920×1080, 1280×1024, 1280×720
Decoding Capacity	2ch@4K 30fps, 8ch@1080P 30fps
Display Split	1/4/8/9/16/25/36
OSD	Camera title, Time, Camera lock, Motion detection, Recording

Recording

Video/Audio Compression	Smart H.265+/H.265/Smart H.264+/H.264
Image Resolution	8Mp/ 6Mp/ 5MP/ 4MP/ 3MP/ 1080P/ 1.3MP/ 720P etc.
Record Rate	200Mbps
Bit Rate	16Kbps ~ 20Mbps Per Channel
Record Mode	Manual, Schedule (Regular, Continuous), MD (Video detection: Motion Detection, Tampering, Video Loss), Stop
Record Interval	1 ~ 120 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec

Video Detection & Alarm

Trigger Events	Recording, PTZ, Tour, Video Push, Email, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss and Tampering
Alarm Input	16 Channel
Relay Output	3 Channel + 1 12V Channel

Playback & Backup

Sync Playback	128 Mbps in Raid 5 Mode; 64 Mbps in single HDD Mode
Search Mode	Time /Date, MD and Exact Search (accurate to second), Smart search
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

Network

Ethernet	2 RJ-45 Ports
Network Functions	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DNS, IP Filter, PPPoE, DDNS, FTP, SNMP, IP Search
Max. User Access	128 users
Smart Phone	Android, iOS, iPhone
Interoperability	ONVIF 2.4, SDK, CGI

Storage

Internal HDD	8 SATA III Ports, Up to 6 TB capacity for each HDD
HDD Mode	Single
External HDD	N/A

Auxiliary Interface

USB	3 ports(2 USB2.0, 1 USB3.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control

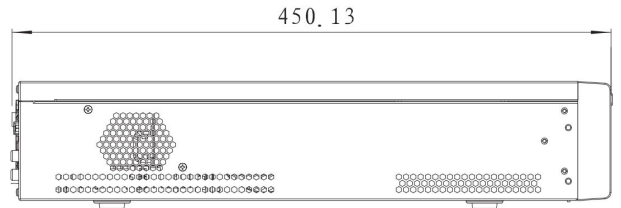
General

Power Supply	AC100V ~ 240V, 50 ~ 60 Hz
Power Consumption	< 12W(without HDD)
Working Environment	-10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa
Dimensions (W×D×H)	2U, 440mm×450.1mm×95mm (17.3" x 17.7" x3.7")
Weight	9.5kg(20.9 lb)(without HDD)

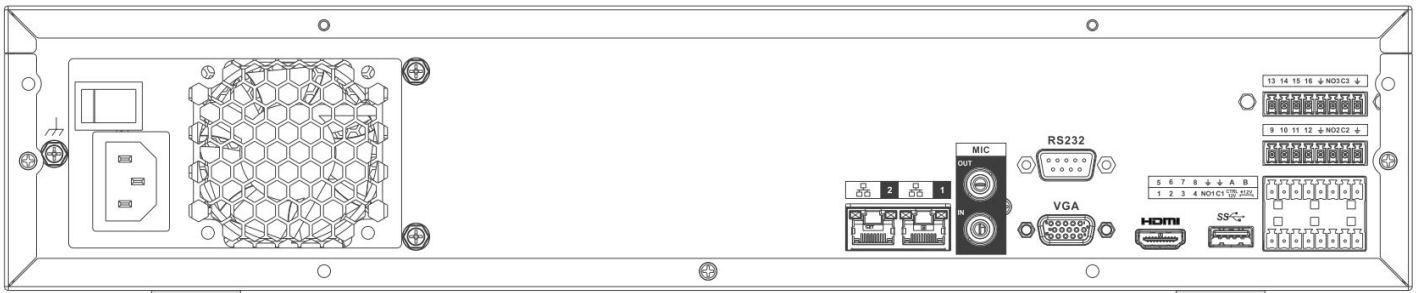
Certifications

Certifications	CE: EN55032, EN55024, EN50130-4, EN60950-1 FCC: Part 15 Subpart B, ANSI C63.4-2014 UL: UL60950-1
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Dimensions (mm/in)



Panels





Critical Integrated Systems, LLC
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 Tel: 407-834-0051 • Toll Free: 888-350-5965 • EC13003162

PROPOSAL SUBMITTED TO:			
DATE: 07-02-19	ATTN: Amir Dhanji	JOB NAME: Best Western	
NAME: Days Inn and Suites OIA		STREET:	
STREET: 1853 McCoy Road		CITY:	STATE:
CITY: Orlando	STATE: Fl. 32809	PHONE: (561) 846-9200	EMAIL: Ardhanji@gmail.com

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Company Representative **Manuel Perez** Date: 7/3/2019
 Authorized Officer Signature Manuel Perez
Ken Sample Date: _____

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4. Client acknowledges that this Agreement, and particularly those paragraphs relating to disclaimer of warranties, liquidated damages and third party indemnification, more to be the benefit of and are applicable to any subcontractors employed by Company to provide monitoring, maintenance, installation or service of the alarm system(s) provided herein, and that they bind Client to said subcontractors with the same force and effect as they bind Client to Company.
5. Company shall have the right to assign this Agreement to any other person, firm, or corporation without notice to Subscriber and shall have the further right to subcontract any services which it may perform.
6. Client and/or its agents represents and covenants that he has full authority to enter into this Agreement and the undersigned personally guarantees all payments covered by this Agreement.
7. In the event any of the terms or provisions of this Agreement shall be invalid or inoperative, all of the remaining terms and provisions shall remain in full force and effect.
8. This writing is intended by the parties as a final expression of their agreements and as a complete and exclusive statement of the terms thereof. This agreement supersedes all prior representations, understanding or agreements of the parties, and the parties rely only upon the contents of this Agreement in executing it. This agreement can only be modified in writing signed by the parties or their duly authorized agent. No waiver of a breach of any term or condition of this Agreement shall be construed to be a waiver of any succeeding breach.
9. All notices to be given hereunder shall be in writing and may be served either personally or by mail, postage prepaid to the addresses set forth in the agreement or to any other from time to time.
10. COMPANY'S LIABILITY, DISCLAIMER OF WARRANTIES COMPANY DOES NOT REPRESENT OR WARRANT THAT THE ALARM SYSTEM MAY NOT BE COMPROMISED OR CIRCUMVENTED: OR THAT THE SYSTEM WILL PREVENT ANY LOSS BY BURGLARY, HOLDUP, FIRE OR OTHERWISE: OR THAT THE SYSTEM WILL IN ALL CASES PROVIDE THE PROTECTION FOR WHICH IT IS INSTALLED OR INTENDED, CLIENT ACKNOWLEDGES AND AGREES: THAT COMPANY HAS MADE NO REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED, AS TO ANY MATTER WHATSOEVER INCLUDING WITHOUT LIMITATION THE CONDITION OF THE EQUIPMENT, IT'S MERCHANTABILITY, OR ITS FITNESS FOR ANY PARTICULAR PURPOSE: NOR HAS CLIENT RELIED ON ANY REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED: THAT ANY AFFIRMATION OF FACT OR PROMISE SHALL NOT BE DEEMED TO CREATE AN EXPRESS WARRANTY AND THAT THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE OF THE AGREEMENT HEREOF; THAT COMPANY IS NOT AN INSURER; THAT CLIENT ASSUMES ALL RISK OF LOSS OF THIS AGREEMENT, PARTICULARLY PARAGRAPH 2 WHICH SETS FORTH COMPANY'S MAXIMUM LIABILITY IN THE EVENT OF LOSS OR DAMAGE TO CLIENT OR ANYONE ELSE.
11. RECEIPT OF COPY: CLIENT ACKNOWLEDGES RECEIPT OF A COPY OF THIS AGREEMENT. THIS AGREEMENT SHALL NOT BE BINDING UPON COMPANY UNLESS APPROVED IN WRITING BY AN OFFICER OF COMPANY, IN THE EVENT OF NON-APPROVAL. THE SOLE LIABILITY OF COMPANY SHALL BE TO REFUND TO CLIENT THE AMOUNT THAT HAS BEEN PAID TO COMPANY BY CLIENT UPON THE SIGNING OF THIS AGREEMENT.

ICIP-B4001IR-I

4MP WDR IR Mini Bullet Network Camera



- 1/3" 4 Megapixel progressive scan CMOS
- H.265&H.264 triple-stream encoding
- 25/30fps@4M(2688 x 1520)
- Smart Detection Supported
- WDR(120dB), Day/Night(ICR), 3DNR,AWB,AGC,BLC
- 2.8mm fixed lens
- Max. IR LEDs Length 30m
- IP67, PoE

System Overview

A little bullet camera, packing some big brain power – the ICIP-B4001-IR-I.

This small form factor bullet camera adopts a 4MP, 1/3" CMOS sensor enabling 4 Megapixel video at up to 30FPS. This sensor sits atop a 2.8mm fixed lens, and is paired with IR LEDs capable of supplying illumination up to 98'. The image sensor itself has a strong 120 dB dynamic range, making this bullet camera a 'True WDR' camera.

The real magic of this camera lies in it's AI (Advanced Intelligence) suite of features, which includes: Tripwire, Intrusion, Scene Change, and Face Detection.

With all of the above features packed into a small form factor, this bullet camera excels in a wide array of installation environments including: retail outlets, commercial business, public venues, and even municipalities can benefit from AI.

Functions

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, True WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a predetermined line has been crossed, ideal for business intelligence, and Facial Detection, for searching or identification of individuals.

Environmental

With a temperature range of -30 °C to +60 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

Protection

Supporting ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Smart H.265+

Deliver high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

HEVC (H.265)

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

Technical Specification

Camera

Image Sensor	1/3" 4 Megapixel progressive scan CMOS
Effective Pixels	2688(H)x1520(V)
RAM/ROM	512MB/32MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s
Minimum Illumination	0.08 Lux/F2.0(Color,1/3s,30IRE) 0.3 Lux/2.0(Color,1/30s,30IRE) 0 Lux/F2.0(IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 30m (98ft)
IR On/Off Control	Auto / Manual
IR LEDs	18

Lens

Lens Type	Fixed				
Mount Type	Board-in				
Focal Length	2.8mm				
Max. Aperture	F2.0				
Angle of View	H: 104°, V: 57°				
Optical Zoom	N/A				
Focus Control	Fixed				
Close Focus Distance	N/A				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	207ft	82ft	43ft	20ft

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°
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Intelligence

IVS	Tripwire, Intrusion, Object Abandoned/Missing
Advanced Intelligent Functions	Face Detection

Video

Compression	H.265+/H.265/H.264+/H.264
Streaming Capability	3 Streams
Resolution	4M(2688x1520)/3M(2304x1296)/ 1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/D1(704x576/704x480)/ VGA(640x480)/CIF(352x288/352x240)
Frame Rate	Main Stream: 4M(1~25/30fps) Sub Stream: D1(1~25/30fps) Third Stream: 720P(1~25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 24~10240Kbps H.265: 14~9984Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR(120dB)
White Balance	Auto / Natural / Street Lamp / Outdoor / Manual
Gain Control	Auto / Manual
Noise Reduction	3D DNR
Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)

Electronic Image Stabilization (EIS)	N/A
Smart IR	Support
Defog	N/A
Digital Zoom	16x
Flip	0° / 90° / 180° / 270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	N/A
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Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users /20 Users
Edge Storage	NAS Local PC for instant recording
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	SmartICRSS, DSS
Smart Phone	IOS, Android

Certifications

Certifications	CE (EN 60950:2000); UL:UL60950-1 FCC: FCC Part 15 Subpart B
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Interface

Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A

Electrical

Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	<6W

Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A

Construction

Casing	Metal
Dimensions	161.9mmx69.8mmx69.8mm (6.37"x2.75"x2.75")
Net Weight	0.38Kg (0.84lb)
Gross Weight	0.44Kg (0.97lb)

Accessories

Dimensions (mm/in)

