



Centreville Construction Ltd.
 Park Boulevard
 9887 Whalley Boulevard, Surrey, BC

TRANSMITTAL

To: DYS Architecture
 260-1770 Burrard Street
 Vancouver, BC
 604-669-7710

Date: Oct 16, 2019
Attention: Laurie Mackintosh
Re: Shop Drawings – 11020.001
 Security Equipment

We are sending you:			
<input checked="" type="checkbox"/> Attached	<input type="checkbox"/> Under Separate Cover via:		
<input checked="" type="checkbox"/> Shop Drawings	<input type="checkbox"/> Prints	<input type="checkbox"/> Plans	<input type="checkbox"/> Other
<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Change Orders	<input type="checkbox"/> Samples	
<input type="checkbox"/> Total Quantity	<input type="checkbox"/> Reproducible	<input type="checkbox"/> Specification	

These are transmitted as checked below:		
<input checked="" type="checkbox"/> For Review	<input type="checkbox"/> Reviewed	<input type="checkbox"/> Rejected
<input type="checkbox"/> For Your Use	<input type="checkbox"/> Reviewed as Noted	<input type="checkbox"/> Not Reviewed
<input type="checkbox"/> As Requested	<input type="checkbox"/> Revise and Resubmit	<input type="checkbox"/> Other

Comments
<p>Please find attached Security Equipment submittal for distribution and approval.</p> <p>Thank you, Teresa</p>
Copy to:
<p>Brian Gillett Centreville Construction Ltd. James Stewart Centreville Construction Ltd.</p>

CENTREVILLE CONSTRUCTION LTD.

PROJECT – PARK BOULEVARD

SHOP DRAWING SUBMISSION

SHOP DRAWING TRACKING NO.

11020.001

TITLE

Security Equipment

Routing		Copies In	Copies Out	Initials	Date	Comments/Result
	Centreville Construction Ltd. 9887 Whalley Blvd. Surrey, BC Attn: Teresa Priel	Email	Email	TP	Oct 11/19	
1	DYS Architecture 260-1770 Burrard Street Vancouver, BC Attn: Colin Shrubbs & Laurie Mackintosh					
	Read Jones Christoffersen Ltd. 300 – 1285 West Broadway Vancouver, BC Attn: James Munro					
	Yoneda & Associates 200 – 1190 Melville Street Vancouver, BC Attn: Alexis Lam					
	Nemetz (S/A) & Associates 2009 West 4 th Avenue Vancouver, BC Attn: Steve Nemetz					
	JRS Engineering 300 – 4595 Canada Way Burnaby, BC Attn: Joel Schwartz, Doug Eaton & Chris Lung					
	B.R Thorson 769 Roslyn Boulevard North Vancouver, BC Attn: Barry Thorson & Cory Thorson					
	LIV Interiors 1A-1601 Bayshore Drive Vancouver, BC Attn: Olivia Lam					

CHAMBERS ELECTRIC

101-204 CAYER ST. COQUITLAM, BC V3K 5B1

PH: 604-526-5688 FAX: 604-526-0657

TRANSMITTAL - SHOP DRAWINGS - SECURITY

DATE: October 11, 2019

PROJECT: Park Boulevard

ATTN: Teresa Priel
Brian Gillett
James Stewart

ADDRESS: 9887 Whalley Boulevard
Surrey, B.C.

COMPANY: Centreville Construction

RE: Security Shop Drawings

FROM: Michael Macgregor

VIA: EMAIL

teresa.priel@centrevl.com

brian.gillett@centrevl.com

james.stewart@centrevl.com

DESCRIPTION	SUPPLIER	SUBMISSION #	STATUS
<u>Security Equipment Package including:</u>	Smart Tek	#1	FOR APPROVAL
Access Entry System			
Avigilon Cameras & System			
Enterphone			
<u>Communication Components including:</u>	Smart Tek	#1	FOR APPROVAL
CAT5 connectors			
Voice connectors			
F-Type Adapters			
Multimedia Inserts			

Teresa,

Attached is the Security equipment package, and suite communication shop drawings for review and approval.

For inquiries or hard copy requests please email me at mmacgregor@chamberselectric.com

file: Haris Arslanovic, Jason Gilchrist -- Chambers Electric

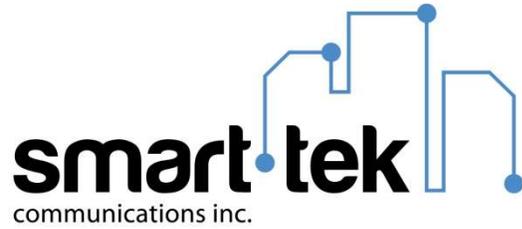
CHAMBERS ELECTRIC

101-204 CAYER ST. COQUITLAM, BC V3K 5B1

PH: 604-526-5688 FAX: 604-526-0657

EMAIL: info@chamberselectric.com

SECURITY



Project: Park Boulevard-- Shop Drawings

	Access Control and CCTV
	<ol style="list-style-type: none">1. HID Reader2. HID Key Tag3. ICT Wireless 4 Button Transmitter4. GE Magnetic Door Contacts5. Kantech TREX6. Avigilon NVR7. Avigilon Indoor Dome Camera8. Avigilon Outdoor Dome Camera9. Condoplex Visitor Entry Phone System



MULLION MOUNT

WALL MOUNT

READER WITH KP

SPECIFICATIONS

Model Name		R10	RP10	R15	RP15	R40	RP40	RK40	RPK40
Typical Read Range*		Both "Twist & Go" and "Tap" ranges are likely maximum distances based on recommended settings in a typical lab environment. Read ranges and behavior will vary by installation, due to a variety of factors. Reader-specific read range and power settings will contribute to adjusting behavior.							
Mobile IDs using Bluetooth & Seos*	Twist and Go	6.6 ft (2 m)		6.6 ft (2 m)		6.6 ft (2 m)		6.6 ft (2 m)	
	Tap	5.9" (15 cm)		5.9" (15 cm)		5.9" (15 cm)		5.9" (15 cm)	
Mounting		Mini-Mullion Size; mount on door mullion or any flat surface		Mullion Size; mount on door mullion or any flat surface		Wall Switch Size; designed to mount to and cover single-gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing		Wall Switch Size; designed to mount to and cover single-gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing	
Color		Black or Gray							
Keypad		No		No		No		Yes (4x3)	
Dimensions		1.9" x 4.1" x 0.9" 4.8 cm x 10.3 cm x 2.3 cm		1.9" x 6.0" x 0.9" 4.8 cm x 15.3 cm x 2.3 cm		3.3" x 4.8" x 1.0" 8.4 cm x 12.2 cm x 2.4 cm		3.3" x 4.8" x 1.1" 8.5 cm x 12.2 cm x 2.8 cm	
Operating Voltage Range		5-16 VDC; Linear supply recommended							
Standby AVG Current		82 mA	97 mA	82 mA	97 mA	87 mA	107 mA	107 mA	117 mA
PEAK Current		240 mA	240 mA	240 mA	240 mA	240 mA	240 mA	260 mA	260 mA
Operating Temperature		-13° to 150° F (-25° to 65° C)							
Storage Temperature		-67° to 185° F (-55° to 85° C)							
Operating Humidity		5% to 95% relative humidity non-condensing							
Transmit Frequency		2.4GHZ, 13.56 MHz							
2.4 GHz Credential Compatibility*		Secure Identity Object (SIO) on Mobile IDs (Bluetooth Smart)							
13.56 MHz Credential Compatibility		Secure Identity Object (SIO) on iCLASS Seos, iCLASS SE, SIO-enabled MIFARE DESFire EV1 and SIO-enabled MIFARE Classic/standard iCLASS Access Control Application (standard iCLASS cards) ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN Custom sectors on MIFARE, Custom app/file on DESFire EV1 (custom programming feature) Secure Identity Object (SIO) on NFC-enabled devices using Host-Based Card Emulation							
125 kHz Credential Compatibility (multiCLASS only)		HID Prox, AWID, EM4102							
Cable Distance		Optional OSDP with SCP over RS485 (4000 ft) Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) Use Shielded cable for best results							
Reader Personalization		Mobile-enabled readers come fully personalized to read customer/site-specific Mobile IDs. Mobile-ready readers come fully prepared to read Mobile IDs but to do not include customer/site-specific personalization. Install Mobile-ready readers to prepare for Mobile IDs in the future.							
Panel Connection		Pigtail or Terminal Strip							
Certifications		Bluetooth SIG certification, UL-294/cUL (US & Canada), FCC certification (US), IC (Industry Canada), CE now including RoHS II, REACH							
Crypto Processor Hardware Common Criteria Rating		EAL5+							
Patents		US7124943, US6058481, US6337619							
Housing Material		UL94 Polycarbonate							
Manufactured with % of recycled content (Pigtail)		10.5%		11.0%		10.5%		10.9%	
Manufactured with % of recycled content (Terminal Strip)		10.5%		11.0%		11.0%		12.3%	
UL Ref Number		R10E	RP10E	R15E	RP15E	R40E	RP40E	RK40E	RPK40E
Warranty		Limited Lifetime							



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2016-03-21-hid-mobile-access-readers-nfc-ds-en PLT-02094

An ASSA ABLOY Group brand

ASSA ABLOY



READ/WRITE FUNCTIONALITY FOR MULTI-FUNCTIONAL MEMORY APPLICATIONS

iCLASS® was specifically designed to make access control more powerful, more versatile, and more secure. All radio frequency data transmission between the card and reader is encrypted using a secure algorithm. By using industry standard encryption techniques, iCLASS reduces the risk of compromised data or duplicated cards. For even higher security, the card data may also be protected with DES or triple DES encryption. Multiple securely separated application areas are each protected by 64-bit diversified read/write keys which allow complex applications and provide for future expansion.

Security mechanisms such as mutual authentication and encryption are efficiently combined with fast processing and data communication,

resulting in transaction times of less than 100 milliseconds for a typical secure e-purse transaction.

PROVEN, RELIABLE TECHNOLOGY

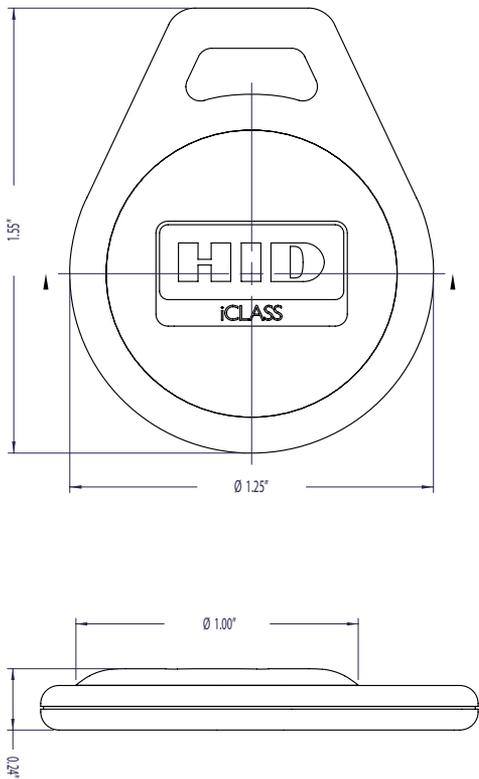
Offers extremely consistent read range. Unaffected by body shielding or variable environmental conditions.

LONG LIFE

Passive, no-battery design allows for an estimated minimum 100,000 reads.

SMALL AND CONVENIENT

Can be carried with keys in pocket, handbag, or clipped on a lanyard.



Learn about HID Global's green initiatives hidglobal.com/green



hidglobal.com

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Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

An ASSA ABLOY Group brand

SPECIFICATIONS

Base Part Numbers	2050, 2051, 2052, 2053, 2054
Description	RF-programmable, 13.56 kHz, black with grey insert, customer-specified ID Numbers.
Typical Maximum Read Range*	R10 2" (5.1 cm) RP15 1 3/4" (4.6 cm) R30/RW300 2 1/4" (5.9 cm) R40/RW400 2 3/4" (7.0 cm) RK40/RWK400 2" (5.1 cm) RP40 2 1/2" (6.6 cm)
Dimensions	1.55 x 1.25 x 0.235 inches max (3.95 x 3.18 x 0.60 cm)
Weight	0.14 oz (4.0g)
Keyfob Construction	Ultrasonically welded ABS Shell with TPE insert
Operating Temperature	-50° to 160° F (-45° to 70° C)
Memory Size/ Application Areas	2k bit (256 Byte) key - 2 application areas 16k bit (2k Byte) key - 2 or 16 application areas 32k bit (4k Byte) card - 16k bits in 2 or 16 application areas plus 16k bit user configurable.
HID Proximity 125 kHz	No
Contact Smart Chip Module Embeddable	No
Wiegand Stripe	No
Magnetic Stripe	No
Printable	No
Standard HID Artwork	Yes
Slot Punch	Key Ring Hole
Visual Security Options	N/A
Additional Security Options	Corporate 1000
Options	Lifetime
Warranty	Key Ring sold separately (Part Number: 57-0001-02) External card numbering (inkjet or laser engraving)

*Dependent upon installation conditions. Tested using Rev "C" readers.

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2018-03-20-hid-iclass-key-ii-en

PLT-00167

Wireless 433MHz 4 Button Transmitter

RF Transmitters - 100
included in proposal



The Wireless 433MHz 4 Button Transmitter is designed for long range wireless access control of garage doors or sliding gates. Each transmitter is encoded with a 'Wiegand' compatible ID number so that usage can be controlled and recorded by most electronic access control systems on the market.

The Wireless 433MHz 4 Button Transmitter is designed for long range wireless access control of garage doors or sliding gates. Each transmitter is encoded with a 'Wiegand' compatible ID number so that usage can be controlled and recorded by most electronic access control systems on the market.

This high quality transmitter is also hermetically sealed to protect against water or other foreign substances. Delivering an impressive read range from 100 to 200m (328 to 656ft) in open environments, this transmitter offers both convenience and security with unmatched performance:

- Long range, up to 200m (656ft)
- 4 buttons, access control and personal alarm
- Conveniently attaches to key chain
- Standard Wiegand Output
- Rolling code prevents duplication
- Optional HID proximity device for short range use
- Hermetically sealed - waterproof!

Personal Alarm Device

With the installation of additional receivers in desired areas, the red button can be used as a personal alarm device. In the event of an emergency where someone presses the red button, a nearby receiver will detect the signal and activate an alarm relay. This alarm relay can be used for annunciation or to activate a third party alarm system.

Short Range Proximity Option

The Wireless 433MHz 4 Button Transmitter is also available with an HID compatible proximity device inside. This allows the transmitter to be used on short range proximity readers for standard door access. This option eliminates the need to carry a separate access card.

Convenience and Security

The convenience of RF transmitters blended with the security of a personal alarm system!



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E-mail: support@incontrol.co.nz
www.integratedcontroltechnology.com

Designers and manufacturers of integrated electronic access control, security and automation products.
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Technical Specifications	
Buttons	4
Supply	CR2032 3V
Battery Life	12 to 24 months
Current Consumption	15mA
Frequency	433.92MHz
Output Code Combinations	10
Modulation	AM/ASK
Rated E.R.P	58 to 100mW
Range in Free Space	100 to 200m (328 to 656ft)
Operating Temperature	-20° to 55°C (-4° to 131°F)
Dimensions (H x W x D)	60 x 40 x 16mm (2.36 x 1.57 x 0.62")
Weight	24g (0.84oz)
Specifications are subject to change without notice, please visit www.integratedcontroltechnology.com for updated information.	

Ordering Code	Description
RF-REM4-433	Wireless 433MHz 4 Button Transmitter

Disclaimer:

Whilst every effort has been made to ensure accuracy in the representation of this product, neither Integrated Control Technology Ltd or any employee of the company, shall be liable on any ground whatsoever to any party in respect of decision or actions they may make as a result of using this information. In accordance with the Integrated Control Technology policy of enhanced development, design and specifications are subject to change without notice.

International Compliance Standards:

The Wireless 433MHz 2 Button Transmitter complies with the following international standards. For an installation of the Wireless 433MHz 2 Button Transmitter to comply with any of the standards all installation procedures and programming configuration settings must be made in accordance with the required standard.



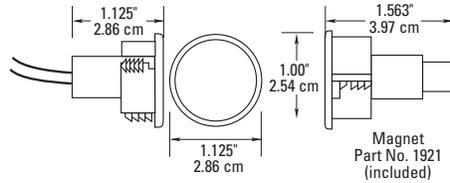
ICT CODE: 245-001 V: 90CA

Steel Door Contact

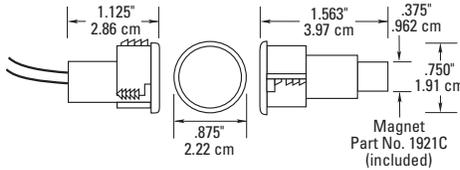
3/4" and 1" contacts
1078/1076 Series

Dimensions

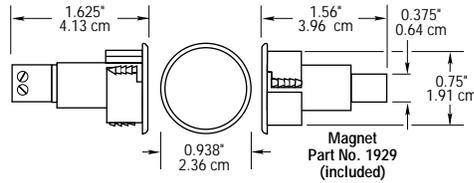
Models:
(R)1078, 1078W, 1076,
1076W, 1076D



Models:
1078C, 1076C,
1076CW, 1076CH



Models:
1078CT, 1076CTW,



(R) prefix indicates
Rare Earth Magnet

Specifications

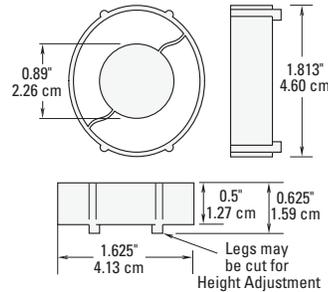
Form A: (R)1078, 1078W, 1078C, 1078CT, 1078CTW

Voltage 100V AC/DC max.
Current 0.5 A max.
Power 7.5 W max.

Form C: 1076, 1076W, 1076D, 1076C(D), 1076CW, 1076CH

Voltage 30V AC/DC max.
Current 0.25 A max.
Power 3.0 W max.

Rare Earth Magnet



Protected by
U.S. Patent 5,844,458.



Ordering Information

Model	Dia.	Loop Type	Electrical Config.	Hole Required		Gap Distance*			Color
				Contact	Magnet	Wood*	Steel*	Rare Earth	
1076	1"	Open or Closed	SPDT	1" x 1.125"	1" x 1.563"	1"	Up to 1/2"	Up to 5/8"	M, N, G
1076W	1"	Open or Closed	SPDT	1" x 1.125"	1" x 1.563"	2"	Up to 1"		M, N, G
1076D	1"	Open or Closed	DPDT	1" x 1.125"	1" x 1.563"	3/4"	Up to 3/8"	Up to 5/8"	M, N, G
1078	1"	Closed	N/O	1" x 1.125"	1" x 1.563"	1"	Up to 1/2"	Up to 5/8"	M, N, G
1078W	1"	Closed	N/O	1" x 1.125"	1" x 1.563"	2"	Up to 1"		M, N, G
1076C	3/4"	Open or Closed	SPDT	.75" x 1.125"	.75" x 1.563"	7/8"	Up to 3/8"	Up to 5/8"	M, N, G
1076CW	3/4"	Open or Closed	SPDT	.75" x 1.125"	.75" x 1.563"	2"	Up to 3/4"		M, N
1078C	3/4"	Closed	N/O	.75" x 1.125"	.75" x 1.563"	1/2"	N/A		M, N, G
(R)1078	1"	Closed	N/O	1" x 1.125"	1" x 1.563"	1"	Up to 1/2"	Up to 5/8"	M, N
1078CT	3/4"	Closed	N/O	.75" x 1.625"	.75" x 1.56"	7/8"	1/2"	5/8"	M, N
1078CTW	3/4"	Closed	N/O	.75" x 1.625"	.75" x 1.56"	5/8"	3/4"	N/A	N

* Gap distances are nominal make distance $\pm 20\%$. Gap specifications are for switch to make. Break distance is approximately 1.1 to 1.5 times make.



GE Interlogix

T.Rex Request to Exit Detector



Features That Make a Difference:

- Accurate and adjustable detection zone
- Horizontal and vertical adjustment
- Unlocks or shunts door automatically
- Hands-free, no buttons to push

The Smart Exit Detector

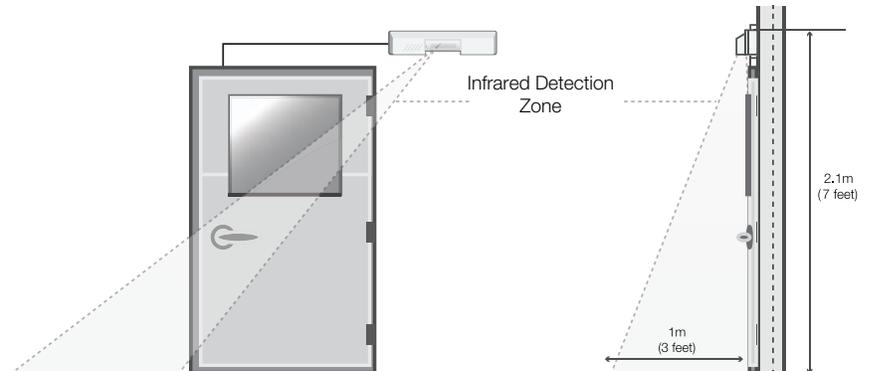
T.Rex provides a complete solution to exit detection and door surveillance for access control applications. Outstanding innovations such as horizontal and vertical Detection Zone Targeting and DSP (Digital Signal Processing) make T.Rex the fastest and most reliable exit detector on the market today.

Horizontal and vertical targeting adds an extra layer of security by adjusting the detection zone. The detection area of the

T.Rex can be adjusted so that it will not "hit" the floor along the doorjamb, defeating any attempt to circumvent door supervision by sliding objects under the door.

In addition, it uses infrared detection coupled with DSP sampling to allow the T.Rex to accurately detect exits and prevent false "Door Forced Open" alarms.

Installation and Detection Pattern



Simple Two-Step Installation:

1. Choose Location
 - Recommended locations include door header, wall or ceiling.
 - Ensure clear line of sight from detector to every part of detection area.
 - Detection zone pattern is down and away from door (to inhibit tampering).
 - Do not place detector directly across from a window
2. Adjust
 - Can be adjusted to detect an individual either in front of door or several steps away from door.
 - Detection zone span and target direction is set by turning louver direction screws.

General

Detector Type	Passive infrared
Filter Technology	Digital Signal Processing (DSP)
Detector Lens	Curtain-type Fresnel lens
Detection Range	
Narrow Targeting Area	3 m (10 ft)
Whole Body	6 m (20 ft)
Piezo Buzzer	90 dB at 28 VDC, 5-28 VDC, 20 mA (XL & XL2 only)
Main Relay Contacts	SPDT, 1A max @ 30 VDC max
Main Relay Timer	Adjustable, 0.5 to 60 seconds
Main Relay Recycle Timer	Fixed, 0.75 seconds off
Lock Control Relay	Available on LT2 and XL2 models only, solid-state relay, N.C., 2A max @ 30 VDC, timed at 2 seconds fixed
Tamper Switch	N.C., 100 mA max @ 30 VDC max
Indicator Light	Red/Green LED
Mounting	Optional backplate available for mounting the T.REX on a standard single-gang electrical box

Physical

Dimensions (H x W x D)	4.5 x 19 x 4.75 cm (1.75 x 7.125 x 1.875 in)
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Electrical

Power Consumption	12-28 VDC, 50 mA
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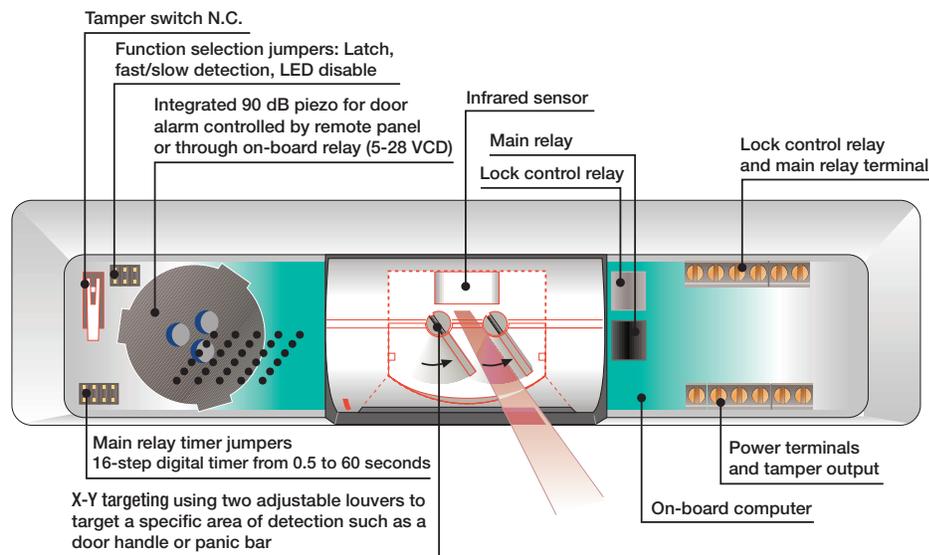
Regulatory

Certifications	UL294, CE, FCC, ULC
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Model Numbers

T.REX-LT	T.Rex request-to-exit detector with tamper and timer, white
T.REX-LT-NL	T.Rex request-to-exit detector with tamper and timer, white (unbranded)
TREX-LT2	T.Rex request-to-exit detector with tamper, timer and 2 relays, white
T.REX-LT2-NL	T.Rex request-to-exit detector with tamper, timer and 2 relays, white (unbranded)
T.REX-XL	T.Rex request-to-exit detector with tamper, piezoelectric buzzer and timer, white
T.REX-XL-NL	T.Rex request-to-exit detector with tamper, piezoelectric buzzer and timer, white (unbranded)
T.REX-XLBLK	T.Rex request-to-exit detector with tamper, piezoelectric buzzer and timer, black
TREX-XL2	T.Rex request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, white
T.REX-XL2-NL	T.Rex request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, white (unbranded)
T.REX-XL2BLK	T.Rex request-to-exit detector with tamper, piezoelectric buzzer, timer and 2 relays, black
T.REX-PLATE	Single-gang box mounting back plate, white

Product Diagram



T.REX-XL2 model shown

Related Products



EntraPass Security Software



ioProx Readers



DK-1 Door Hardware Kit



Kantech Door Controller Family

Approvals



www.kantech.com

HD NVR Value

Avigilon HD Network Video Recorders (NVRs) provide secure, reliable and scalable platforms for high performance end-to-end security solutions. Our network security recorders have Avigilon Control Center (ACC) software preloaded and configured for plug-and-play network video recording and management of multi-megapixel IP cameras, up to our industry-leading 7K (30 megapixel) HD Pro.



The Avigilon HD NVR Value is a 1U rack mountable recorder specifically manufactured for the Avigilon ecosystem. It leverages the full power of Avigilon Control Center (ACC) software to deliver high performance and retention at a lower cost of ownership. The NVR Value meets the requirements of IP video and video analytics metadata storage. It's backed by the Avigilon three-year warranty, which provides businesses with support and onsite parts delivery for continuous recording and retention of video while minimizing disruptions to security operations.

The HD NVR Value is an out-of-the-box, ready-to-deploy video recording platform designed for single site surveillance or to be distributed across multiple remote sites.

KEY FEATURES

- Preloaded and configured with ACC™ video management software
- High performance of up to 384 Mbps of total throughput – simultaneous recording, playback, and live streaming
- Highly scalable capacity options — up to 18TB of recording for long-term video retention
- Hot-swappable components maintain video recording and playback operations even in the event of multiple component failures
- An easy to access and maintain 1U rack mount chassis — includes a sliding rail kit and cable management system
- Avigilon Appearance Search™ Technology Support with an additional kit
- A three-year warranty with onsite parts delivery service

Specifications

SYSTEM		
Video Management Software		Avigilon Control Center™ – compatible with Enterprise, Standard and Core editions
Network Video Streaming Performance*	Network Connection	1 GbE - with multiple network connections
	Recording Data Rate	Up to 256 Mbps
	Playback and Live Streaming	Up to 128 Mbps (while simultaneously recording video)
	Number of Cameras	Up to 128
Recording Storage Capacity		Up to 24 TB raw, 18 TB effective (RAID 5)
Hard Disk Drive Configuration		Video data — up to 4 x large form factor near-line SAS hard disk drives, hot-swappable, RAID 5
Network Interface		2 x 1 GbE RJ-45 ports (1000Base-T)
Memory		8 GB DDR4
Operating System		Microsoft Windows 10 Enterprise
Processor		Intel® Xeon® E3-1220 V5 (8M cache, 3.00 GHz)
Video Outputs		2 x VGA
Local Viewing		No
Remote Access		iDRAC8 Express

* These performance figures are based on validation testing by Avigilon, using Avigilon Control Center software. For more information, contact Avigilon [Sales](#).

MECHANICAL		
Form Factor		1U rack mount chassis
Dimensions (LxWxH)	with bezel	674.7 mm x 482.4 mm x 42.95 mm; 26.56" x 18.99" x 1.69"
Weight		13.8 kg (30.42 lb)

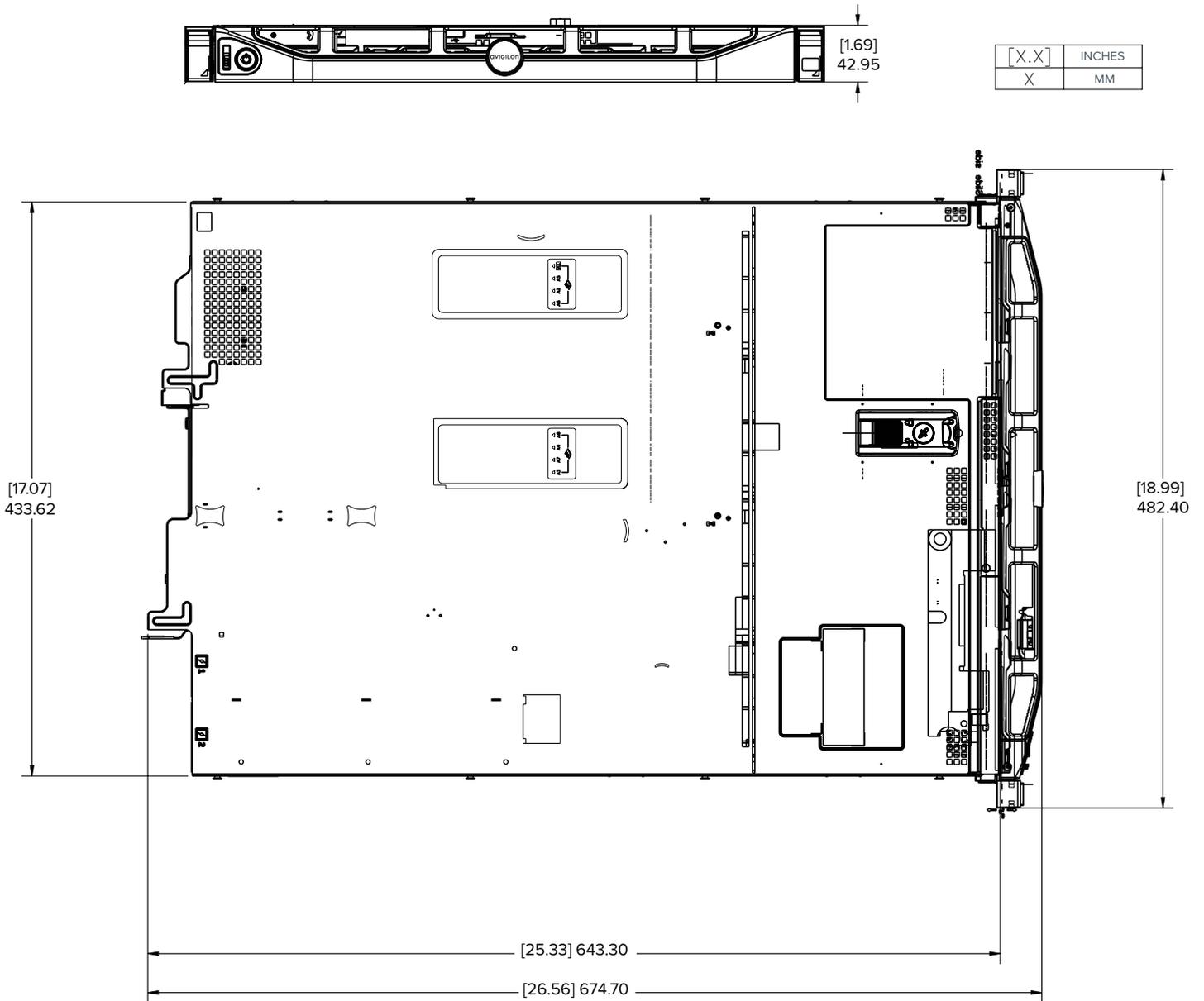
ELECTRICAL		
Power Input		100 to 240 V AC, 50/60 Hz, autoranging
Power Supply		Single — optional secondary power supply available
Power Consumption		350 W (1194.2 BTU/hr)

ENVIRONMENTAL		
Operating Temperature		10°C to 35°C (50°F to 95°F) with no direct sunlight on the equipment
Storage Temperature		-40° C to 65° C (-40° F to 149° F)
Operating Humidity		10% to 80% Relative Humidity with 29°C (84.2°F) maximum dew point
Storage Humidity		5% to 95% RH with 33°C (91°F) maximum dew point. Atmosphere must be non-condensing at all times
Operating Vibration		0.26 Grms at 5 Hz to 350 Hz
Storage Vibration		1.88 Grms at 10 Hz to 500 Hz for 15 min
Operating Shock		Six consecutively executed shock pulses in the positive and negative x, y, and z axes of 40 G for up to 2.3 ms
Storage Shock		Six consecutively executed shock pulses in the positive and negative x, y, and z axes (one pulse on each side of the system) of 71 G for up to 2 ms
Operating Altitude		3,048 m (10,000 ft)
Storage Altitude		12,000 m (39,370 ft)

SUPPLIED ACCESSORIES		
Rack Rail System		Sliding rail system with cable management arm. Supports: <ul style="list-style-type: none"> • Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks • Toolled mounting in threaded hole 4-post racks
Bezel		1, front
Power Cords		1

CERTIFICATIONS		
Safety	EN 60950-1:2006 / A1:2009 / A1:2010 / A12:2011 / A2:2013 EN 62311:2008	UL/CSA/IEC 60950-1, 2 Ed + Am 1: 2009 + Am 2: 2013
Power Efficiency	80 PLUS Platinum	ENERGY STAR 2.0
Electromagnetic Emissions	US CFR Title 47, FCC Part 2, 15 Canadian ICES-003(A) Issue 5 EN 55022:2010/CISPR 22:2010	EN 61000-3-2:2006 +A1:2009 +A2:2009/IEC 61000-3-2:2005 +A1:2008 +A2:2009 (Class D) EN 61000-3-3:2008/ IEC 61000-3-3:2008
Electromagnetic Immunity	EN 55024:2010/CISPR 24:2010	
Directives	RoHS, Reach (SVHC), WEEE	

Outline Dimensions



Ordering Information

HD-NVR3-VAL-6TB	6 TB HD NVR Value with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center
HD-NVR3-VAL-12TB	12 TB HD NVR Value with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center
HD-NVR3-VAL-18TB	18 TB HD NVR Value with Microsoft Windows 10 Enterprise Embedded and Avigilon Control Center
Avigilon Control Center licenses must be purchased separately	
HD-NVR-ANK2-1	Analytics Kit for Avigilon Appearance Search software
HD-NVR3-VAL-2NDPS-AU	Redundant, hot-swappable power supply, for AU
HD-NVR3-VAL-2NDPS-EU	Redundant, hot-swappable power supply, for EU
HD-NVR3-VAL-2NDPS-NA	Redundant, hot-swappable power supply, for NA
HD-NVR3-VAL-2NDPS-UK	Redundant, hot-swappable power supply, for UK



Day/Night H.264 HD Indoor Dome Cameras

AVIGILON

Avigilon offers a broad range of high definition cameras – from 1 – 5 MP and 4 – 7K (based on horizontal resolution) – and are available in a variety of formats, including dome, panoramic and fixed. Whether it's a small storefront that requires a few cameras or a large complex system requiring complete coverage of numerous areas, you can trust that you're getting an exceptional solution for your security needs.

The innovative H.264 HD indoor dome cameras are just one way Avigilon can help provide the very best monitoring and protection.



The H.264 HD indoor dome cameras are a great solution for monitoring both daytime and nighttime activities. They feature an integrated lens for remote focus and zoom control and are ONVIF compliant for no-hassle integration. The indoor dome cameras operate on Avigilon's H3 platform, providing these models with improved low light performance with wide dynamic range support and enhanced HDSM™ software features. P-Iris control also allows the cameras to automatically set their iris position to maximize image quality in all lighting conditions, while onboard storage capabilities let you manage storage directly on the cameras using a standard SD memory card. These cameras are extremely versatile and can work in almost any location, including banks, schools, retail outlets, municipal grounds and buildings, hotels, bars and restaurants.

KEY FEATURES

Progressive scan CMOS sensor

Unsurpassed image quality

Available with 3-9 mm F1.2 or 9-22 mm F1.6 P-Iris lens with remote focus and zoom

Up to 30 images per second

Wide Dynamic Range

SD card slot for onboard storage support

H.264 and Motion JPEG compression

ONVIF API compliance with version 1.02, 2.00 and Profile S

Integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to a maximum of 15 m (50 ft) away

Zoom and content adaptive IR provides the most effective illumination at all zoom positions while preventing image saturation

Power over Ethernet, 24 VAC or 12 VDC power input

Analog Video Output

Specifications

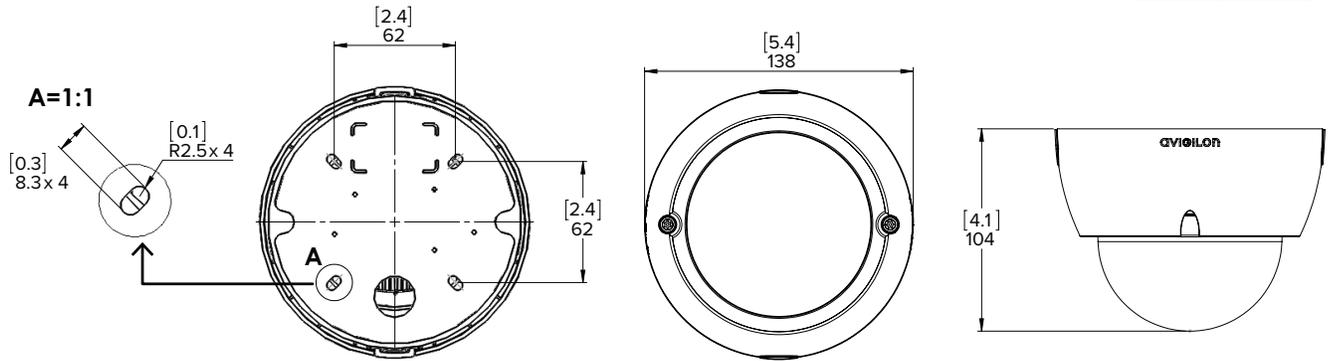
H.264 HD DOME CAMERAS

		1.3 MP (LIGHTCATCHER™)	1.0 MP	2.0 MP	3.0 MP	5.0 MP				
IMAGE PERFORMANCE	Image Sensor	1/3" progressive scan CMOS	1/2.7" progressive scan CMOS		WDR 1/3" progressive scan CMOS	1/3.2" progressive scan CMOS				
	Active Pixels	1280 (H) x 1024 (V)	1280 (H) x 720 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)				
	Imaging Area	4.8 mm (H) x 3.84 mm (V); 0.189" (H) x 0.151" (V)	5.9 mm (h) x 3.3 mm (V); 0.231" (H) x 0.129" (V)		4.5 mm (H) x 3.4 mm (V); 0.177" (H) x 0.133" (V)	4.6 mm (H) x 3.4 mm (V); 0.181" (H) x 0.133" (V)				
	Minimum Illumination	3-9 mm lens:	0.02 lux (F1.2) in color mode; 0.002 lux (F1.2) in monochrome mode			0.3 lux (F1.2) in color mode; 0.03 lux (F1.2) in monochrome mode				
		9-22 mm lens:	0.04 lux (F1.6) in color mode; 0.004 lux (F1.6) in monochrome mode			0.6 lux (F1.6) in color mode; 0.06 lux (F1.6) in monochrome mode				
	Dynamic Range		71 dB	69 dB		100 dB	69 dB			
Image Rate		30 (all resolutions)			20 (at full resolution)	13 (at 1920 x 1080 or smaller for 4:3 aspect ratios)				
					30 (at 1920 x 1080 or smaller) v		30 (at 1920 x 1080 or smaller for 16:9 aspect ratios)			
LENS	Lens	3-9 mm, F1.2, P-Iris, remote focus and zoom								
		9-22 mm, F1.6, P-Iris, remote focus and zoom								
	Angle of View	3-9 mm lens:	30° - 88°	35° - 98°		28° - 84°				
9-22 mm lens:		13° - 30°	15° - 35°		12° - 28°					
IMAGE CONTROL	Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG								
	Streaming	Multi-stream H.264 and Motion JPEG								
	Motion Detection	Selectable sensitivity and threshold								
	Electronic Shutter Control	Automatic, Manual (1/6 to 1/2000 sec)	Automatic, Manual (1/6 to 1/8000 sec)							
	Iris Control	Automatic, Manual								
	Day/Night Control	Automatic, Manual								
	Flicker Control	50 Hz, 60 Hz								
	White Balance	Automatic, Manual								
	Backlight Compensation	Adjustable								
	Privacy Zones	Up to 64 zones								
	Audio Compression Method	G.711 PCM 8 kHz								
	Audio Input/Output	Line level input/output, A/V mini-jack (3.5 mm)								
	Video Output	NTSC/PAL, A/V mini-jack (3.5 mm)								
	External I/O Terminals	Alarm In, Alarm Out								
NETWORK	IR Illumination (option)	3-9 mm lens: (Surface Mount Indoor Camera without LightCatcher Technology) 850 nm wavelength, 15 m (50 ft) max. distance of IR illumination at 0 lux								
	Network	100BASE-TX								
	Cabling Type	CAT5								
	Connector	RJ-45								
	API	ONVIF compliance version 1.02, 2.00, Profile S (www.onvif.org)								
	Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication								
	Protocol	IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP								
	Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP								
	MECHANICAL		SURFACE MOUNT INDOOR DOME CAMERA			IN-CEILING DOME CAMERA				
		Dimensions (ØxH)	138 mm x 104 mm; 5.4" x 4.1"			165 mm x 130 mm; 6.5" x 5.1"				
Weight		0.53 kg (1.17 lbs)			0.56 kg (1.2 lbs)					
Dome Bubble		Polycarbonate, clear								
Body		Plastic								
Housing		Surface mount, tamper resistant			Recessed mount, tamper resistant					
Finish		Plastic, RAL 9003;								
Adjustment Range		360° pan, 180° tilt (122° tilt with -IR option), 180° azimuth								
Onboard Storage		SD/SDHC/SDXC slot – minimum class 4; class 6 or better recommended								
ELECTRICAL	Power Consumption	5 W (10 W for -IR option)								
	Power Source	VDC: 12 V +/- 10%, 6 W min (10 W min with -IR option) VAC: 24 V +/- 10%, 8 VA min (12 VA min with -IR option)			PoE: IEEE802.3af Class 3 compliant					
	Power Connector	2-pin terminal block								
	RTC Backup Battery	3V Manganese Lithium								
ENVIRONMENTAL	Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)								
	Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)								
	Humidity	0 - 95% non-condensing								
CERTIFICATIONS	Certifications/Directives	UL	cUL	CE	ROHS	WEEE	RCM	EAC	KC	
	Safety	UL 60950-1		CSA 60950-1		IEC/EN 60950-1		IEC 62471 (only for models with IR-Illuminators)		
	Electromagnetic Emissions	FCC Part 15 Subpart B Class B		IC ICES-003 Class B		EN 55032 Class B		EN 61000-6-3	EN 61000-3-2	EN 61000-3-3
	Electromagnetic Immunity	EN 55024			EN 61000-6-1					

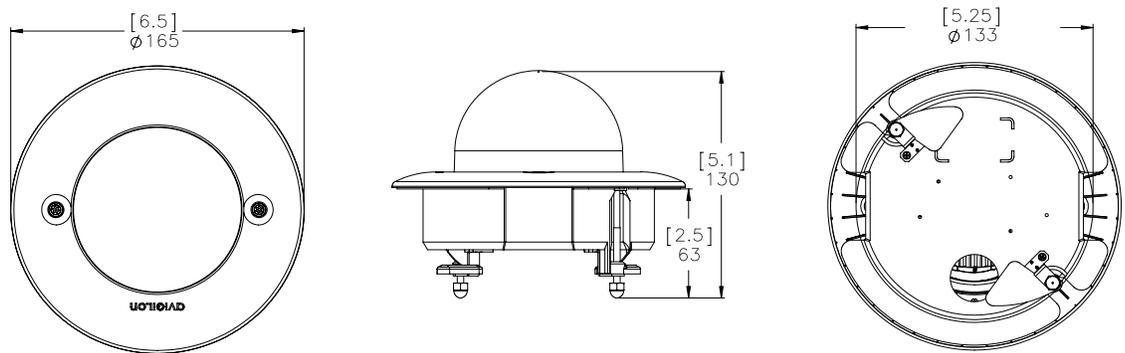
Outline Dimensions

Surface Mount Dome Camera (H3-D)

[X.X]	INCHES
X	MM



In-Ceiling Dome Camera (H3-DC)



Ordering Information

SURFACE MOUNT INDOOR DOME CAMERAS

1.0-H3-D1	1.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera
1.0-H3-D1-IR	1.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator
1.0-H3-D2	1.0 Megapixel Day/Night H.264 HD 9-22 mm Indoor Dome Camera
1.3L-H3-D1	1.3 Megapixel H.264 HD 3-9 mm Indoor Dome Camera with LightCatcher Technology
1.3L-H3-D2	1.3 Megapixel H.264 HD 9-22 mm Indoor Dome Camera with LightCatcher Technology
2.0-H3-D1	2.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera
2.0-H3-D1-IR	2.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator
2.0-H3-D2	2.0 Megapixel Day/Night H.264 HD 9-22 mm Indoor Dome Camera
3.0W-H3-D1	3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Indoor Dome Camera
3.0W-H3-D1-IR	3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator
3.0W-H3-D2	3.0 Megapixel WDR Day/Night H.264 HD 9-22 mm Indoor Dome Camera
5.0-H3-D1	5.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera
5.0-H3-D1-IR	5.0 Megapixel Day/Night H.264 HD 3-9 mm Indoor Dome Camera with IR Illuminator
5.0-H3-D2	5.0 Megapixel Day/Night H.264 HD 9-22 mm Indoor Dome Camera
H3-D-SMOKE	Dome Camera Cover with Smoked Bubble

IN-CEILING DOME CAMERAS

1.0-H3-DC1	1.0 Megapixel Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera
1.0-H3-DC2	1.0 Megapixel Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera
1.3L-H3-DC1	1.3 Megapixel H.264 HD 3-9 mm In-Ceiling Dome Camera with LightCatcher Technology
1.3L-H3-DC2	1.3 Megapixel H.264 HD 9-22 mm In-Ceiling Dome Camera with LightCatcher Technology
2.0-H3-DC1	2.0 Megapixel Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera
2.0-H3-DC2	2.0 Megapixel Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera
3.0W-H3-DC1	3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera
3.0W-H3-DC2	3.0 Megapixel WDR Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera
5.0-H3-DC1	5.0 Megapixel Day/Night H.264 HD 3-9 mm In-Ceiling Dome Camera
5.0-H3-DC2	5.0 Megapixel Day/Night H.264 HD 9-22 mm In-Ceiling Dome Camera
H3-DC-SMOKE	Dome Camera Cover with Smoked Bubble
H3-DC-PNL	Metal Ceiling Panel

Day/Night H.264 HD Outdoor Dome Cameras

AVIGILON

Avigilon offers a broad range of high definition cameras – from 1 – 5 MP and 4 – 7K (based on horizontal resolution) – and are available in a variety of formats, including dome, panoramic and fixed. Whether it's a small storefront that requires a few cameras or a large complex system requiring complete coverage of numerous areas, you can trust that you're getting an exceptional solution for your security needs.

The innovative H.264 HD outdoor dome cameras are just one way Avigilon can help provide the very best monitoring and protection.



The H.264 HD outdoor dome cameras are a great solution for monitoring both daytime and nighttime activities, with peace of mind due to their vandal resistant construction. They feature an integrated lens for remote focus and zoom control and are ONVIF compliant for no-hassle integration. The outdoor dome cameras operate on Avigilon's H3 platform, providing these models with improved low light performance with wide dynamic range support and enhanced HDSM™ software features. P-Iris control also allows the cameras to automatically set their iris position to maximize image quality in all lighting conditions, while onboard storage capabilities let you manage storage directly on the cameras using a standard SD memory card. These cameras are extremely versatile and can work in almost any location, including banks, schools, retail outlets, municipal grounds and buildings, hotels, bars and restaurants.

KEY FEATURES

Progressive scan CMOS sensor
Unsurpassed image quality
Available with 3-9 mm F1.2 or 9-22 mm F1.6 P-Iris lens with remote focus and zoom
Up to 30 images per second
Wide Dynamic Range
SD card slot for onboard storage support
H.264 and Motion JPEG compression
ONVIF API compliance with version 1.02, 2.00 and Profile S
Zoom and content adaptive integrated IR (Infrared) LEDs provide uniform illumination in the dark, even at 0 lux, up to a maximum of 15 m (50 ft) away
Power over Ethernet, 24 VAC or 12 VDC power input
Analog Video Output
Vandal resistant construction and IP66 compliant

Specifications

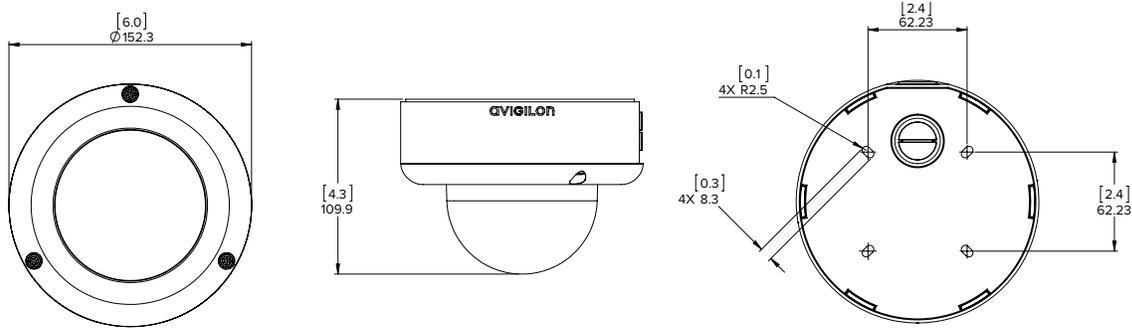
H.264 HD DOME CAMERAS

		1.3 MP (LIGHTCATCHER [®])	1.0 MP	2.0 MP	3.0 MP	5.0 MP				
IMAGE PERFORMANCE	Image Sensor	1/3" progressive scan CMOS	1/2.7" progressive scan CMOS		WDR 1/3" progressive scan CMOS	1/3.2" progressive scan CMOS				
	Active Pixels	1280 (H) x 1024 (V)	1280 (H) x 720 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2592 (H) x 1944 (V)				
	Imaging Area	4.8 mm (H) x 3.84 mm (V); 0.189" (H) x 0.151" (V)	5.9 mm (H) x 3.3 mm (V); 0.231" (H) x 0.129" (V)		4.5 mm (H) x 3.4 mm (V); 0.177" (H) x 0.133" (V)	4.6 mm (H) x 3.4 mm (V); 0.181" (H) x 0.133" (V)				
	Minimum Illumination	3-9 mm lens:	0.02 lux (F1.2) in color mode; 0.002 lux (F1.2) in monochrome mode	0.2 lux (F1.2) in color mode; 0.02 lux (F1.2) in monochrome mode			0.3 lux (F1.2) in color mode; 0.03 lux (F1.2) in monochrome mode			
		9-22 mm lens:	0.04 lux (F1.6) in color mode; 0.004 lux (F1.6) in monochrome mode	0.4 lux (F1.6) in color mode; 0.04 lux (F1.6) in monochrome mode			0.6 lux (F1.6) in color mode; 0.06 lux (F1.6) in monochrome mode			
	Dynamic Range	71 dB	69 dB		100 dB	69 dB				
	Image Rate	30 (all resolutions)				20 (at full resolution) 30 (at 1920 x 1080 or smaller)	13 (at 1920 x 1080 or smaller for 4:3 aspect ratios) 30 (at 1920 x 1080 or smaller for 16:9 aspect ratios)			
	Resolution Scaling	Down to 768 x 432				Down to 480 x 360				
LENS	Lens	3-9 mm, F1.2, P-Iris, remote focus and zoom								
		9-22 mm, F1.6, P-Iris, remote focus and zoom								
	Angle of View	3-9 mm lens: 30° - 88° 9-22 mm lens: 13° - 30°	35° - 98° 15° - 35°	28° - 84° 12° - 28°						
IMAGE CONTROL	Image Compression Method	H.264 (MPEG-4 Part 10/AVC), Motion JPEG								
	Streaming	Multi-stream H.264 and Motion JPEG								
	Motion Detection	Selectable sensitivity and threshold								
	Electronic Shutter Control	Automatic, Manual (1/6 to 1/2000 sec)	Automatic, Manual (1/6 to 1/8000 sec)							
	Iris Control	Automatic, Manual								
	Day/Night Control	Automatic, Manual								
	Flicker Control	50 Hz, 60 Hz								
	White Balance	Automatic, Manual								
	Backlight Compensation	Adjustable								
	Privacy Zones	Up to 64 zones								
	Audio Compression Method	G.711 PCM 8 kHz								
	Audio Input/Output	Line level input and output, A/V mini-jack (3.5 mm)								
	Video Output	NTSC/PAL, A/V mini-jack (3.5 mm)								
	External I/O Terminals	Alarm In, Alarm Out								
	IR Illumination (option)	3-9 mm lens: (Surface Mount Indoor Camera without LightCatcher Technology) 850 nm wavelength, 15 m (50 ft) max. distance of IR illumination at 0 lux								
NETWORK	Network	100BASE-TX								
	Cabling Type	CAT5								
	Connector	RJ-45								
	API	ONVIF compliance version 1.02, 2.00, Profile S (www.onvif.org)								
	Security	Password protection, HTTPS encryption, digest authentication, WS authentication, user access log, 802.1x port based authentication								
	Protocol	IPv4, HTTP, HTTPS, SOAP, DNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, Zeroconf, ARP								
	Streaming Protocols	RTP/UDP, RTP/UDP multicast, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/RTSP/HTTPS/TCP, HTTP								
MECHANICAL		SURFACE MOUNT OUTDOOR DOME CAMERA			PENDANT DOME CAMERA					
	Dimensions (ØxH)	152.3 mm x 109.9 mm; 6.0" x 4.3"			167 mm x 157 mm; 6.6" x 6.2"					
	Weight	1.28 kg (2.82 lbs)			2.1 kg (4.6 lbs)					
	Dome Bubble	Polycarbonate, clear								
	Body	Aluminum								
	Housing	Surface mount, vandal resistant			Pendant mount, vandal resistant					
	Finish	Powder coat, cool gray 2								
	Adjustment Range	360° pan, 180° tilt (122° tilt with -IR option), 180° azimuth								
Onboard Storage	SD/SDHC/SDXC slot – minimum class 4; class 6 or better recommended									
ELECTRICAL	Power Consumption	9 W (10 W for -IR option)								
	Power Source	VDC: 12 V +/- 10%, 10 W min (10 W min with -IR option) PoE: IEEE802.3af Class 3 compliant		VAC: 24 V +/- 10%, 12 VA min (12 VA min with -IR option)						
	Power Connector	2-pin terminal block								
	RTC Backup Battery	3V Manganese Lithium								
ENVIRONMENTAL	Operating Temperature	-30 °C to +50 °C (-22 °F to 122 °F)								
	Storage Temperature	-10 °C to +70 °C (14 °F to 158 °F)								
	Humidity	0-95% non-condensing								
CERTIFICATIONS	Certifications	UL	cUL	CE	ROHS	WEEE	RCM	EAC	KC	
	Safety	UL 60950-1		CSA 60950-1		IEC/EN 60950-1		IEC 62471 (only for models with IR-Illuminators)		
	Environmental	UL/CSA/IEC 60950-22		IEC 60529 IP66 Rating		IK10 Impact Rating				
	Electromagnetic Emissions	FCC Part 15 Subpart B Class B		IC ICES-003 Class B		EN 55032 Class B		EN 61000-6-3	EN 61000-3-2	EN 61000-3-3
	Electromagnetic Immunity	EN 55024				EN 61000-6-1				

Outline Dimensions

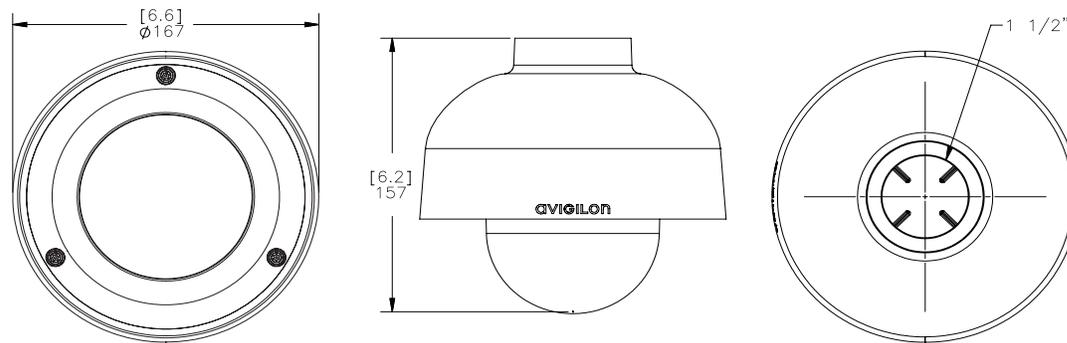
Surface Mount Outdoor Dome Camera

(H3-DO)



Pendant Dome Camera

(H3-DP)



[X.X]	INCHES
X	MM

Ordering Information

SURFACE MOUNT OUTDOOR DOME CAMERAS

1.0-H3-DO1	1.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera
1.0-H3-DO1-IR	1.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with IR Illuminator
1.0-H3-DO2	1.0 Megapixel Day/Night H.264 HD 9-22 mm Outdoor Dome Camera
1.3L-H3-DO1	1.3 Megapixel H.264 HD 3-9 mm Outdoor Dome Camera with LightCatcher Technology
1.3L-H3-DO2	1.3 Megapixel H.264 HD 9-22 mm Outdoor Dome Camera with LightCatcher Technology
2.0-H3-DO1	2.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera
2.0-H3-DO1-IR	2.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with IR Illuminator
2.0-H3-DO2	2.0 Megapixel Day/Night H.264 HD 9-22 mm Outdoor Dome Camera
3.0W-H3-DO1	3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Outdoor Dome Camera
3.0W-H3-DO1-IR	3.0 Megapixel WDR Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with IR Illuminator
3.0W-H3-DO2	3.0 Megapixel WDR Day/Night H.264 HD 9-22 mm Outdoor Dome Camera
5.0-H3-DO1	5.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera
5.0-H3-DO1-IR	5.0 Megapixel Day/Night H.264 HD 3-9 mm Outdoor Dome Camera with IR Illuminator
5.0-H3-DO2	5.0 Megapixel Day/Night H.264 HD 9-22 mm Outdoor Dome Camera
H3-DOP-SMOKE	Dome Camera Cover with Smoked Bubble

PENDANT DOME CAMERAS

1.0-H3-DP1	1.0 Megapixel Day/Night H.264 HD 3-9mm Pendant Dome Camera
1.0-H3-DP2	1.0 Megapixel Day/Night H.264 HD 9-22mm Pendant Dome Camera
1.3L-H3-DP1	1.3 Megapixel H.264 HD 3-9 mm Pendant Dome Camera with LightCatcher Technology
1.3L-H3-DP2	1.3 Megapixel H.264 HD 9-22 mm Pendant Dome Camera with LightCatcher Technology
2.0-H3-DP1	2.0 Megapixel Day/Night H.264 HD 3-9mm Pendant Dome Camera
2.0-H3-DP2	2.0 Megapixel Day/Night H.264 HD 9-22mm Pendant Dome Camera
3.0W-H3-DP1	3.0 Megapixel WDR Day/Night H.264 HD 3-9mm Pendant Dome Camera
3.0W-H3-DP2	3.0 Megapixel WDR Day/Night H.264 HD 9-22mm Pendant Dome Camera
5.0-H3-DP1	5.0 Megapixel Day/Night H.264 HD 3-9mm Pendant Dome Camera
5.0-H3-DP2	5.0 Megapixel Day/Night H.264 HD 9-22mm Pendant Dome Camera
H3-DOP-SMOKE	Dome Camera Cover with Smoked Bubble
MNT-PEND-WALL	Indoor/Outdoor Pendant Mount Bracket

ELP 1040VTS

Visitor Entry Phone System



The Condoplex ELP 1040 is the world's first Web-Enabled VOIP Entry Phone for multi residential and office towers. A Stylish 19" Portrait sized Gesture Controlled Touch Screen provides a modern look and feel to buildings. Multi-lingual Voice Prompts further enhance the user experience.

The ELP1040VTS provides Lobby Door and/or Elevator Floor restriction. A Stylish window below the main screen allows for the placement of multiple future reader technologies. A built-in Camera can read a temporary 2D Bar Code Pass displayed from a printout or Smartphone to grant access or call a resident or property manager immediately. The Camera will also detect the proximity of a caller and activate the screen, thus extending the life of the LCD.

Advanced calling features such as Dialcast (Calling several phones at one time and Call Scheduling permit this Entry Phone to accommodate today's connected lifestyle, where every family member carries a cellular phone.

- Linux O/S Web based Architecture
- Standalone or Networked
- Web Screen Interface
- External Low Voltage Supply for Retrofits
- VOIP / Digital Dialing Messaging Services
- Site Specific Web Services and Hot Buttons
- Remote Security and Advanced A/V Features
- Multi-Lingual Voice Prompts
- Background Music
- Internet/Intranet/PSTN Accessible
- Access/Elevator Control
- Automated Updates
- Future-proofed via Multi-reader bay
- Connects to CONDOPLEX Resident Portal
- Dedicate Emergency (EMS) Hot button

ELP 1040VTS

Visitor Entry Phone System

All events are logged with still or motion video capture for every visitor Accessing the Entry Phone. The Resident may: Allow Lobby and/or Elevator Access, Reject the Caller, or Conference a Concierge. Fully customizable Web Cloud Services are available, examples include: Location,Taxi Service, Transit Schedule, Weather and Customer Care.

Communications

The Entry Phone provides three modes of communication, PSTN Dial-up, VOIP and Non-Sub-Subscriber Services, thus permitting the lowest cost installation and highest possible features for any client. VOIP and Digital Dialer Services Permit 8 to 20 simultaneous Voice channels, thus eliminating BUSY signals and dramatically reducing phone line charges. A notification feature will dispatch an email with an image capture and voice message to the resident, whenever a visitor places a call. Two-way Audio/Video is available for off-site concierge.

Software

Web based, this product does not require any client software to be Installed on a PC. Changes to the directory may be made on-site over a LAN or remote from the Internet. Cloud services are available to provide automated back-up and monitor the health of your 1040. A concierge software is included to permit other services, such as speed dial for the guard, video monitoring and the issuing of 2D barcodes for visitors and contractors.

The 1040's Interface is so advanced that we believe it has created another Product category, the Tele-Kiosk.

Features

Vandal Proof Housing (ALL Stainless Steel Construction)

Surface or Recessed Mount

Indoor Or Outdoor Weatherproof Housing

Built-in UPS

Environmental Control

Netmonitor for Remote Health Monitoring

19" Touchscreen Display For Superior Graphics

Auto Visitor Detect/ LCD Screen Saver

Audio and Video Capable

Send/Receive Calls From Guard's Station

Remote Software Upgrades via Internet

On-site Concierge Software

Interfaces with CONDOPLEX Servers or

ELP780's or Low-Cost ELP520 Entry Phones

Optional

Internal Card Reader(s) For Resident Access

Internal Camera for Video Capture and Access

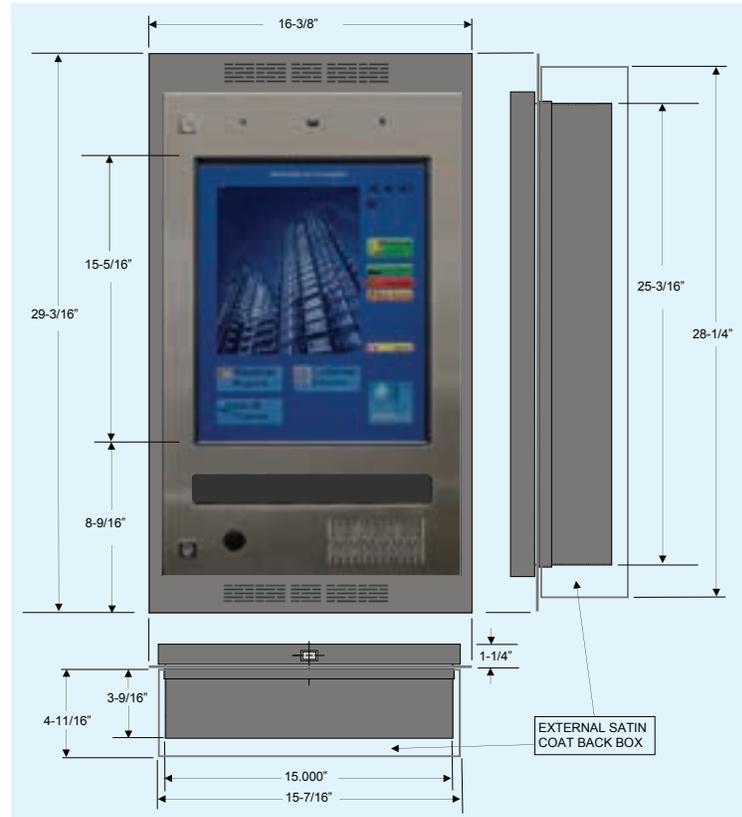
Postal Keylock for Mail Delivery

Indoor/Outdoor Wheel Chair Paddle

¹ Requires CONDOPLEX Phone Service

Specifications

Fascia Dimensions	16 3/8" (W) x 29 3/16" (H) x 5" (D) 41.59 cm (W) x 74.13 cm (H) x 12.7 (D) cm
Recessed Mount Back Box Dimensions	15 7/16" (W) x 28 1/4" (H) x 4 11/16" (D) 39.21 cm (W) x 63.97 (H) x 11.90 (D)
Surface Mount Back Box Dimensions	16 1/2" (W) x 29 3/8" (H) x 4 29/32" (D) 39.21 cm (W) x 63.97 (H) x 11.90 (D)



Shipping Weight	35 lbs (14kg)
Input Voltage	120VAC @ 3A UPS
Mounting Requirement	1040 Trim Ring (Painted or Stainless) for recess mount
Material Finish	High Grade 316 Stainless Steel // Vandal Proof Housing
Protocol	100mb Ethernet (Linux); VOIP; RS485 to Slave Devices
Relay Output	2 x 3A for MagLocks, Door Strikes or External Camera Lock
Display	19" TFT Color Touch Screen
User Calling Operation	Gesture Based Touch Screen
Audio Output	Adjustable – 2.0 watts
Voice Communication	HandsFree Mode to Suite Panel ; Telephone System; Guard Station and Guard Phone
Directory Listings	Unlimited
Ordering Information	ELP1040VTS Indoor Recessed ELP1040VTO Outdoor Recessed ELP1040IPA, ELP1040IPS Indoor Pedestal ELP1040OPA, ELP1040OPS Outdoor Pedestal
Options	Internal Card Reader; Wheel Chair Paddle

Features and Specifications subject to change without notice • Contact your Condoplex dealer to select features best suited for your facility and budgetary needs.

Wall Mount



Part # (Indoor): ELP1040VTS
Part # (Outdoor): ELP1040VTO
Operating System: Linux
LCD Size: 19"
Colour: Yes
Touch: Yes
Number of Users: 25,000
Data Output: RS232
Panel to Panel Data: RS485
26 Bit Wiegand Output: Yes
Network Connectivity: TCP/IP

Card Reader Mount: Yes
Postal Lock Mount: Yes
Power Required 120VAC
Built In UPS: Yes
Warranty: 2 Years
Dimensions:
Unit: 30" x 17" (H x W)
Mounting Hole: 28 3/4" x 15 3/4" (H x W)
Temperature:
0°C - 35°C (Indoor)
-25°C - 50°C (Outdoor)

Straight Pedestal



Part # (Indoor): ELP1040IPA
Part # (Outdoor): ELP1040OPA
Operating System: Linux
LCD Size: 19"
Colour: Yes
Touch: Yes
Number of Users: 25,000
Data Output: RS232
Panel to Panel Data: RS485
26 Bit Wiegand Output: Yes
Network Connectivity: TCP/IP
Card Reader Mount: Yes

Optional Door Push Button: Yes
Postal Lock Mount: Yes
Power Required 120VAC
Built In UPS: Yes
Warranty: 2 Years
Dimensions:
Unit: 51" x 17" (H x W)
Unit w/Weatherhood: 54" x 21" (H x W)
Base: 23" x 9" X .5" (W x D x H)
Temperature:
0°C - 35°C (Indoor)
-25°C - 50°C (Outdoor)

Angled Pedestal



Part # (Indoor): ELP1040IPA
Part # (Outdoor): ELP1040OPA
Operating System: Linux
LCD Size: 19"
Colour: Yes
Touch: Yes
Number of Users: 25,000
Data Output: RS232
Panel to Panel Data: RS485
26 Bit Wiegand Output: Yes
Network Connectivity: TCP/IP
Card Reader Mount: Yes

Optional Door Push Button: Yes
Postal Lock Mount: Yes
Power Required 120VAC
Built In UPS: Yes
Warranty: 2 Years
Dimensions:
Unit: 50" x 17" (H x W)
Base: 23" x 9" X .5" (W x D x H)
Temperature:
0°C - 35°C (Indoor)
-25°C - 50°C (Outdoor)

Accessory Part Numbers

VoIP Phone (Concierge Phone): VOIPHON

Rs485/USB Converter: RS4852USB

Intercom Voice Card: VOXC

Smaller Entry Phones: ELP780

Intercoms: RPI-C Slim Line 1 1/2 Gang / RPI-C Square 2-Gang / Large RPS-1 NANE Panic Station

Remote Services

Condoplex offers a variety of value added remote services for the ELP 1040

VoIP Dial Plan: The ELP 1040 is preconfigured to work with Condoplex's VoIP Dial Plan.

Part #: SAAS100

Cloud Service & Backup: Automatically backup your ELP 1040 system configuration and resident data to Condoplex cloud service, health monitoring, remote management, and system statistics. Part #: SAAS200

Public Cloud Services: provides you with the ability to add local maps and point of interests, local weather conditions, local transit schedules, services for the deaf, and property management info page for unit sales and rentals. Part #: SAAS220



CHAMBERS ELECTRIC

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PH: 604-526-5688 FAX: 604-526-0657

EMAIL: info@chamberselectric.com

COMMUNICATION

GigaMax™ 5e+ Connector

APPLICATION

Leviton's GigaMax™ 5e+ Connector is designed to be used with all Leviton QuickPort® compatible products. The connectors include Leviton's patented "Retention Force Technology" (RFT) which promotes consistent performance over the life of the system. Includes unique pair separation towers allowing for quicker and easier terminations. The connector is configured in a 180° configuration such that the punch field is in the back, allowing for rear termination.

FEATURES

- Includes "Retention Force Technology."
- Universal T568A and T568B wiring labels for 110-style IDC terminations.
- Available in 13 different TIA/EIA 606-A compatible colors.
- 180° configuration allowing for rear termination.
- Unique pair separation towers designed to minimize untwisting and to speed installation.

STANDARDS COMPLIANCE

GigaMax 5e+ System components meet or exceed the Category 5e requirements for channel/component level performance per TIA/EIA-568-B and ISO/IEC 11801. Components certified per cULus and ACA requirements.

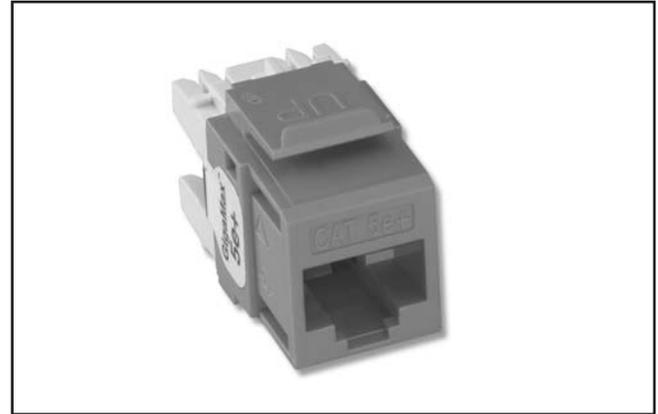
PHYSICAL SPECIFICATIONS

Dimensions: .885"H x .635"W x 1.211"D
Materials: Connector body is high-impact, fire-retardant plastic rated UL 94V-0. Spring wire contacts are high quality copper-based alloy, plated with 50 micro-inches of gold over 100 micro-inches of nickel for lowest electrical contact resistance and maximum life.

DESIGN CONSIDERATIONS

- Use in any QuickPort housing to support GigaMax 5e+ UTP connectivity in surface mount, flush mount, or modular furniture outlets and field configurable panels.
- Can be used in conjunction with other QuickPort snap-in modules for voice/data and video applications over UTP, coax and fiber.
- To identify ports: use different colored modules for each application (13 colors available).

See ELECTRONIC FILES for CAD files (.DXF, .DWG, MS-DOS.EPS) on disk



WARRANTY INFORMATION

For a copy of Leviton product warranties, log on to www.levitonvoicedata.com/warranty.

For ELECTRONIC Typical Specs see (.TXT) file on disk.

TYPICAL SPECIFICATION

The connector shall meet or exceed the requirements for Category 5e described in TIA/EIA-568-B as well as the Class E requirements described in ISO/IEC 11801. The connector shall be 180° configuration such that the punch field is in the back, allowing for rear termination. Rear termination field shall include pointed pair separation towers to promote easier installation. All plastics used in construction of the connector bodies shall be fire-retardant with a UL flammability rating of 94V-0. Termination of all connectors shall be 110-type insulation displacement connectors (IDC). The connector shall provide a cutting ledge directly adjacent to the 110-style IDCs against which the wires can be directly terminated and cut in one action. Connector wiring shall be universal and accommodate both T568A and T58B wiring schemes.



For Technical Support Call 1-425-485-4288; in USA call 1-800-824-3005.
Spec sheets and updates are also available at www.levitonvoicedata.com.

2222 - 222nd St. SE • Bothell, WA 98021 USA
Tel: 1-800-722-2082 / 1-425-485-4288 • Fax: 1-425-483-5270 • Int'l Fax: 1-425-485-9170 • GSA Schedule Available



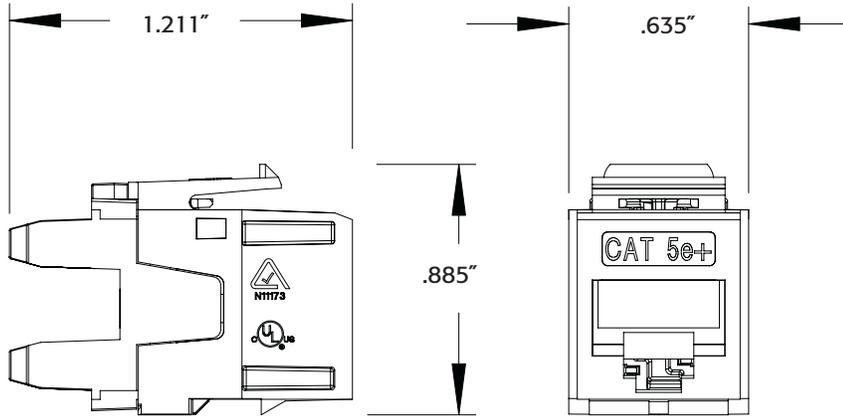
GigaMax™ 5e+ Connector

Part Number
5G110-Rx5

.....

DIMENSIONAL LINE ART

See ELECTRONIC FILES for CAD images
(.DXF, .DWG, MS-DOS.EPS)



Side View

Front View

Part Number

Description	Part No.
GigaMax 5e+ Connector	5G110-R*5

*= Color choices for connectors: (I) Ivory, (W) White, (G) Grey, (E) Black, (O) Orange, (L) Blue, (C) Crimson Red, (Y) Yellow, (V) Green, (P) Purple, (A) Almond, (B) Brown, (R) Dark Red.

We shall use
white for tel and
blue for data



For Technical Support Call 1-425-485-4288; in USA call 1-800-824-3005.
Spec sheets and updates are also available at www.levitonvoicedata.com.

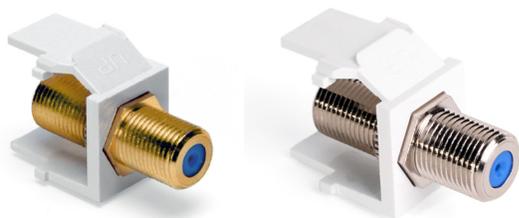


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QuickPort® F-Type Adapters

APPLICATION

Nickel or gold-plated female-to-female 75 Ω connector features screw-on front and rear connections. Pass through design applications: TV, VCR, DVD, satellite, and home theater. Cable: coaxial cable terminated with “F” plugs. QuickPort F-Type Adapters snap into any QuickPort housing, including flush and surface mount outlets, Multimedia Outlet System (with adapter), Decora® Inserts, patch panels, and patch blocks.



SPECIFICATION

The modules for coaxial cable shall be individual QuickPort snap-in style female-to-female bulkhead adapters, and shall fit all other installed telecommunications wallplates, outlets and field-configurable patch panels and patch blocks. Bulkhead modules shall be available in multiple colors to match the housings or provide unique color-coding for port I.D. Modules shall be UL listed. All plastics used in construction of the module bodies shall be fire-retardant with a UL flammability rating of 94V-0.

FEATURES

- Female-female adapter for quick screw-on connections
- 360° gold plated seizing pin provides clearest signal transmission
- Works with all F-connectors and coax varieties

DESIGN CONSIDERATIONS

- F-type connector works for all coax applications
- QuickPort bulkhead modules snap into any QuickPort housing, including flush and surface mount outlets, Multimedia Outlet System (with adapter), patch panel, and patch blocks
- Check clearance behind proposed location of bulkhead module, to ensure space for proper bend-radius

STANDARDS COMPLIANCE

Meets or exceeds all applicable standards
Bulkhead Modules are cULus Listed
Society of Cable Telecommunications Engineers (SCTE) Compliant

PHYSICAL SPECIFICATIONS

Dimensions: .64" h x .58" w x 1.24" d
Materials: Zinc die-cast body with machined threads
Insulation: Polypropylene

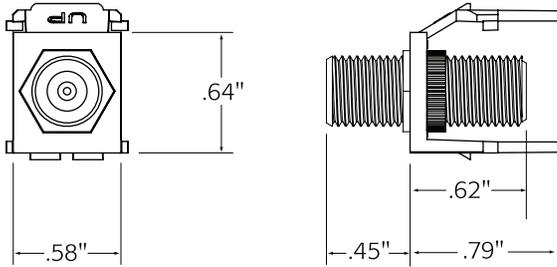
WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com.

PERFORMANCE SPECIFICATIONS	
Frequency Range	DC - 3.0 GHz (Nickel) DC - 3.0 GHz (Gold)
Insertion Loss	≤ 0.2 dB @ 3.0 GHz (Nickel) ≤ 0.2 dB @ 3.0 GHz (Gold)
Return Loss	≥ 26 dB @ 3.0 GHz (Nickel) ≥ 26 dB @ 3.0 GHz (Gold)
Electrical Impedance	75 Ω
Contact Resistance	< 4 Milliohms
Holding Force	> 160 Grams Initial > 120 Grams after Insertion

ELECTRONIC FILES

For CAD files, typical specs, or dimensional line art. (.DXF, .DWG), visit www.leviton.com.



41084-FxF 40831-0Bx

PART NUMBERS

Description	Part No.
F-Type Adapter, Nickel Plated, white	41084-FWF
F-Type Adapter, Nickel Plated, Ivory	41084-FIF
F-Type Adapter, Nickel Plated, Almond	41084-FAF
F-Type Adapter, Nickel Plated, Grey	41084-FGF
F-Type Adapter, Nickel Plated, Black	41084-FEF
F-Type Adapter, Nickel Plated, Light Almond	41084-FTF
F-Type Adapter, Gold Plated, White	40831-0BW
F-Type Adapter, Gold Plated, Ivory	40831-0BI
F-Type Adapter, Gold Plated, Almond	40831-0BA
F-Type Adapter, Gold Plated, Light Almond	40831-0BT



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GHS/GSV SERIES DIGITAL CATV SPLITTERS

MODELS GHS-2 : GHS-3 : GHS-4 : GHS-8 : GSV-2 : GSV-3 : GSV-4 : GSV-6 : GSV-8



MODEL GHS-2



MODEL GHS-3



MODEL GHS-4



MODEL GHS-8



MODEL GSV-2



MODEL GSV-3



MODEL GSV-4



MODEL GSV-6



MODEL GSV-8

FEATURES

- **SCTE Compliant Flat-End F-Ports**
- **Enhanced Return Path Specifications**
- **Low Intermodulation Distortion**
- **Capacitor Decoupled**
- **130 dB RFI Shielding**
- **3-Way Ground Screw: Hex/Phillips/Slot**

CATV DIGITAL SPLITTERS

The **GHS** and **GSV** Series 1 GHz Splitters were designed to meet the latest digital and return path requirements.

BLACK LABEL GHS DIGITAL CATV SPLITTERS

MODELS GHS-2* : GHS-3* : GHS-4*

- **Smaller Housings for Tight Installations**
- **SCTE-Compliant Flat-End F-Ports**
- **Nickel Plated**



* POWER PASSING MODELS AVAILABLE - SEE PAGE 89

GHS/GSV SERIES DIGITAL CATV SPLITTERS

SPECIFICATIONS

PARAMETER	FREQUENCY RANGE (MHz)	GHS-2		GHS-3		GHS-3B		GHS-4		GHS-8	
		TYP.	QC.	TYP.	QC.	TYP.	QC.	TYP.	QC.	TYP.	QC.
Insertion Loss (dB)(Max)	5 - 15	3.5	3.6	3.7 / 6.9	3.8 / 7.0	5.6	5.8	7.0	7.1	10.7	11.2
	16 - 40	3.6	3.7	3.7 / 6.9	3.8 / 7.0	5.6	5.8	6.8	6.9	10.5	11
	41 - 450	3.7	3.8	3.7 / 7.0	3.8 / 7.0	6.2	6.5	7.0	7.1	11	11.5
	451 - 750	3.8	3.9	3.9 / 7.5	4.0 / 7.6	6.3	6.5	7.5	7.6	12	12.5
	751 - 1000	3.9	4.0	4.0 / 8.0	4.2 / 8.2	6.9	7	8.1	8.2	12	12.5
Isolation (dB)	5 - 15	26	25	30	22	25	20	30	22	24	20
	16 - 40	45	40	38	35	38	35	40	32	28	25
	41 - 450	31	30	30	25	28	25	30	25	28	25
	451 - 750	31	30	28	25	25	23	28	25	23	20
	751 - 1000	30	25	25	23	22	20	25	23	22	20
Input Return Loss (dB)(Min)	5 - 15	25	24	25	20	22	20	25	20	24	20
	16 - 40	26	25	28	24	25	22	28	24	26	22
	41 - 450	26	25	28	23	25	22	28	23	24	20
	451 - 750	26	25	28	20	23	20	25	20	23	20
	751 - 1000	25	22	24	20	22	20	21	20	22	20
Output Return Loss (dB)(Min)	5 - 15	26	24	25	22	24	20	25	20	24	20
	16 - 40	35	30	35	30	32	28	30	28	27	24
	41 - 450	26	25	30	23	25	22	28	23	25	21
	451 - 750	26	25	25	20	22	20	25	20	24	20
	751 - 1000	25	22	24	20	22	20	21	20	23	20

PARAMETER	FREQUENCY RANGE (MHz)	GSV-2		GSV-3		GSV-4		GSV-6		GSV-8	
		TYP.	QC.	TYP.	QC.	TYP.	QC.	TYP.	QC.	TYP.	QC.
Insertion Loss (dB)(Max)	5 - 15	3.3	3.5	3.5 / 6.8	3.6 / 6.9	6.8	6.9	9.1	9.2	10	10.5
	16 - 40	3.3	3.5	3.5 / 6.9	3.6 / 7.0	6.9	7.0	9.1	9.2	10.3	10.8
	41 - 450	3.6	3.8	3.8 / 7.4	3.9 / 7.5	7.4	7.5	9.9	10	11	11.5
	451 - 750	3.9	4.2	4.0 / 8.0	4.1 / 8.1	8	8	10.5	11	11.7	12.2
	751 - 1000	4	4.4	4.0 / 8.0	4.2 / 8.2	8.1	8.2	11.3	11.5	12.2	12.5
Isolation (dB)	5 - 15	26	20	35	23	29	24	24	23	30	25
	16 - 40	33	25	38	25	29	25	25	24	30	24
	41 - 450	35	22	36	22	30	25	23	22	25	22
	451 - 750	32	20	30	22	28	24	22	20	23	21
	751 - 1000	28	20	25	20	27	24	21	20	22	20
Input Return Loss (dB)(Min)	5 - 15	24	20	21	19	22	18	19	18	22	18
	16 - 40	27	22	23	21	24	20	21	20	25	22
	41 - 450	23	20	23	20	25	21	21	20	24	20
	451 - 750	24	18	22	20	22	18	20	18	23	19
	751 - 1000	24	18	21	18	21	18	19	18	22	18
Output Return Loss (dB)(Min)	5 - 15	22	20	20	18	21	18	17	16	22	18
	16 - 40	28	22	32	20	25	22	21	20	28	22
	41 - 450	31	20	26	20	28	25	21	20	24	20
	451 - 750	30	20	22	18	23	18	20	18	23	19
	751 - 1000	25	20	20	18	21	18	19	18	22	18

NOTE: All specifications typical unless otherwise noted

Decora® Multimedia Inserts

APPLICATION

Field-configurable Decora® housing that accepts all QuickPort® snap-in modules. They are used to support voice, data, audio and video applications in NEMA openings where a Decora brand look is desired.



SPECIFICATION

The workstation housing shall be a field-configurable true Decora housing that fits standard NEMA openings. It should provide 1, 2, 3, 4 or 6 ports which are field-configurable with a variety of QuickPort snap-in connectors/modules. It must be constructed of high-impact, fire-retardant plastic rated UL 94V-0. Colors, configurations and related wallplates to be specified per schedule on plan. Must also be UL Listed, and compliant with FCC Part 68 and TIA/EIA-568-C.0 specifications.

FEATURES

- Mounts completely flush
- True Decora brand design matches Leviton Decora rocker switches and electrical products
- Fits within minimum NEMA openings
- Compatible with individual QuickPort modules
- High port density options

DESIGN CONSIDERATIONS

- Use where a Decora look and flush-mounting are important
- Fits locations where a Decora opening exists
- Available in single or multiple gangs
- If ganged with electrical devices, use the 47610 series of mounting brackets or a barrier box
- Put blanks (41084-BXB) in unused ports to allow for future expansion
- Inserts accept all QuickPort connectors
- To ID ports, use different colored connectors for each application
- Inserts accept all QuickPort connectors

STANDARDS COMPLIANCE

Meets or exceeds all applicable standards: UL Listed; complies with NEC® Article 800; TIA/EIA-568-C.0; meets FCC Part 68.

PERFORMANCE SPECIFICATIONS

Dimensions: 4.15" H x 1.41" W x 0.45" D

Capacity: 1 to 6 snap-in modules

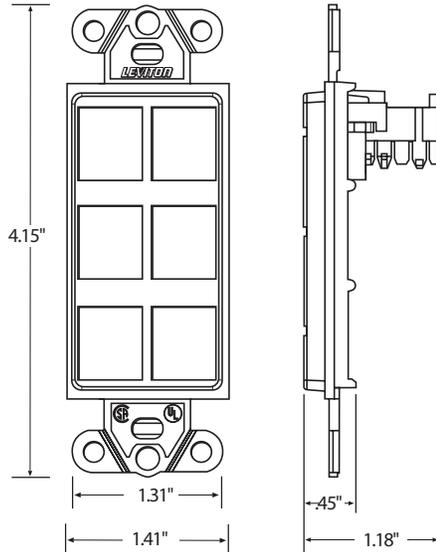
Materials: High-impact, fire-retardant plastic rated UL 94V-0

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com.

ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.



4164x-xxx

PART NUMBERS						
Description	White	Lt. Almond	Ivory	Grey	Black	Brown
1-port Decora Insert	41641-00W	41641-00T	41641-00I	41641-0GY	41641-00E	41641-00B
2-port Decora Insert	41642-00W	41642-00T	41642-00I	41642-0GY	41642-00E	41642-00B
3-port Decora Insert	41643-00W	41643-00T	41643-00I	41643-0GY	41643-00E	41643-00B
4-port Decora Insert	41644-00W	41644-00T	41644-00I	41644-0GY	41644-00E	41644-00B
6-port Decora Insert	41646-00W	41646-00T	41646-00I	41646-0GY	41646-00E	41646-00B

Note: QuickPort® snap-in modules (connectors and simplex modules), Decora® wallplates and Decora Plus® wallplates are sold separately



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