

XX258-50-00

**ROUGHNECK™**

**MODEL V920D-ICD AND V920D-ICH  
IN-CEILING MOUNTING KITS**

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# Installation & Operation Manual







Dear Valued Customer:

Thank you for selecting Vicon systems and products for your video needs.

Since Vicon's beginning in 1967, our only business has been the design, engineering, and production of the highest quality video systems and equipment for use in a wide variety of security, safety, control, surveillance, and communication applications.

We stand behind the quality and dependability of every product with an industry leading Beneficial Use warranty.

If you are not satisfied with a Vicon product or service, I would like to know. Your complete satisfaction is the mission of every Vicon employee.

Sincerely,

Kenneth M. Darby  
President



# Introduction

The information in this manual covers the installation, operation, and maintenance of the V920D-ICD and V920D-ICH In-Ceiling Mounting Kits. This unit should only be installed by a qualified technician using approved materials and wiring practices in accordance with the national Electric Code ANSI/NFPA 70, state, and local codes. Read these instructions through completely before attempting installation.

The V920D-ICH is designed to allow the Roughneck V920D Camera Dome to be mounted into a hard ceiling; the V920D-ICD is designed to allow the Roughneck V920D Camera Dome to be mounted into a dropped ceiling. These mounting kits provide a sturdy support when an in-ceiling installation is required. Refer to Table 1.

**Table 1  
Product Description**

Model Number	Product Code	Description
V920D-ICH	10176-98	In-ceiling mounting kit for hard ceilings; includes mounting bracket and all necessary hardware
V920D-ICD	10176-97	In-ceiling mounting kit for drop ceilings; includes pre-assembled mounting rails and all necessary hardware

# Installation

The V920D-ICD and V920D-ICH In-Ceiling Mounting Kits include all the components necessary to complete the installation, including appropriate hardware. See Table 2. For complete installation instructions for the V920D, refer to XX258-0X.

**Table 2: Mounting Kit Components**

Component	Quantity	Function
<b>V920D-ICH</b>		
Scribe	1	Used to mark exact hole to cut for dome installation
Mounting bracket	1	Secures camera dome into ceiling
Interface plate	1	Adapts camera dome for in-ceiling installation
8-32 pan head mounting screws	2	Secures bracket assembly into the ceiling
M5 flat head screws	4	Secures interface plate to camera dome base
<b>V920D-ICD</b>		
Scribe	1	Used to mark exact hole to cut for dome installation
Pre-assembled mounting rails	1	Secures camera dome assembly to the drop ceiling supports
Interface plate	1	Adapts camera dome for in-ceiling installation
8-32 pan head mounting screws	4	Secures bracket assembly into the ceiling
M5 flat head screws	4	Secures interface plate to camera dome base

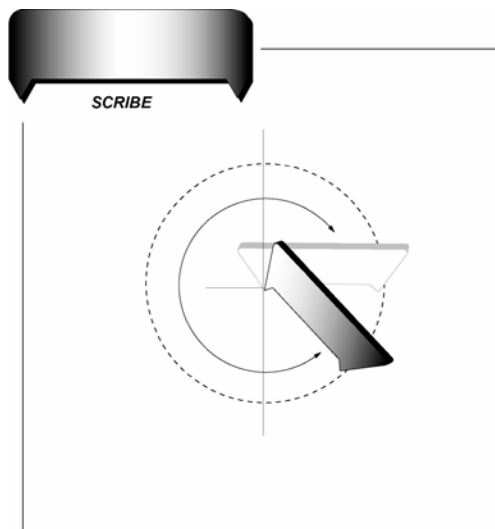
The ceiling material must provide suitable strength to support the weight of the V920D dome (2.5 lb, 1.1 kg). Be sure the area around the selected location is clear of obstacles (such as steel beams, headers, pipes, electrical wiring, etc.) that would interfere with mounting. Video and power cables must be routed to the location. Before beginning installation, refer to the installation manual for the V920D Camera Dome, XX258-0X, for complete instructions.

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## Using the Scribe

A small metal scribe is provided to assist in marking an accurate hole size in a hard ceiling or a ceiling tile for in-ceiling installations. Refer to Figure 1 and use as follows:

1. When working in a drop ceiling, remove the ceiling tile and place it on a large flat surface, face up. For a hard ceiling, work directly on the ceiling surface.
2. Choose the desired location for the V920D installation. For aesthetic purposes in a drop ceiling, find the approximate center to the ceiling tile.
3. Place one end of the scribe at the center of the desired location and rotate the scribe around the center for a full turn.
4. Cut out the circle, using a sharp tool, on the scribed line.



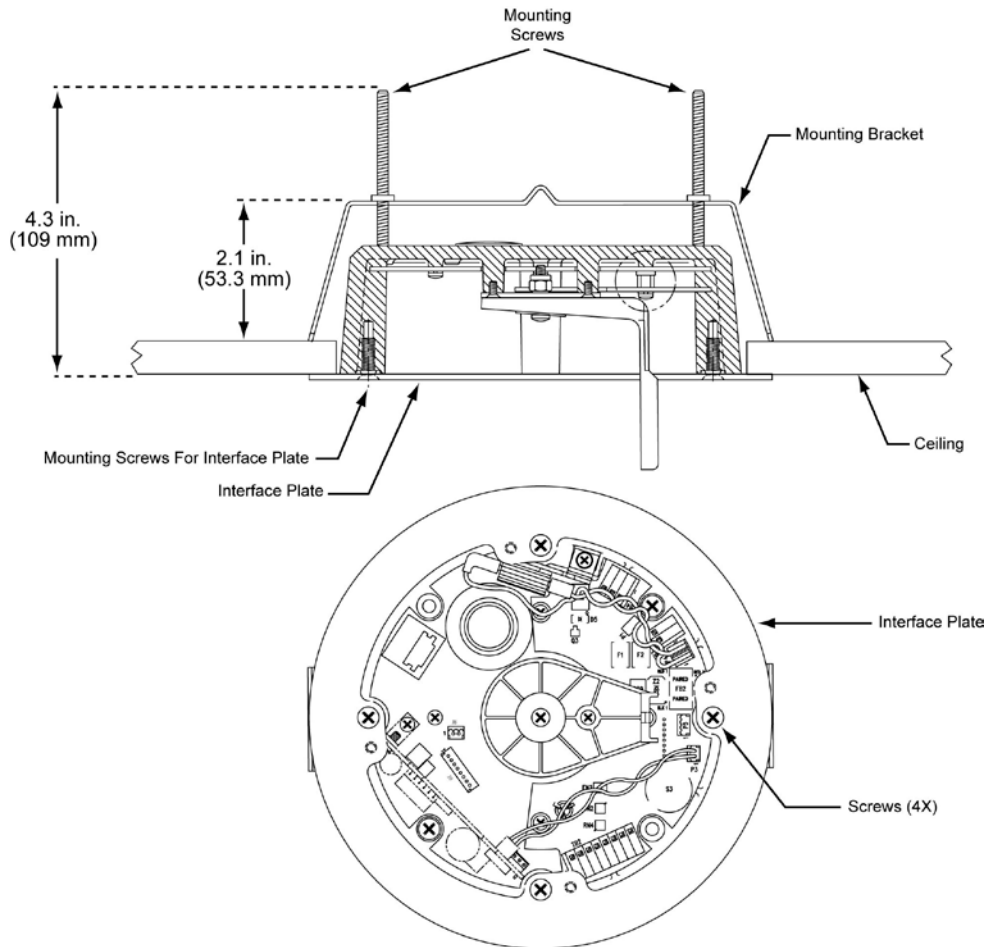
**Figure 1**  
**Using the Scribe**

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## Installing the V920D-ICH

1. Working on the V920D on a bench, remove the lower dome and trim ring assembly. Detach the lanyard from inside the base.
2. Install the interface plate onto the base of the V920D with the four (4) flat head screws provided. Reattach the lanyard inside the base.
3. If not already done, cut a hole in the ceiling using the scribe provided. Refer to Using the Scribe section.
4. Secure the V920D assembly with interface plate to the mounting bracket using either set of 2 opposite mounting holes (4 holes are provided). Be sure to orient the base so the cable access hole in the base is not blocked by the bracket. Refer to Figure 2.
5. Compress the mounting bracket and insert it into the hole in the ceiling. The right angle sides of the bracket will be outside the hole at the bottom. Refer to Figure 2.
6. Tighten the screws in the top of the bracket. This expands the bracket and squeezes it into the ceiling for a secure fit.

8. Refer to XX258-0X for cabling, adjustment of the camera/lens and reattachment of the lower dome/trim ring assembly.



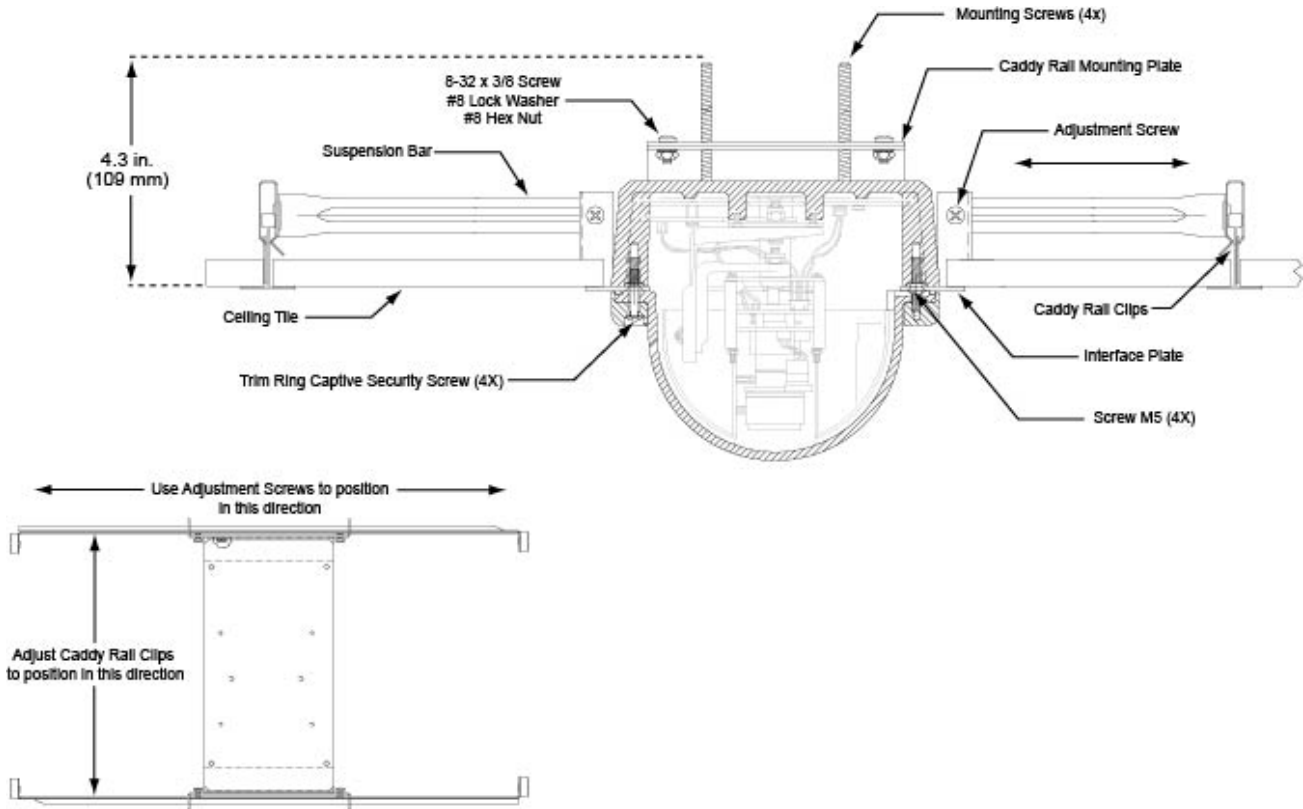
**Figure 2**  
**V920D-ICH Installation**

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## Installing the V920D-ICD

1. Working on the V920D on a bench, remove the lower dome and trim ring assembly. Detach the lanyard from inside the base.
2. Install the interface plate onto the base of the V920D with the four (4) flat head screws provided. Reattach the lanyard inside the base.
3. If not already done, cut a hole in the ceiling tile using the scribe provided. Refer to Using the Scribe section.
4. Remove adjacent tiles to access the clips for access.
5. Working from the adjacent tile area, position the assembly squarely over the hole and replace the cut tile in the ceiling. Place the rail assembly into the hole and fasten the caddy rail clips to the existing frame. Refer to Figure 3.
6. Tighten the horizontal adjustment screws to secure the position.

7. Align cable access hole in camera dome base with cable hole provided on the caddy rail mounting plate and secure the camera dome base to the mounting plate, using the trim ring security screws. Tighten each screw a little at a time until snug. Do NOT OVERTIGHTEN screws.
8. Refer to XX258-0X for cabling, adjustment of the camera/lens and reattachment of the lower dome/trim ring assembly.



**Figure 3**  
**V920D-ICD Installation**

# Maintenance

The V920D-ICH and V920D-ICD Mount Kits require no maintenance.



# Shipping Instructions

Use the following procedure when returning a unit to the factory:

1. Call or write Vicon for a Return Authorization (R.A.) at one of the locations listed below. Record the name of the Vicon employee who issued the R.A.

Vicon Industries Inc.  
89 Arkay Drive  
Hauppauge, NY 11788  
Phone: 631-952-2288; Toll-Free: 1-800-645-9116; Fax: 631-951-2288

For service or returns from countries in Europe, contact:

Vicon Industries Ltd  
Brunel Way  
Fareham, PO15 5TX  
United Kingdom  
Phone: +44 (0) 1489 566300; Fax: +44 (0) 1489 566322

2. Attach a sheet of paper to the unit with the following information:
  - a. Name and address of the company returning the unit
  - b. Name of the Vicon employee who issued the R.A.
  - c. R. A. number
  - d. Brief description of the installation
  - e. Complete description of the problem and circumstances under which it occurs
  - f. Unit's original date of purchase, if still under warranty
3. Pack the unit carefully. Use the original shipping carton or its equivalent for maximum protection.
4. Mark the R.A. number on the outside of the carton on the shipping label.

## Vicon Standard Equipment Warranty

Vicon Industries Inc. (the "Company") warrants your equipment to be free from defects in material and workmanship under Normal Use from the date of original retail purchase for a period of three years, with the following exceptions:

1. Monitors, all models: One year from date of original retail purchase.
2. Uninterruptible Power Supplies: Two years from date of original retail purchase.
3. VDR-700 Recorder Series: One year from date of original retail purchase.
4. V5616MUX: One year from date of original retail purchase.
5. Arecont Cameras: One year from date of original retail purchase.
6. FMC series fiber-optic media converters and associated accessories: Lifetime warranty.
7. For PTZ cameras, "Normal Use" excludes prolonged use of lens and pan-and-tilt motors, gear heads, and gears due to continuous use of "autopan" or "tour" modes of operation. Such continuous operation is outside the scope of this warranty.
8. Any product sold as "special" or not listed in Vicon's commercial price list: One year from date of original retail purchase.

Date of retail purchase is the date original end-user takes possession of the equipment, or, at the sole discretion of the Company, the date the equipment first becomes operational by the original end-user.

The sole remedy under this Warranty is that defective equipment be repaired or (at the Company's option) replaced, at Company repair centers, provided the equipment has been authorized for return by the Company, and the return shipment is prepaid in accordance with policy.

The Company will not be obligated to repair or replace equipment showing abuse or damage, or to parts which in the judgment of the Company are not defective, or any equipment which may have been tampered with, altered, misused, or been subject to unauthorized repair.

**Software supplied either separately or in hardware is furnished on an "As Is" basis. Vicon does not warrant that such software shall be error (bug) free. Software support via telephone, if provided at no cost, may be discontinued at any time without notice at Vicon's sole discretion. Vicon reserves the right to make changes to its software in any of its products at any time and without notice.**

**This Warranty is in lieu of all other conditions and warranties express or implied as to the Goods, including any warranty of merchantability or fitness and the remedy specified in this Warranty is in lieu of all other remedies available to the Purchaser.**

No one is authorized to assume any liability on behalf of the Company, or impose any obligations on it in connection with the sale of any Goods, other than that which is specified above. In no event will the Company be liable for indirect, special, incidental, consequential, or other damages, whether arising from interrupted equipment operation, loss of data, replacement of equipment or software, costs or repairs undertaken by the Purchaser, or other causes.

This warranty applies to all sales made by the Company or its dealers and shall be governed by the laws of New York State without regard to its conflict of laws principles. This Warranty shall be enforceable against the Company only in the courts located in the State of New York.

The form of this Warranty is effective May 4, 2012.

**THE TERMS OF THIS WARRANTY APPLY ONLY TO SALES MADE WHILE THIS WARRANTY IS IN EFFECT. THIS WARRANTY SHALL BE OF NO EFFECT IF AT THE TIME OF SALE A DIFFERENT WARRANTY IS POSTED ON THE COMPANY'S WEBSITE, [WWW.VICON-SECURITY.COM](http://WWW.VICON-SECURITY.COM). IN THAT EVENT, THE TERMS OF THE POSTED WARRANTY SHALL APPLY EXCLUSIVELY.**

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Vicon Part Number: 8006-9010-03-10 Rev 0512

# Notes

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