



# THE SEEKER™

Video Inspection Systems



**Precision, Specialty and Innovation**



# DCS400 SERIES

## Video Over Internet Capability

## THE SEEKER™ 400 SERIES

## Wireless Recording Video Inspection Systems

Wireless, video and still image recording digital camerascopes for the visual inspection of inaccessible areas



No. DCS400

FC CE

### Includes:

Custom Hard Case, Pistol Grip Camera Handle with 1m Long, Flexible-Obedient Probe, Detachable Wireless Monitor, 2GB Micro SD Memory Card, 3 Accessory Tools, 1 Mini-Screwdriver, USB and Video Interconnect Cables, Built-in Magnets, 2 Lithium-Ion Rechargeable Batteries with AC Adapter/Charger, Instruction Manual, 3 Year Limited Warranty

### Applications:

- Ideal for: Automotive, Plumbing, Construction and Restoration, HVAC/R, and any other Inspection of Hard-To-Reach and Hard-To-See Areas

### System Descriptions:

There are 3 SEEKER 400 Series systems available:

- 1) **The DCS400 System** with a 12mm (0.47 in.) diameter x 1m (3.28 ft.) long flexible-obedient close-focus\*1 camera tipped probe (Depth Of Field 0.5 to 5.0 in. (12.7 to 127mm))
- 2) **The DCS400-05 System** with a 5.5mm (0.22 in.) diameter x 1m (3.28 ft.) long flexible-obedient close-focus\*1 camera tipped probe (Depth Of Field 0.5 to 5.0 in. (12.7 to 127mm))
- 3) **The DCS400-09 System** with a 9mm (0.35 in.) diameter x 1m (3.28 ft.) long flexible-obedient close-focus\*1 camera tipped probe (Depth Of Field 0.5 to 5.0 in. (12.7 to 127mm))

### Features:

- Wireless Interface with optional RCV100 module enables live streaming video over the internet.
- 3.5 in. (88.9mm) diagonal TFT-LCD Wireless Color Monitor can be detached from the unit for remote viewing up to 10m (32 ft.) away
- Monitor features 4x zoom and 180° image flip features
- Both monitor and handle use rechargeable Lithium-Ion batteries which can be charged at the same time using the included one-into-two charging cable
- View results in real-time, record video and capture/save still photos (JPEG) with instant playback review. Up to 3 hours of video (AVI)
- NTSC or PAL compatible
- Built-in magnets and stand facilitate hands-free operation
- Choice of 5 menu languages: English, French, Spanish, Chinese and Portuguese
- Interchangeable probes in multiple sizes

### Specifications:

#### DETACHABLE, WIRELESS MONITOR:

**Display:** 3.5 in. (88.9mm) diagonal TFT LCD Color Screen  
**Resolution:** 320 x 240 Pixels  
**Video/Image Resolution:** 320 x 240 Pixels (AVI)  
**Dimensions:** 3.9 x 3.3 x 1.0 in. (100 x 85 x 25mm)  
**Weight:** 6.1 oz. (approx. 172g)  
**Power Source:** 1 Lithium-Ion rechargeable battery  
**CE/FCC Approvals:** Yes

#### CAMERA HANDLE:

**Transmission Range:** Up to 10m (32.8 ft.) clear field  
**Transmission Frequency:** 2.4GHz  
**Resolution:** 320 x 240 Pixels (NTSC) 704 x 576 pixels (PAL)  
**Dimensions:** 8.5 x 6.5 x 1.9 in. (215 x 165 x 50mm)  
**Weight:** 15 oz. (425g)  
**Power Source:** 1 Lithium-Ion rechargeable battery (included)

#### SYSTEM PROBES: (See also back cover)

##### All probes are:

- Camera tipped with built-in adjustable LED lighting
- Flexible, strong and slim enough to perform automotive engine check-up
- Water, oil and dust proof to IP67 standards
- Flexible-obedient and will retain configured shape to suit various inspection needs

#### DCS400

**Supplied Probe:** 12mm (See System Descriptions)  
**Light Source:** 2 Adjustable High Intensity LEDs  
**Field of View:** 60°  
**Optional 12mm Dia. Probe Extensions:** 1m, 2m, 3m (3.28 ft., 6.6 ft., 9.9 ft.) for maximum 5m (16 ft.)  
**Optional Probes:**  
 1) The 12mm far-focus\*2 probe  
 2) The 9mm close-focus\*1 probes  
 3) The 5.5mm close-focus\*1 probes

#### DCS400-05

**Supplied Probe:** 5.5mm (See System Descriptions)  
**Light Source:** 4 adjustable high intensity LEDs  
**Field of View:** 95°  
**Tip Accessories:** Thread protector, ball guide and mirror

#### Optional Probes:

- 1) Other 5.5mm close-focus\*1 probes
- 2) The 9mm close-focus\*1 probes
- 3) The 12mm far-focus\*2 probe
- 4) The 12mm close-focus\*1 probe
- 5) The 12mm probe extensions

#### DCS400-09

**Supplied Probe:** 9mm (See System Descriptions)  
**Light Source:** 4 adjustable high intensity LEDs  
**Field of View:** 95°  
**Tip Accessories:** Thread protector, hook, magnet and mirror

#### Optional Probes:

- 1) Other 9mm close-focus\*1 probes
- 2) The 5.5mm close-focus\*1 probes
- 3) The 12mm far-focus\*2 probe
- 4) The 12mm close-focus\*1 probe
- 5) The 12mm probe extensions





# DCS300 SERIES

## THE SEEKER 300 SERIES

### Video Inspection Systems

Compact video camerascopes for the visual inspection of inaccessible areas

#### Applications:

- Ideal for: Automotive, Plumbing, Construction and Restoration, HVAC/R, and any other Inspection of Hard-To-Reach and Hard-To-See Areas

#### Systems:

There are 2 SEEKER 300 Series systems available:

- 1) **The DCS300 System** with a 12mm (0.47 in.) diameter x 1m (3.28 ft.) long flexible-obedient far-focus\*2 camera tipped probe (Minimum Focal Distance 4 in. (102mm))
- 2) **The DCS355 System** with a 5.5mm (0.22 in.) diameter x 1m (3.28 ft.) long flexible-obedient close-focus\*1 camera tipped probe (Depth Of Field 0.5 to 5.0 in. (12.7 to 127mm))

#### Features:

- View findings instantaneously with the 3.5 in. (88.9mm) color LCD screen
- Camera tipped probes have built-in adjustable LED lighting
- Probes are flexible, strong and slim enough to perform automotive engine check-up
- Interchangeable probes are water, oil and dust proof to IP67 standards
- Probes are flexible-obedient and will retain configured shape to suit various inspection needs

#### Specifications:

##### BASE SYSTEM WITH MONITOR:

**Display:** 3.5 in. (88.9mm) Color LCD

**Resolution:** 320 x 240 Pixels

**Working Temperature:** 32° to 113°F (0° to 45°C)

**Power Source:** 1 "9V" battery (included)

**Weight:** 16 oz. (approx. 454g)

##### SYSTEM PROBES: (See also back cover)

All probes are:

- Camera tipped with built-in adjustable LED lighting
- Flexible, strong and slim enough to perform automotive engine check-up
- Water, oil and dust proof to IP67 standards
- Flexible-obedient and will retain configured shape to suit various inspection needs



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No. DCS300



#### Includes:

- Custom Hard Case, Pistol Grip Camera Handle with 1m Long, Flexible-Obedient Probe,
- 3 Accessory Tools, 1 "9V" Battery, Mini Screwdriver, Instruction Manual, 3 Year Limited Warranty



#### Specifications: (continued)

##### DCS300

**Supplied Probe:** 12mm (See System Descriptions)

**Light Source:** 2 adjustable high intensity LEDs

**Field of View:** 60°

**Tip Accessories:** 45° Mirror, Magnetic Pick-Up, Pick-Up Hook

##### Optional 12mm Dia. Probe Extensions:

1m, 2m, 3m (3.28 ft., 6.6 ft., 9.9 ft.) for maximum 5m (16 ft.)

##### Optional Probes:

- 1) The 12mm close-focus\*1 probe
- 2) The 5.5mm close-focus\*1 probes
- 3) The 9mm close-focus\*1 probes

##### DCS355

**Supplied Probe:** 5.5mm (See System Descriptions)

**Light Source:** 4 Adjustable High Intensity LEDs

**Field of View:** 60°

**Tip Accessories:** Thread protector, ball guide and mirror

##### Optional Probes:

- 1) Other 5.5mm close-focus\*1 probes
- 2) The 9mm close-focus\*1 probes
- 3) The 12mm far-focus\*2 probe
- 4) The 12mm close-focus\*1 probe
- 5) The 12mm probe extensions





# DCS200



## THE SEEKER™ 200 Video Inspection System

**Compact video camerascope for the visual inspection of inaccessible areas**

### Applications:

- Ideal for: Automotive, Plumbing, Construction and Restoration, HVAC/R, and any other Inspection of Hard-To-Reach and Hard-To-See Areas

### Features:

- View findings instantaneously with the 2.4 in. (60.9mm) color LCD screen
- System is supplied with a 12mm (0.47 in.) diameter x 1m (3.28 ft.) long, flexible-obedient, far focus\*2 camera-tipped probe with built-in adjustable LED lighting
- Probe is flexible, strong and slim enough to perform automotive engine check-up
- Flexible-obedient probes retain configured shape to suit different inspection needs
- Probes are water, oil and dust proof to IP67 standards
- Mirror, magnet and pick-up hook accessories
- Optional 12mm probe extensions of 1m, 2m, and 3m (3.28 ft., 6.6 ft., 9.9 ft.) are available to extend probelength up to 5m (16 ft.)
- Optional 5.5mm, 9mm and 12mm probes are available

### Specifications:

- Display:** 2.4 in. (60.9mm) Color LCD
- Resolution:** 320 x 240 Pixels
- Supplied Probe:** 12mm (0.47 in.) Diameter x 1m (3.28 ft.) long Camera-Tipped, Far-Focus\*2 (Minimum Focal Distance: 4.0 in.)
- Field of View:** 60°
- Light Source:** 2 Adjustable High Intensity LEDs
- Working Temperature:** 32° to 113°F (0° to 45°C)
- Power Source:** 1 "9V" battery (included)
- Weight:** 15.6 oz. (approx. 442g)
- Optional Probes:**
  - 1) The 5.5mm close-focus\*1 probes
  - 2) The 9mm close-focus\*1 probes
  - 3) The 12mm close-focus\*1 probe
  - 4) The 12mm probe extensions



FC CE  
No. DCS200



### Includes:

Custom Hard Case, Pistol Grip Camera Handle with 12mm Diameter x 1m Long, Flexible-Obedient Probe, 3 Accessory Tools: (45° Mirror, Magnetic Pick-Up, Pick-Up Hook), 1 "9V" Battery, Mini-Screwdriver, Instruction Manual, 3 Year Limited Warranty





# DCS100 / RCV100

Video Over Internet Capability

## THE SEEKER™ 100

### Wireless USB Video Inspection System

Wirelessly transmits video and images to your computer up to 30 feet away; enclosed software enables streaming video for remote viewing over the Internet

#### Features:

- Built-in radio transmitter wirelessly transmits (up to 10 feet) live video signal to the RCV100 USB video receiver, this enables the video to be viewed on a Windows PC and streamed live over the internet
- Works with Windows 7, Vista and XP
- 12mm (0.47 in.) diameter, 1m (3.28 ft.) long, flexible-obedient, far focus\*2 camera-tipped probe is water, oil and dust proof to IP67 standards
- Optional probe extensions of 1m, 2m, and 3m (3.28 ft., 6.56 ft., 9.84 ft.) are available for the 12mm probe
- In addition to the 12mm (0.47 in.) diameter probe, this unit can also accept optional 9.0mm (.35 in.) and 5.5mm (.22 in.) camera tipped probes
- Adjustable light intensity from built-in LEDs
- Flexible-obedient probes retain configured shape to suit various applications

#### Specifications:

**Supplied Probe:** 12mm (0.47 in.) Diameter x 1m (3.28 ft.) long Far-Focus\*2 Camera-Tipped. Minimum Focal Distance: 4.0 in. (102mm)

**Field of View:** 60°

**Light Source:** 2 Adjustable High Intensity LEDs

**Optional 12mm Probe Extensions:** 1m, 2m, 3m (3.28 ft., 6.6 ft., 9.9 ft.)

**Working Temperature:** 32° to 113°F (0° to 45°C)

**Power Source:** 1 Lithium-ion rechargeable battery (included)

#### Optional Probes:

- 1) The 12mm close-focus\*1 probe
- 2) The 5.5mm close-focus\*1 probes
- 3) The 9mm close-focus\*1 probes

#### Benefits:

- Elegant ergonomic design
- Clear image quality both up close and far
- Transmitter handle will accept optional 9.0mm and 5.5mm camera probes for cutting edge applications
- RCV100 is Skype enabled and can be configured with Skype to send live streaming video over the internet anywhere in the world
- 12mm (0.47 in.) probe extensions enable this instrument to reach up to 3 meters or approx. 10 feet

No. DCS100



#### Includes:

Custom Hard Case, Transmitter Handle with 12mm Diameter x 1m Long, Flexible-Obedient Probe, 3 Accessory Tools: (45° Mirror, Magnetic Pick-Up, Pick-Up Hook), RCV100 Wireless USB Video Receiver, Interface Cable, Software on Mini-CD, Instructional Manual, 3 Year Limited Warranty

## Wireless USB Video Receiver

One of a kind wireless video receiver, not only receives and displays images and videos on a computer transmitted by DCS100 and DCS400 Systems up to 30 feet away, but also enables streaming video via Skype™.

The receiver has a USB 2.0 interface, its power is supplied by computer through its USB port. It's compact in size for easy portability and provides a clear image and stable performance over the long term. It is a vital part of our wireless SEEKER 100 USB video scope set, allowing users to wirelessly receive images and video taken by the probe camera onto the computer for processing, storage and streaming video. It is also a powerful accessory that users of DCS400 series can purchase separately to enable them to hold live video diagnosis or conferences with participants across the globe via common internet video conferencing such as Skype.

#### Features:

- Skype enabled streaming video receiver sends live video over the internet
- Easy-to-use
- USB 2.0 interface
- Works with models DCS100 and DCS400 series for use in remote video presentations and live video troubleshooting and training
- 4 channel selection, enabling the user to select uncluttered radio bands

#### Specifications:

**Wireless Transmission Frequency:** 2414MHz, 2432MHz, 2450MHz, 2468MHz

**Wireless transmission distance:** Up to 10M; (33 ft.)

**Operating Temperature:** 32° to 103°F (0° to 45°C)

**Operating Humidity:** 5% to 95% RH non-condensing

**Storage Temperature:** -4° to 140°F (-20° to 50°C), ≤85% RH

**Dimensions:** 3.26 x 1.65 x 0.74 in. (83 x 42 x 19mm)

**Weight:** 1.23 oz. (approx. 35g)



No. RCV100

#### Includes:

Receiver, USB Cable, Video Cable, Software on Mini-CD, Instructional Manual, 3 Year Limited Warranty



# DCS050

## THE SEEKER™ 050 USB Video Inspection System

Features a fixed 12mm diameter, 1 meter long, waterproof camera probe and USB connection to view images and video on your computer.

### Features:

- USB computer interface
- Works with Windows 7, Vista and XP
- 12mm (0.47 in.) diameter camera tipped probe is flexible and strong
- Camera pixel resolution: 320 x 240
- Adjustable light intensity from two built-in LEDs
- 1m (3.28 ft.) flexible shaft retains configured shape to suit various applications
- Probe is water, oil and dust proof to IP67 standards

### Specifications:

**Resolution:** 640x480

**Fixed Probe:** 12mm (0.47 in.) Diameter x 1m (3.28 ft.) long Far-Focus\*2 Camera-Tipped

**Field of View:** 60°

**Light Source:** 2 Adjustable High Intensity LEDs

**Working Temperature:** 32° to 113°F (0° to 45°C)

**Working Humidity:** RH 5% to 95% non-condensing

**Power Source:** USB computer supply

**Connection:** Standard USB interface or higher

**Storage Temperature:** -4° to 122°F (-20° to 50°C), ≤85% RH

**Dimensions:** 10.5 x 2.9 x 3.1 in. (266 x 73 x 80mm)

**Weight:** 4.8 oz. (135g) w/o probe



No. DCS050

### Benefits:

- Elegant ergonomic design
- Clear image quality both up close and far away



### Includes:

Scope Handle with Fixed 12mm (0.47 in.) Probe, Instruction Manual, 3 Year Warranty.



# AWARD WINNING PACKAGING



## THE SEEKER 400 Wireless Recording Video Inspection Systems

Wireless, video and still image recording digital camerascopes for the visual inspection of inaccessible areas



## THE SEEKER 300 Video Inspection Systems

Compact video camerascopes for the visual inspection of inaccessible areas



## THE SEEKER 200 Video Inspection System

Compact video camerascope for the visual inspection of inaccessible areas



## THE SEEKER 100 Wireless USB Video Inspection System

Wirelessly transmits video and images to your computer up to 30 feet away; enclosed software enables streaming video for remote viewing over the Internet



# THE SEEKER™ SYSTEMS AND PROBES

All probes for the Seeker Systems are interchangeable except for the DCS050 which has a fixed probe.

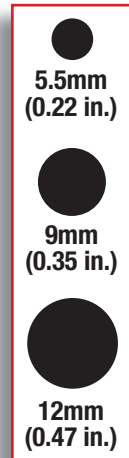
## The SEEKER™ Systems and Included Probes

Model #	UPC	Screen Size	Video/Still Recording	Wireless	Audio	Included Probe	Description
DCS400-09	01426 4	3.5 in. (88.9mm)	✓	✓		P495-1N	The Seeker™ 400-09 Wireless, Recording, Video Inspection System
DCS400-05	01447 9	3.5 in. (88.9mm)	✓	✓		P455-1N	The Seeker™ 400-05 Wireless, Recording, Video Inspection System
DCS400	01371 7	3.5 in. (88.9mm)	✓	✓		P230-1	The Seeker™ 400 Wireless, Recording, Video Inspection System
DCS355	01472 1	3.5 in. (88.9mm)				P455-1N	The Seeker™ 355 Video Inspection System
DCS300	01373 1	3.5 in. (88.9mm)				P230-1F	The Seeker™ 300 Video Inspection System
DCS200	01372 4	2.4 in. (60.9mm)				P230-1F	The Seeker™ 200 Video Inspection System
DCS100	01443 1	—				P230-1F	The Seeker™ 100 Wireless USB Video Inspection System
DCS050	01445 5	—				12mm Fixed	The Seeker™ 050 USB Video Inspection System

## Probe Options for The SEEKER™ Video Inspection Systems

Model #	UPC	Diameter	Length	Description
RCV100	01446 2	—	—	Wireless USB Video Receiver for The Seeker™ 100 & 400 Systems
P230-1	01386 1	12mm (0.47 in.)	1m (3.28 ft.)	Flexible-Obedient Probe - Close Focus* <sup>1</sup>
P230-1F	01474 5	12mm (0.47 in.)	1m (3.28 ft.)	Flexible-Obedient Probe - Far Focus* <sup>2</sup>
P230-1X	01387 8	12mm (0.47 in.)	1m (3.28 ft.)	Flexible-Obedient Probe Extension
P230-2X	01390 8	12mm (0.47 in.)	2m (6.6 ft.)	Flexible-Obedient Probe Extension
P230-3X	01391 5	12mm (0.47 in.)	3m (9.8 ft.)	Flexible-Obedient Probe Extension
P495-1N	01423 3	9mm (0.35 in.)	1m (3.28 ft.)	Flexible-Obedient Probe - Close Focus* <sup>1</sup>
P495-2N	01467 7	9mm (0.35 in.)	2m (6.6 ft.)	Flexible-Obedient Probe - Close Focus* <sup>1</sup>
P495-3N	01468 4	9mm (0.35 in.)	3m (9.8 ft.)	Flexible-Obedient Probe - Close Focus* <sup>1</sup>
P455-1N	01466 0	5.5mm (0.22 in.)	1m (3.28 ft.)	Flexible-Obedient Probe - Close Focus* <sup>1</sup>
P455-2N	01469 1	5.5mm (0.22 in.)	2m (6.6 ft.)	Flexible-Obedient Probe - Close Focus* <sup>1</sup>
P455-3N	01470 7	5.5mm (0.22 in.)	3m (9.8 ft.)	Flexible-Obedient Probe - Close Focus* <sup>1</sup>

Probe Diameters (actual size)



### CLOSE FOCUS AND FAR FOCUS PROBES:

\*1 - A **Close Focus probe** has a defined Depth of Field (DOF) range with very close-up focus. It is ideal for automotive, machinery, tooling and other precision inspections in close-quarters.

The 12mm diameter probe on the DCS400 system has a Depth of Field (DOF) between 0.5 to 5.0 in. (12.7 to 127mm) for optimal viewing effect.

The 9mm and 5.5mm diameter probes also have a Depth of Field (DOF) between 0.5 to 5.0 in. (12.7 to 127mm) for optimal viewing effect.

\*2 - A **Far Focus probe** has a Minimum Focal Distance and is in focus from there to infinity. This type of probe is ideal for HVAC, construction, home and building inspection.

The 12mm diameter probe, standard on the DCS300, 200, 100 and 050 systems, has a focal distance of 4 in. (101.6mm) to infinity.

**WARRANTY INFORMATION:** All Borescopes and Video Inspection Systems from General Tools & Instruments (General®) are under warranty to the original purchaser to be free from defects in material and workmanship. Subject to certain restrictions, General will repair or replace the instrument if, after examination, it is determined by General to be defective in material or workmanship for a period of one or three years as stated within each product description.

This warranty does not apply to damages that General determines to be from an attempted repair by non-authorized personnel or misuse, alterations, normal wear and tear or accidental damage. The defective unit must be returned to General Tools & Instruments or a General authorized service center, freight prepaid and insured.

Acceptance of the exclusive repair and replacement remedies described herein is a condition of the contract for purchase of this product. In no event shall General be liable for any

incidental, special, consequential or punitive damages, or any cost, attorneys fees, expenses, losses alleged to be as a consequence of any damage due to failure of, or defect in, any product including, but not limited to, any claims for loss of profits.

**GENERAL'S RETURN FOR REPAIR POLICY:** Every effort has been made to provide you with a reliable, product of superior quality. However, in the event your instrument requires repair, please contact our Customer Service to obtain an RGA# (Return Goods Authorization) before forwarding the unit, via prepaid freight, to the attention of our Service Center at this address:

General Tools & Instruments, 80 White Street, New York, NY 10013

Remember to include a copy of your proof of purchase, your return address, and your phone number and/or e-mail address.



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