

Digital Camera Scopes



Complete Family of Video Borescopes



Portable, Wireless Data Logging Video Borescope System

Features ultra-slim 5.5mm diameter probe, 3.5 in. color monitor and powerful recording capability of sound, image and video. Optional super-slim 3.9mm diameter probe available.



RoHS



No. DCS1800

Applications:

- Government, Military, Security
- Infrastructure Inspection and Maintenance
- Aircraft Maintenance and Inspection
- Automotive Maintenance
- MRO / Industrial Inspection
- Inspection of Complex Machinery
- Oil, Power and Petro Industry Inspection Applications
- Inspection of Tooling Dies

Features:

- Records audio, video and still images
- Wireless image and video transfer
- 3.3 ft. (1m) long, 5.5mm diameter obedient probe that retains required shape
- Optional 3.9mm diameter ultra-slim probe
- Adjustable super-strength white LED lights inside the tip for optimized illumination
- Water, oil, dust and scratch resistant probes (IPX7)
- 3.5 in. extra-wide, color TFT monitor with super sharp clarity
- Instant playback review
- Optional Click 'N Measure software accessory for sophisticated target analysis
- Multiple language menu
- TV monitor and USB computer interfaces
- Rechargeable internal batteries

Benefits:

- Wireless imaging allows inspection results to be sent to a larger screen up to 150 ft. away for team based analysis
- Wireless camera probe enables access to the smallest and most inaccessible places
- Ultra slim probes with powerful video camera and LED lights in the tip enable user to inspect the tiniest spaces
- Optional 3.9mm diameter camera tipped probe is the slimmest on the market and enables easy access through the spark plug hole of any engine including diesel
- View findings in real-time or record video and still images for output later
- Rechargeable batteries can record for 4 hours and will help you stay "Green"
- Interchangeable accessories provide additional function
- More value for your investment



Includes:

- Hard, Waterproof Blow Mold Case
 - LCD Cleaning Cloth
 - 5.5mm, 3.3 ft. (1m) Obedient Probe
 - AC Adapter/Charger
 - 2GB SD Card
 - Rechargeable battery
 - 3 Interchangeable Mirrored Viewing Tips (70°, 90°, 110°)
 - Instruction Manual
 - One Year Warranty
- (See back page for accessories)

DCS1800 and DCS1600 Specifications:

Camera Tipped Probe:
5.5mm Diameter Standard, 3.9mm Optional

Probe Length:
3.3 ft. (1m) Standard, Up to 98 ft. (30m)
Optional, 5.5mm Only

Display: 3.5 in. Color TFT

Display Monitor: 320 x 240 Pixels

Probe Feature: Water, Oil & Dust resistant (IPX7)

Field of View: Horizontal field angle – 46°
Vertical field angle – 34°
Diagonal field angle – 56°

Depth of Field (DOF): 0.4 to 2.4 in. (1 to 6cm)

Audio: (DCS1800 Only) Integrated microphone

Wireless Transceiver Frequency:
(DCS1800 Only) 2.4GHz
4 Channels (2414MHz, 2432MHz, 2450MHz, 2468MHz)

System Power:
Battery: Rechargeable Li-Polymer Battery 3.7V
Power Supply: AC 100-240V 50-60Hz
Power Consumption: DC5.5 1.8A

Recording Medium: 2GB SD Card

Data Logging Video Borescope Systems

High-Performance, Data Logging Video Borescope System

Features ultra-slim 5.5mm diameter probe,
3.5 in. color monitor and powerful recording capability.
Optional super-slim 3.9mm diameter probe available.

Applications:

- Aircraft Maintenance and Inspection
- Military
- Law Enforcement
- Automotive
- Diesel
- HVAC/R including Air Conditioning, Furnaces and Heat Exchangers
- Other High Level Inspection

Features:

- 3.3 ft. (1m) long, 5.5mm diameter obedient probe that retains required shape
- Optional 3.9mm diameter ultra-slim probe
- Adjustable super-strength white LED lights inside the tip for optimized illumination
- Water, oil, dust and scratch resistant probes (IPX7)
- 3.5 in. extra-wide, color TFT monitor with super sharp clarity
- Records video and still images
- Instant playback review
- Optional Click 'N Measure software accessory for sophisticated target analysis
- 3 Interchangeable angled viewing tips provide extra wide view angle at 70°, 90°, 110°
- Multiple language menu
- TV monitor and USB computer interfaces
- Rechargeable internal batteries

Benefits:

- Ultra-slim probes with powerful video camera and LED lights in the tip enable user to inspect the tiniest spaces
- Optional 3.9mm diameter camera tipped probe is the slimmest on the market and enables easy access through the spark plug hole of any engine including diesel
- View findings in real-time or record video and still images for output later
- Rechargeable batteries can record for 4 hours and will help you stay "Green"
- Interchangeable accessories provide additional function
- More value for your investment

Includes:

- Hard, Blow Mold Case
- 5.5mm, 3.3 ft. (1m) Obedient Probe
- 2GB SD Card
- 3 Interchangeable Mirrored Viewing Tips (70°, 90°, 110°)
- LCD Cleaning Cloth
- AC Adapter/Charger
- Rechargeable Battery
- Instruction Manual
- One Year Warranty



No. DCS1600

CE  RoHS



(See back page for accessories)

DCS1800 & DCS1600 Specifications (cont.):

Video Out Format: NTSC & PAL

Interface: AV Out

Compression Format: Compliant with MPEG4

Image Resolution: 640 x 480 Pixels

Video Resolution: 320 x 240 Pixels

Frame Rate: ~30 fps

Exposure: Automatic

White Balance: Fixed

S/N Ratio: 42dB or more

Languages: English, German, French, Portuguese

Operating Environment: -4° to 140°F (-20° to 60°C)

Storage Environment: -4° to 140°F (-20° to 60°C)

Recharge Environment: 32° to 104°F (0° to 40°C)

Interchangeable Options:

- **3.9mm Diameter Super-Slim Probe:**
No. P1839 2.46 ft. (0.75mm), Obedient
- **Click 'N Measure Software**
No. DCS1618M
- **Set of 3 Mirrored Viewing Tips**
No. PM003 (70°, 90°, 110°)

Data Logging Video Borescope Systems

Articulating, Wireless, Data Logging Video Borescope System



No. DCS1800ART



No. P18ART-1SM
(probe only)

CE  FC RoHS



Applications:

- Ideal for aircraft maintenance, machinery and production line inspection, petro-chemical and power plant inspection, general MRO and facility management

Features:

- One-handed articulation function allows user to turn the probe tip to inspect targets located at sides or at an angle while it is inside a tight space
- Turning knob and lock-button are ergonomically-engineered, and offer one-handed easy control to the probe tip to view targets from ideal angle
- Durable material and construction: all components pass 60,000 cycle test

Specifications:

- **Articulation Angle:** 2 way
- **Articulation Sweep:** 0 to $\pm 120^\circ$
- **Probe Types:**
P18ART-1SM: 1m, articulating, soft metal probe for DCS1800 Systems
P16ART-1SM: 1m, articulating, soft metal probe for DCS1600 Systems

Articulating, Data Logging Video Borescope System



Articulation Sweep: 0 to $\pm 120^\circ$



No. P16ART-1SM
(probe only)

No. DCS1600ART

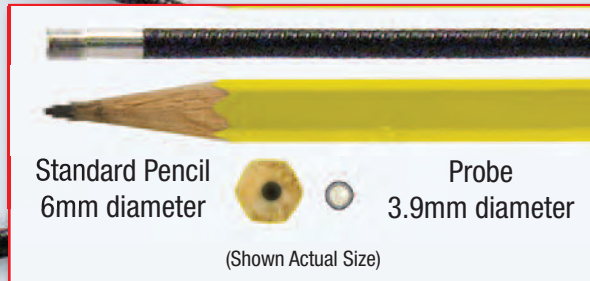
CE  RoHS



Borescope System Options

Optional 3.9mm Probe

No. P1839



Standard Pencil
6mm diameter

Probe
3.9mm diameter

(Shown Actual Size)

Applications:

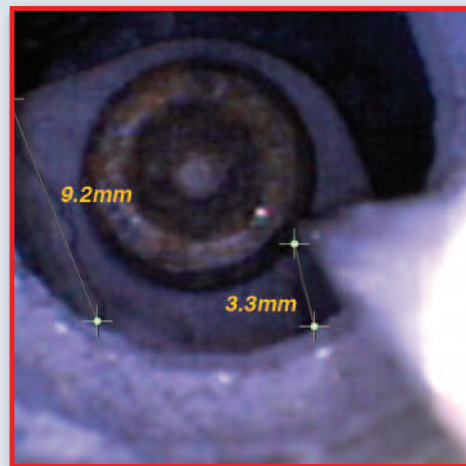
3.9mm optional probe is now available for DCS1800 and DCS1600. This probe is the world's slimmest with a video camera and adjustable LED lights imbedded in the tiny head. It is ideal for inspection of tiny spaces in aircraft inspection, engine check up and other high-demand industrial inspection applications.

Features:

- 3.9mm diameter probe, 0.75m (2.5 ft.) in length, compatible with DCS1800 and DCS1600
- This optional probe is water, dust and oil proof (IPX7)
- The probe is also obedient, meaning it retains the shape a user needs

Click N' Measure Analysis Software and Measuring Tip

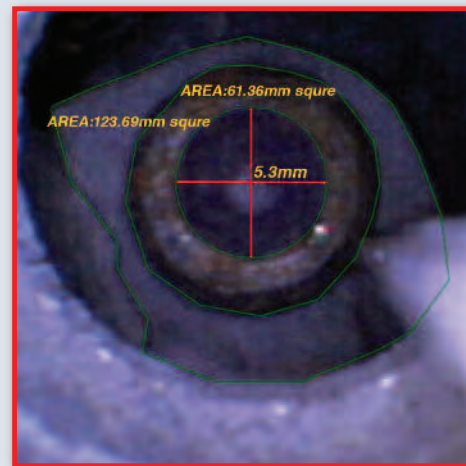
No. DCS1618M



Applications and Features:

Click 'N Measure analysis software and measuring tip for the 5.5mm probe is now available for DCS1800 and DCS1600. This option gives users a cost-effective way to calculate size, angles and areas of defects automatically on a computer.

- Attach the measuring tip to the end of the probe
- Point and click with the precision measuring tip touching the area of the defect
- Using the Analysis Software to analyze recorded images on a computer, it automatically calculates the size and area of the defect
- Inch or mm selectable



Measuring Tip

5.5mm Probe



Analysis Software

Video Inspection Systems



THE SEEKER™ 400

THE SEEKER™ 495

Wireless Data Logging Video Inspection Systems

Compact Video Borescope Systems for the
Visual Inspection of Inaccessible Areas



CE
FC

No. DCS495
No. DCS400
(shown)



Applications:

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

Two Systems Are Available:

- The **DCS400** comes with a 17mm diameter probe suitable for HVAC/R, plumbing and general inspection
- The **DCS495** comes with a 9.5mm diameter probe suitable for automotive, electrical, and other inspections that require a thinner probe
- Both probes are 3.28 ft. (1m) long, flexible, obedient and waterproof to IP67 standards
- Optional probe extensions 2.9 ft. (.9m) long are available for the 17mm probe to extend its length up to 18 ft. (5.5m)

Features:

- 3.5 in. (88.9mm) TFT-LCD Wireless Color Monitor, can be detached from the unit for remote viewing up to 32.8 ft. (10m) away
- Adjustable LED lighting inside the tip of the probe illuminates dark spaces for clear inspection
- Datalogs and records in still photo (JPEG) and video (AVI), up to 3 hours or view it live
- NTSC or PAL compatible
- Choices of 10 menu languages: English, Chinese, German, French, Spanish, Dutch, Portuguese, Italian, Japanese and Russian

Specifications:

- CAMERA:**
- Transmission Range:** 32.8 ft. (10m) clear field
 - Transmission Frequency:** 2468MHz
 - Resolution:** 712 x 486 Pixels (NTSC) (**DCS400**)
704 x 576 Pixels (PAL) (**DCS400**)
640 x 480 Pixels (**DCS495**)
 - Depth of Field (DOF):** 5.9 to 9.8 in. (150 to 250mm)
 - Field of View:** 50° (**DCS400**), 45° (**DCS495**)
 - Camera Tipped Probe:** 17mm Diameter, Standard
9.5mm Diameter, Optional
 - Probe Length:** Standard: 3.3 ft. (1m)
Optional Probe: 9.5mm Diameter, Obedient
 - Optional 17mm Probe Extensions:** Up to 18 ft. (5.5m)
 - Dimensions:** 7.3 x 5.7 x 1.6 in. (186 x 145 x 41mm)
 - Weight:** 18.7 oz. (530g) (**DCS400**)
15.8 oz. (450g) (**DCS495**)

- MONITOR:**
- Display:** 3.5 in. (88.9mm) Color TFT LCD Screen
 - Resolution:** 320 x 240 Pixels
 - Video Output Level:** 0.9 to 1.3V@75W
 - Video/Image Resolution:**
960 x 240 Pixels (AVI format)
640 x 480 Pixels (JPEG format)
 - CE/FCC Approvals:** Yes
 - Power Source:** 4 "AA" batteries (included)
 - Dimensions:** 3.9 x 2.7 x 1 in. (100 x 70 x 25mm)
 - Weight:** 4.9 oz. (140g)
 - Warranty:** 1 year

Includes:

- Hard, Blow Mold Case
- 17mm Diameter, 3.3 ft. (1m) Obedient Probe (**DCS400**)
- 9.5mm Diameter, 3.3 ft. (1m) Obedient Probe (**DCS495**)
- 1GB MicroSD Memory Card
- 3 Extension Tools: (Mirror, Magnet, Pick-Up Hook)
- USB and Video Interconnect Cables
- Magnetic Base Stand
- AC Adapter/Charger
- 3 Interchangeable Mirrored Viewing Tips (70°, 90°, 110°)
- 4 "AA" Batteries
- Mini-Screwdriver
- Instruction Manual
- One Year Warranty

Video Inspection Systems

THE **SEEKER™ 200**THE **SEEKER™ 300**

Video Inspection Systems

Compact Video Borescopes for the Visual Inspection of Inaccessible Areas

Applications:

- Ideal for: Automotive, Electrical, Plumbing, HVAC/R and MRO Maintenance

Features:

- **DCS200:** 2.4 in. (70mm) color LCD screen for crystal clear image
- **DCS300:** 3.5 in. (88.9mm) color LCD screen for crystal clear image
- 12mm diameter camera-tipped probe is flexible and strong with built-in adjustable LED lighting, and is slim enough to perform automotive engine check-up
- Flexible probe retains configured shape to suit different inspection needs
- Probe is water, oil and dust proof to IPX7
- Probe Length: Standard: 3.3 ft. (1m)
Optional: 1m, 2m and 3m probe extensions for up to 5m (16.4 ft.)
- View findings instantaneously
- Mirror, magnet and pick-up hook

Specifications:

- **Display:** **DCS200:** 2.4 in. (70mm) Color LCD
DCS300: 3.5 in. (88.9mm) Color LCD
- **Resolution:** 320 × 234 Pixels
- **Camera-Tipped Probe:** 12mm Diameter
- **Probe Length:** Standard: 3.3 ft. (1m)
Optional: 1m, 2m and 3m probe extensions for up to 5m (16.4 ft.)
- **Depth of Field (DOF):** .98 to 11.8 in.
(25 to 300mm)
- **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)



CE

No. DCS200

No. DCS300

(shown)



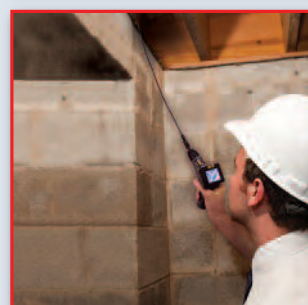
DCS300 Display: 3.5 in. (88.9mm)



DCS200 Display: 2.4 in. (70mm)

Includes:

- Hard, Blow Mold Case
- 3.3 ft. (1m) Flexible Probe
- 3 Extension Tools: (Mirror, Magnet, Pick-Up Hook)
- 1 "9V" Battery
- Mini-Screwdriver
- Instruction Manual
- One Year Warranty



(See back page for accessories)



Video Inspection Scopes

Model #	UPC	Screen Size	Data Logging	Wireless	Audio	Included Probe	Size	Weight
DCS1800	01297 0	3.5 in.		✓	✓	P1618-1SR	17.25 x 15.38 x 6.88 in. (438 x 390.7 x 174.8)	147 oz. (2466.4g)
DCS1800ART	01417 2	3.5 in.		✓	✓	P18ART-1SM	17.25 x 15.38 x 6.88 in. (438 x 390.7 x 174.8)	147 oz. (2466.4g)
DCS1600	01305 2	3.5 in.	✓			P1618-1SR	21.63 x 12.25 x 3.75 in. (549.4 x 310 x 95.25)	87 oz.(4167.4g)
DCS1600ART	01416 5	3.5 in.	✓			P16ART-1SM	21.63 x 12.25 x 3.75 in. (549.4 x 310 x 95.25)	87 oz.(4167.4g)
DCS495	01400 4	3.5 in.	✓	✓		P400-95	7.3 x 5.7 x 1.6 in. (186 x 145 x 41mm)	15.8 oz. (450g)
DCS400	01371 7	3.5 in.	✓	✓		P400-1	7.3 x 5.7 x 1.6 in. (186 x 145 x 41mm)	18.7 oz. (530g)
DCS300	01373 1	3.5 in.				P230-1	15.25 x 11.38 x 3.38 in. (387.3 x 289 x 85.9mm)	78 oz. (2211.2g)
DCS200	01372 4	2.5 in.				P230-1	15.25 x 11.38 x 3.38 in. (387.3 x 289 x 85.9mm)	102 oz. (2891.7g)

Probes, Extensions and Accessories

Part #	UPC	Length	Description	Diameter
P1839	01396 0	.75m (2.5 ft.)	Obedient, forward view probe for DCS1800 and DCS1600	3.9mm
P1618-1SR	01379 3	1m (3.3 ft.)	Obedient, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-2SR	01380 9	2m (6.6 ft.)	Obedient, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-3SR	01381 6	3m (9.8 ft.)	Obedient, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-1SM	01382 3	1m (3.3 ft.)	Soft Metal, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-3SM	01383 0	3m (9.8 ft.)	Soft Metal, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-5SM	01357 1	5m (16.4 ft.)	Soft Metal, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-10SM	01384 7	10m (32.8 ft.)	Soft Metal, forward view probe for DCS1800 and DCS1600	5.5mm
P1618-30SM	01385 4	30m (98.4 ft.)	Soft Metal, forward view probe for DCS1800 and DCS1600	5.5mm
P18ART-1SM	01419 6	1m (3.3ft.)	Articulation, Soft Metal Probe for DCS1800 Systems	5.5mm
P16ART-1SM	01418 9	1m (3.3ft.)	Articulation, Soft Metal Probe for DCS1600 Systems	5.5mm
DCS1618M	01395 3		Click 'N Measure software and measuring tip for DCS1800 and DCS1600	
PM003	01370 0		Set of 3 mirrors for DCS1800 and DCS1600: 70°, 90°, 110°	
P400-1	01393 9	1m (3.3 ft.)	Obedient replacement probe for DCS400 w/camera and LEDs	17mm
P400-1X	01394 6	.9m (2.9 ft.)	Obedient probe extension for DCS400	17mm
P400-95	01399 1	1m (3.3 ft.)	Obedient replacement probe for DCS400 w/camera and LEDs	9.5mm
P230-1	01386 1	1m (3.3 ft.)	Obedient replacement probe for DCS200/300, w/camera and LEDs	12mm
P230-1X	01387 8	1m (3.3 ft.)	Obedient probe extension for DCS200/300	12mm
P230-2X	01390 8	2m (6.6 ft.)	Obedient probe extension for DCS200/300	12mm
P230-3X	01391 5	3m (9.8 ft.)	Obedient probe extension for DCS200/300	12mm

Probe Diameters (mm)

●
3.9

●
5.5

●
9.5

●
12

●
17