

Wireless Data Logging Video Borescope



DCS1800

Palm Sized, Totally Portable, Wireless, 2 Piece Borescope System

Features:

WIRELESS TRANSFER

Operate the instrument anywhere without the cable. An image can be sent to a larger screen up to 98' (30m) away.

COMPREHENSIVE APPLICATION MODE

Three different application modes (on console, on large screen, and projected) allow wide application.

COMPLETELY PORTABLE

There is no need for an external light, power or screen. With the palm-sized console you can inspect many applications.

NO SPECIAL SOFTWARE REQUIRED

BRIGHT TFT DISPLAY

(Thin Film Transistor) display.

3 OPERATING MODES:

The wireless DCS1800 includes Hands-Free, One-Handed and Two-Handed modes. You can choose the appropriate mode to meet your needs in different working applications.

TWO HANDS MODE

You need not head up or down in an uncomfortable position when checking some position that is higher or lower than eye level. You can hold the console at a perfect height even when checking the undercarriage of an air-conditioner.

SINGLE HANDED MODE

In some special working environments you need a free hand to remove an obstacle during inspection. Simply place the separable console on a stable platform and manipulate the probe with a single hand.

HANDS-FREE MODE

Console and probe can be set up for hands-free operation.

RAPID IMAGING

Record still images or MPEG 4 compatible streaming video at the touch of a button.

STRONG METAL LENS SLEEVE

High quality metal lens sleeve can withstand high temperatures and provides protection of the lens module.



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Specifications:

CAMERA SYSTEM & INSERT TUBE

Diameter of Insert tube:
0.2" (5.5mm)

Resolution:
325 (H), 250 (V)

Housing:
Steel

Light Source:
White LED

Length:
3.3 ft (1m)

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

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

Water, Oil, and Dust Resistant:
Probe and probe head

Working Temperature:
32° to 131°F (0° to 55°C)

CONSOLE

Dimensions:
5.5" x 1.4" x 1.3"
(139 x 35 x 32mm)

Weight: 7.8oz (220g)

Wireless Transceiver Frequency:
2.4GHz • 4 channels
(2414MHz 2432MHz 2450MHz
2468MHz)

Battery:
Rechargeable Li-Polymer
battery 3.7V

Brightness Control:
Variable

Audio:
Integrated microphone

SYSTEM

System Dimensions:
5.8" x 4.1" x 2.8"
(146.9 x 105.4 x 71mm)

System Weight:
11.8ozs (0.335kg)

Power:
Battery - Rechargeable
Li-Polymer battery 3.7V
Power supply - AC 100-240V 50-60Hz
Power consumption - DC5.5 I.8A

Display:
3.5 TFT LCD QVGA

Recording Medium:
1G SD CARD (up to 2G)

Video Out Format:
NTSC & PAL

Interface: AV Out

Wireless Receiver Frequency:
2.4GHz • 4 channels
(2414MHz, 2432MHz, 2450MHz, 2468MHz)

Compression Format:
Compliant with MPEG4

Still Image Storage Format:
jpeg (640 x 480)

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)

Includes:

- Waterproof Blow Mold Case
- 3.3 ft (1m) Semi-Rigid Probe
- 2 GB SD Ram Memory Card
- A/C Adapter Charger
- Video Cables
- LCD Cleaning Cloth
- Instruction Manual

Optional DCS1800 Probes:

- P1618-1SR**
3.3 ft (1m) Obedient Diam. 5.5mm
- P1618-2SR**
6.6 ft (2m) Obedient Diam. 5.5mm
- P1618-3SR**
9.8 ft (3m) Obedient Diam. 5.5mm
- P1618-1SM**
3.3 ft (1m) . . . Soft Metal Diam. 5.5mm
- P1618-3SM**
9.8 ft (3m) . . . Soft Metal Diam. 5.5mm
- P1618-5SM**
16.4 ft (5m) . . . Soft Metal Diam. 5.5mm
- P1618-10SM**
32.8 ft (10m) . . Soft Metal Diam. 5.5mm
- P1618-30SM**
98.4 ft (30m) . . Soft Metal Diam. 5.5mm



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