

OPTRONICS QUICK REFERENCE GUIDE

PL-C200-236 Mini Video Fiber Inspection Probe

V.1.0

Thank you for purchasing our products. Before assembly and use, make certain that all of the parts you have ordered are present. Check the packaging carefully as some parts are small and can be overlooked. Also, locate any additional parts and accessories you may have purchased. If you are missing any parts, or you are unable to complete the installation of your products, contact your local distributor.

The probe comes with the following:

- User Manual
- PL-C200-236 probe and viewer
- Probe adapter tips: LC/MU, FC, ST, SC
- AC Charger/Adapter
- Desiccant packet
- Plastic case

Safety Information



Warning

To avoid possible eye damage caused by hazard, never look directly into the optical output connectors, unless you understand and meet the required conditions.

To avoid possible fire, electric shock, personal injury, or damage to the Fiber Inspection Probe:

- Do not open the case; no user-serviceable parts are inside.
- Use only the AC Charger/Adapter provided to power the viewer and charge the battery.

Charging the Battery

Charge the battery for about 4 hours before using battery power for the first time. To charge the battery, connect the AC Charger/Adapter. The LED on the AC Charger/Adapter is red during charging and green when charging is complete. A fully-charged battery lasts about 1.5 hours when the viewer is on continuously.

Features and Use

Probe

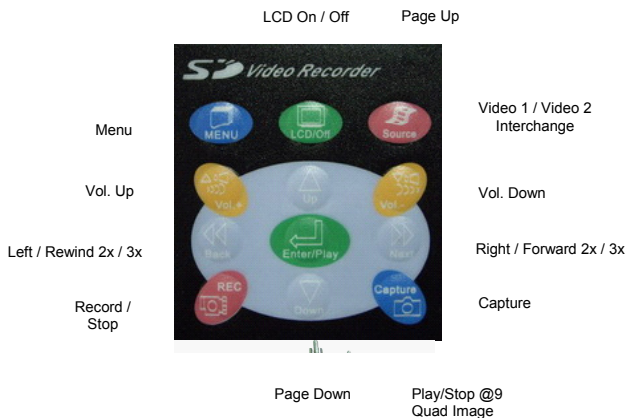


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Viewer Front View (Keypad)



Viewer Up View

SD Card Slot



Keylock

Capture
Lamp

Record
Lamp

Power
Lamp

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Viewer Down View



Power
Lamp

AV Out Jack

Probe In Jack (AV 1)

Probe In Jack (AV 2)

Inspect the end-face of fiber optic

- Screw an adapter tip onto the Fiber Inspection Probe to match the connection you are inspecting. To install an optional adapter tip, unscrew the installed adapter tip, then screw on the optional adapter tip.
- Plug probe connector(4 pin) to AV1 or AV2
- Set the power mode – On.
- Turn the focus control wheel until the image shown on the viewer is clear.

Maintenance

- Clean the LCD display with glass cleaner and a soft, lint-free cloth. Clean the viewer and probe housings with a soft cloth dampened with water or a mild detergent. Do not use solvents or abrasive cleansers.
- Store in the plastic case when not in use.

Replacing the Battery

Replace the Li-ion battery when its life becomes noticeably shorter. To replace the battery, contact your local distributor.

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General Specifications

Video Inspection Probe

Size (L x W x H)	155 x 44 x 40 (in mms)/6 32 x 1 4 x 1 32 (in inches)
Weight	0.164 kg/0.362 lb
Camera type	1/3" CCD
Resolution	Better than 1.1um
Field of view	457um x 342 um
Light source	Blue LED
Lighting technique	Coaxial
Connector	4PIN connector
Focus control	Adjustable in the probe
Optical magnification	200x
Power	From Probe Viewer
LED life	100,000 hours

Probe Viewer

Capacity	External SD Card of Any Size
Image Resolution	Record 320 x 240 MPEG4 Snapshot 320 x 240 JPEG
Video Playback	MPEG-4, Encode and Decode(near DVD quality)
Resolution	up to 640 x 360 @30fps/sec. Real Time (ASF file format)
Photo View	JPEG format 640 x 480(Digital Zoom, NO Image Resolution Loss)
A/V Input	Composite AV input x 2 (4-PIN Connector)
A/V Output	Composite AV output x 1 (Phone Jack 3. 5mm)
Status Indicator	LED x 3 (Power = Orange , Record = Red, Snap = Yellow)
Power Sources	Internal: Rechargeable Li-Ion Battery (3.7V, 950mA)
External:	AC charger/adapter
Power Consumption	Typical 300mA(±5%)
Dimension & Weight	123mm (L) x 75mm (W) x 27mm(H) 190g
Operation Temperature	-10°C ~ 55°C
Displayer	2.36inch LCD

Accessories

A variety of adapter tips are available for viewing specific fiber optic connectors, contact Optronics for a current list of adapter tips.