

Description, Specifications and Standard Equipment

Description

The RIDGID® micro CA-350 Inspection Camera is a powerful handheld digital recording device. It is a complete digital platform that allows you to perform inspections and record pictures and videos in hard to reach areas. Several image manipulation features such as image rotation and digital zoom are built into the system to ensure detailed and accurate visual inspections. The tool has external memory and TV-Out features. Accessories (hook, magnet and mirror) are included to attach to the imager head to provide application flexibility.

Specifications

Recommended Use.....	Indoor
Viewable Distance.....	0.4" (10 mm) to ∞
Display.....	3.5" (90 mm) Color TFT (320 x 240 Resolution)
Camera Head	3/4" (17mm)
Lighting.....	4 Adjustable LEDs
Cable Reach.....	3' (0,9 m), Expand- able to 30' (9 m) with Optional Extensions, Imager and Cable are Waterproof to 10' (3 m), IP67
Photo Format.....	JPEG
Image Resolution	640 x 480
Video Format.....	MP4
Video Resolution	640 x 480
Frame Rate.....	up to 30 FPS
TV-Out.....	PAL/NTSC User selectable
Built-In Memory	235 MB Memory
External Memory	SD™ Card 32 GB max (8 GB supplied)
Data Output.....	USB Data Cable and SD™ Card
Operating Temperature	32 to 113°F (0 to 45°C)
Storage Temperature ...	-4°F to 140°F (-20°C to 60°C)

Power Supply.....12V Li-Ion Battery
 AC Adapter 12V,
 3 Amp
 Weight.....5.5 lbs (2,5 kg)

Standard Equipment

The micro CA-350 Inspection Camera comes with the following items:

- micro CA-350 Handset
- 17 mm Imager
- 3' (90 cm) USB Cable
- 3' (90 cm) RCA Cable with Audio
- Hook, Magnet, Mirror Attachments
- 12 V Li-Ion Battery
- Li-Ion Battery Charger with Cord
- AC Adapter
- Headset Accessory with Microphone
- 8 GB SD™ Card
- Operator's Manual Pack



Figure 1 – micro CA-350 Inspection Camera

Controls



Figure 2 – Controls



Figure 3 – Right Side Port Cover



Figure 4 – Left Side Port Cover

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment OFF and ON, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio/TV technician for help.

Electromagnetic Compatibility (EMC)

The term electromagnetic compatibility is taken to mean the capability of the product to function smoothly in an environment where electromagnetic radiation and electrostatic discharges are present and without causing electromagnetic interference to other equipment.

NOTICE The RIDGID micro CA-350 Inspection Camera conforms to all applicable EMC standards. However, the possibility of it causing interference in other devices cannot be precluded.

Icons

	Battery Life Indicator – Fully charged battery.
	Battery Life Indicator – Less than 25% of battery charge remains.
	SD™ Card – Indicates an SD card has been inserted into the device.
	Still Camera – Indicates device is operating in still camera mode.
	Video Camera – Indicates device is operating in video camera mode.
	Playback Mode – Selecting this icon allows you to view and delete previously saved images and video.
	Menu – Push select on this icon to be taken to the menu screen.
	Select – Pressing select from the live screen will take you to the playback screen.
	Return – Pressing return from the live screen will switch between camera and video. Return will also back out of menu and playback mode.
	LED Brightness – Press right & left arrows to change the LED brightness.
	Zoom – Press up & down arrows to change the zoom from 1.0x to 2.0x.
	Save – Indicates image or video has been saved to memory.
	Trash – Delete confirmation icon.
	Mode – Select between image, video or playback.
	Time Stamp – Select to display or hide date and time on live screen.
	Language – Choose between, English, French, Spanish, German, Dutch, Italian, etc.
	Time and Date – Enter this screen to set time and date.
	TV – Chose between NTSC and PAL to enable TV out video format.
	Update Firmware – Use to update unit with most current software.
	Speaker/Microphone – Turns speaker and microphone ON or OFF during recording and playback.
	Automatic Power Off – Device will automatically shut down after 5, 15 or 60 minutes of inactivity.
	Factory Reset – Restore factory defaults.
	About – Displays software version.

Tool Assembly

WARNING

To reduce the risk of serious injury during use, follow these procedures for proper assembly.