

PH7 series

7" Controller



Photograph



Video



Playback



Brightness Control



USB 1.1/2.0



Support Stand



Rechargeable



SD Card



Zoom In/Out



Wireless



Microphone Speaker

MEGA Controller with 7" (180mm) large high resolution TFT display and rugged handheld design.

- ▶ 7" (180mm) color LCD TFT display with high definition 720 x 480 pixel resolution (640 x 480 pixel in storage).
- ▶ Brightness adjustment of LED lamps for illuminating viewed object.
- ▶ Digital zoom in/ out, photo comparison and image rotation.
- ▶ AV output for viewing images/video on a monitor.

- ▶ Video and images can be transferred to a PC via the SD card or USB output.
- ▶ SD card storage capacity up to 32GB.
- ▶ Record voice-over audio in video recording mode.
- ▶ Snap-shot while recording/ replaying.
- ▶ Equipped with screen protection cover, waterproof and dust-proof of IP67.
- ▶ Rugged two handheld design and left / right hand control; standup support and tripod mount facility.
- ▶ On-screen menus support 26 languages
- ▶ Built-in rechargeable Li-ion battery can last up to 8 hours
- ▶ Ideal for industrial maintenance, aircraft inspection, construction inspection, vehicle service and HVAC repair, etc.

Applications



Piping inspections



Aerospace



Marine



Plumbing



Electrical



Construction



Optional Cameras

Item No.	Camera	Length	Resolution	AWB Auto White Balance	Power supply	Video Format	Field of View	Depth of Field	LED numbers	Luminous Intensity	Brightness Control	LED type	LED Output
S20	20 mm	195mm	712(H)*552(V)	Automatic	DC3.9V	NTSC	127°	5cm~60cm	10 (3Ø)	3Ø:3500 mcd(typ)	Manual	3ØLED	6000LUX at 20mm
S25	25 mm	197mm	640(H)*480(V) 307200px	Automatic	DC 3.7 V	NTSC	73°	5cm~60cm	12(3Ø)	3Ø:3500 mcd(typ)	Manual	3ØLED	7300LUX at 20mm
S28	28 mm	205mm	640(H)*480(V) 307200px	Automatic	DC 3 V~4.2 V	NTSC	107°	5cm~60cm	8(3Ø)+4(5Ø)	3Ø:3500 mcd(typ)	Manual	3ØLED + 5ØLED	7800LUX at 20mm
S30	30 mm	230mm	640(H)*480(V) 307200px	Automatic	DC 3.7 V	NTSC	80°	5cm~60cm	12	1200mcd (min)	Manual	0201 package LED	8500LUX at 20mm

Optional Cameras

Item No.	Camera	Image Sensor	LED life	Operating Temperature	Storage Temperature	Waterproof level
S20	20 mm	1/4" color CMOS	10000 hours	-20° to 70° (-4° to 158°F)	-20° to 70° (-4° to 158°F)	IP67 (Insertion tube and tip)
S25	25 mm	1/4" color CMOS	10000 hours	-20° to 70° (-4° to 158°F)	-20° to 70° (-4° to 158°F)	IP67 (Insertion tube and tip)
S28	28 mm	1/4" color CMOS	10000 hours	-20° to 70° (-4° to 158°F)	-20° to 70° (-4° to 158°F)	IP67 (Insertion tube and tip)
S30	30 mm	1/4" color CMOS	10000 hours	-20° to 70° (-4° to 158°F)	-20° to 70° (-4° to 158°F)	IP67 (Insertion tube and tip)

Other Accessories are also available, please contact us for more product information

Specifications

Controller

Power	DC5V
Display	LCD Panel Resolution 720 X 480 Pixels
Interface	Mini USB 1.1 / 2.0AV out
Battery(not user serviceable)	Rechargeable Li-Ion Polymer Battery (7500mAh)
Power adapter	100 - 240V AC in / 5V DC out
Video Out Format	NTSC & PAL
Compression Format	MPEG4 / ASF
Dimension	260 x 160 x 70mm
Net Weight	1.3 Kg
Video Recording Format	MPEG4 / ASF (640 X 480)
Working & Storage/Battery charging temperature range	-10 °C to 60 °C / 0 to 40 °C
Functions:	Snapshot, Video recording, Audio recording, Picture & videoreview on LCD screen, TV Out, transfer of picture&video from SD card to PC Digital Zoom, Recording, Wireless Inspection System (optional)

Camera Ø 20mm



Camera Ø 25mm



Camera Ø 28mm



Camera Ø 30mm



Camera Ø 20mm

- ▶ Good for plumbing inspection
- ▶ Capable of passing through right angle narrow pipes, e.g. Ø40mm
- ▶ Detachable pogo pin design for easy changing cameras
- ▶ Durable stainless steel head design and optional sapphire protection lens

Camera Ø 25mm

- ▶ Most common camera for plumbing inspection.
- ▶ Sphere head design for easy pipe passing.
- ▶ Detachable pogo pin design for easy changing cameras.
- ▶ Capable of equipping transmitter for matching locator.
- ▶ Durable stainless steel head design and optional sapphire protection lens.

Camera Ø 28mm

- ▶ Popular camera for plumbing inspection.
- ▶ Sphere head design for easy pipe passing.
- ▶ Detachable pogo pin design for easy changing cameras.
- ▶ Capable of equipping transmitter for matching locator.
- ▶ Durable stainless steel head design and optional sapphire protection lens.

Camera Ø 30mm

- ▶ Possibly highest specification for plumbing inspection.
- ▶ Capable of equipping self-levelling device.
- ▶ Detachable pogo pin design for easy changing cameras.
- ▶ Capable of equipping transmitter for matching locator.
- ▶ Durable stainless steel head design and optional sapphire protection lens.

Type A

Handheld Style (Lite)



Type B

Handheld Style (Deluxe)



Type C

Flat Style



Cable Reels

Type D

Standing Style



Standard package

- ▶ 7" (180mm) color LCD TFT Controller
- ▶ Power adapter
- ▶ AV composite cable
- ▶ USB cable
- ▶ SD card
- ▶ Cleaning kit
- ▶ Manual
- ▶ Robust carrying case



360°

Articulating

Joystick Controlled Articulation



Excellent experience of steering - 360°.



Superior portability & ruggedness.



Steering to hard to - reach areas.

Insertion Tube

Diameter	5.5mm
Cable lengths	1.5m
Cable material	Flexible
Resolution	640 X 480 pixels (VGA)
Focus	SF 2~6 cm / LF 6 cm above
Field of view	65°
Light	LED ring
Articulating	Joystick, 360° all-direction
Turning Angle	120°



Ergonomic design

PARAMETERS

Features	Description
LCD	7" LCD / 720 x 480 pixels
Video Recording	640 x 480
Snapshot	640 x 480
Function	Snap-shot while recording/replaying.
Video Recording Format	MPEG4 / ASF (640 X 480)
Power Supply	100V – 240V AC in / 5V DC out
Battery	Rechargeable Li-Polymer Battery
Battery lasting time	8Hrs (battery status in display)
Operating Temperature	0 ~ 40 °C
Storage Temperature	-10 ~ 60 °C
Dimensions	260 x 160 x 70 (mm)
Weight	1.3 kg

Model	Display	Tip Dia.	Length	Articulation	Camera Res.
PH7-60024	7"	Ø6mm	1.5M	360°(4Way)	720 x 480
PH7-60034	7"	Ø6mm	3M	360°(4Way)	720 x 480



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