

Video Inspection System

Model: KC-160A

User's Manual



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Introduction

KC-160A video inspection system has been designed as a user friendly and economical way of solving hidden problems and increasing productivity. (e.g. inspect HVAC system, mechanical equipments and engines).

The product has a high clarity 3.5" diagonal color LCD. It uses interchangeable probes and can be connected to probes with different length and diameter (units comes with a standard 12mm probe, customized camera head and probe also available). The adjustable LED lights set around the camera head help the user to see inside dark gaps and holes. Several accessories can be equipped on the tip of the probe, making it more flexible and adaptive. The accessories of 12mm camera probe are magnetic tip, hook tip and mirror tip.

KC-160A has a TV-out interface to transmit real time images to a TV screen. It is capable of image zooming and image rotation. This model has the advantages of portability, high clarity images, stable performance and easy operation. It is widely used in applications such as the industry, building, aviation, vehicles maintenance, mining and archaeology.

Specifications

Product name	Video Inspection System	
Model	KC-160A	
Recommended usage	Indoor	
Field of View	60 degrees	
Focal length	12mm standard	50mm and 50cm for your choice
	9mm optional	50mm
	5.5mm optional	10mm
Outer diameter of lens	Standard camera lens	12mm (Magnetic tip, Hook tip, Mirror tip included)
	Optional camera lens	9mm (Hook tip, Mirror, Magnet, Thread protector)
		5.5mm (Mirror, Ball guide, Thread protector)

Probe length	12mm lens	1m/2m/3m or customized (max length 5m including extension)
	9mm lens	1m/2m/3m or customized (max length 5m including extension)
	5.5mm lens	1m/2m/3m or customized (max length 15m including extension)
Extension for choice		1m, 2m, 3m
Image display		3.5" TFT/LCD
Image resolution		640×480 pixels
LCD resolution		320×240 pixels
Image rotation		180°
Image zooming		1.0~2.0x
TV output format		NTSC
Protection level	Probe and camera	IP67
	Main body	IP54
Light source		Ultra brightness LED
Accessory		TV cable
Power supply		4 AA alkaline or rechargeable batteries (LR6 or KR6)
Battery continuous working time		>3 hours
Working temperature		0°C~45°C
Working humidity		5%~95%RH non-condensing
Storage		-20°C~+60°C, ≤85% (w/o batteries)
Dimension		266mm×95mm×66mm
Weight		About 236g (w/o batteries and probe)