



## A single CCD endoscopy camera with HD option



\*Optical coupler is optional, the camera head has a standard C-mount interface.

The endoscopy camera 1156 is a low-cost ultra-high sensitive endoscopy camera. With the latest CCD technology, the 1156 camera provides two times higher sensitivity compared to conventional CCD cameras. This substantially reduces the requirements to the light source. The camera incorporates a 10bit digital image processor which offers superior colour rendition and high dynamic range. With high definition digital output option, image quality is improved due to no signal loss on digital connection. The excellent price-benefit ratio makes the 1156 an ideal camera for micro endoscopic surgery and diagnostic endoscopic procedures.

## **KEY FEATURES:**

1/3" CCD high sensitivity image

Six types of endoscopy settings

Freeze function

2.5 x digital zoom

Mirror and flip function

Rotation function

Digital anti-Moiré function for using with a flexible endoscope

Illuminated control buttons on the front panel

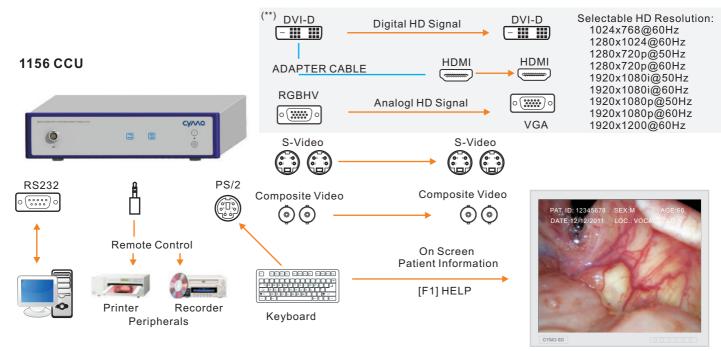
Programmable control buttons on the camera head

High Definition output option, maximal resolution 1920x1200

Patient information via an external keyboard

www.cymo.nl 1156.508.P01

## Camera Control Unit (CCU) Outputs:



<sup>\*\*</sup>These outputs are optional, not included in the standard configuration.

## **TECHNICAL DATA**

		CAMERA HEAD			
Video system	PAL/NTSC	Dimensions (Dia x L)		30 × 32 x 74 mm	
Image sensor	1/3" CCD	Weight		80 g	
Scanning system	Interlaced	Lens connection		C-mount	
Output pixels	752 x 582/768 x 494	Cable length		3 meters	
		Sterilization		Soakable, IPX7	
Resolution	> 500TV Lines ≥ 54dB	Control buttons		3	
Signal-to-noise ratio	•	CONTROL UNIT			
White balance	Auto (push button)	Dimensions (W×H×D)		325 × 74 × 365 mm	
Gain	Auto / OFF / Preset	Weight		5.1 kg	
Minimum illumination	0.1 lux	Protection class		IP20	
Endoscopic scene files	6	Line voltage		100-240VAC @ 50-60 Hz	
Frame rate	50Hz / 60Hz	Fuse		2 × T 1.0 A E / 250V (IEC 127)	
Output signal	2 x S-Video 2 x Composite Video	Power tested acc. to		UL2601-1, EN60601-1, IEC601-1-2	
Advanced settings	On Screen Display (OSD) Menu Patient Information (by external keyboard via PS/2 connector) RS232 (on request)	ORDERING DATA			
		1156.08.01	1156 Cam	1156 Camera Control Unit (PAL)	
		1156.08.02	1156 Camera Head (PAL)		
Environment	0°C - +40°C temperature less than 90% relative humidity	1156.09.01	1156 Cam	nera Control Unit (NTSC)	
		1156.09.02 1156 Ca		mera Head (NTSC)	
Classification	Class I BF				

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

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