



LCA-7700 series Underwater color cameras

Customers across the United States, Canada and Europe are praising the LCA-7700 series cameras.

Customer applications include:

- NASA laboratory research
- Nuclear utility inspections
- University & High School ROV projects
- Oceanographic research
- Global warming research
- Scuba diving observation
- Quality control for manufacturing
- Machine operation observation
- Personnel safety observation

LCA-7700-C \$425⁰⁰

LCA-7700-CW \$495⁰⁰

7705-CW-23 \$695⁰⁰

7705-CW-25 \$760⁰⁰

The LCA-7700 series cameras are receiving rave reviews from customers. The high quality imaging and versatility add value to this low-cost underwater color camera.

The creativity of our customers continue to expand the uses of the LCA-7700 series cameras. Quality and versatility provide a wide range of cost effective uses and applications. Used for oceanographic research, nuclear reactor inspections, scuba diving and high school ROV projects, these cameras deliver quality results.

Each camera comes with everything needed except the monitor... and we can provide that if you need one. The LCA-7700 series cameras include a 100 foot nondetachable cable and a 120VAC to 12V DC regulated power supply.



Quality and customer service. We want your experience to be so good that you will tell your friends, neighbors and associates about us!

LCA-7700 Series Underwater Color Cameras - Specifications

ELECTRICAL

	LCA-7700-C & LCA-7700-CW	7705-CW-23 & 7705-CW-25
Horizontal Resolution:	380 TV lines - NTSC	520 TV lines - NTSC
Faceplate Sensitivity:	0.03 lux at F2.0	0.03 lux at F2.0
Sensor Type:	1/3" SuperHAD Color CCD	1/3" Sony SuperHAD Color CCD
Signal to Noise:	More than 50 dB	More than 50 dB
Power Input with LEDs on:	9-15 VDC, 300mA	9-15 VDC, 300mA
Picture Element:	260,000 pixels	380,000 pixels
Scanning:	525 line / 60 Hz - NTSC 625 line / 50 Hz - PAL	525 line / 60 Hz - NTSC 625 line / 50 Hz - PAL
Video Output:	Composite, 1.0V p-p into 75 ohm Balanced video output	Composite, 1.0V p-p into 75 ohm Balanced video output
Internal Lighting:	6 infrared LED (LCA-7700-C) 6 white LED (LCA-7700-CW)	6 white LED (7705-CW-23) 6 white LED (7705-CW-25)

OPTICAL

Focus Control:	Fixed, 2.9 in. (75 mm) to infinity	Fixed, 2.9 in. (75 mm) to infinity
Lens:	3.6 mm (other lenses available)	3.6 mm (other lenses available)
Field of Vision:	92° diagonal in air 54° diagonal in water	92° diagonal in air 54° diagonal in water

MECHANICAL

Housing:	Powder Coated Brass	Powder Coated Brass
Length:	3.35 in. (85 mm)	3.35 in. (85 mm)
Diameter:	1.466 in. (37 mm)	1.466 in. (37 mm)
Cable:	Neoprene	Neoprene
Standard Length:	100 ft.	100 ft. (CW-23) 150 ft. (CW-25)
Diameter:	.2 in. (5 mm)	.2 in. (5 mm)
Camera Weight	1 lb. 1 oz. (.49 kg)	1 lb. 1 oz. (.49 kg)
Weight with 100' cable	4.5 lbs. (2.04 kg)	4.5 lbs. (2.04 kg) (CW-23) 5.2 lbs. (2.36 kg) (CW-25)

ENVIRONMENTAL

Operating Temperature	14° to 122° F - RH 95% max -10° to +50° C - RH 95% max	14° to 122° F - RH 95% max -10° to +50° C - RH 95% max
Submersion Depth	200 ft. (66 meters)	200 ft. (66 meters)



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