



SMARTRUCK

HD

P/N: CA028

Compact HD Color Camera

w/ replaceable glass

Product Specification - The high-performance **SmarTruck HD** Part No CA028 compact camera is equipped with a high-resolution 1/3" CMOS imaging sensor that delivers a 520 TV lines resolution and an ultra-wide 120° diagonal field-of-view. This camera is unique in that it has been designed for those applications where the camera lens glass may become etched or damaged by liquid splatter and caustic materials. An easily replaceable lens porthole glass (CA029) may be replaced by removing a retainer ring with 4 screws. It is also weatherproof with an IP69K rating and is designed to be reliable in all camera applications with a heavy-duty die-cast housing. Stainless steel bracket and sunshield included.



Camera Features

- Compact size HD Camera
- 1/3" Color CCD Sensor
- High-resolution 520K picture elements
- Wide Viewing Angle (120° Diagonal)
- Anodized and Power –Coated Aluminum Housing
- Double Window Glasses and Replaceable Outer Glass
- Heat-Treated Outer Camera Lens Porthole Glass
- Stainless Steel Mounting Bracket and Sunshield
- Built-In Temperature Controlled Heater for Low Temp Conditions (min. 0°C/32°F)
- Vibration-Resisted Design
- Waterproof (IP69K)
- Optional Rain-Protected Microphone

Part Number	CA028
Camera IP Rating	IP69K
Operating Temperature	-40°C ~ 65°C (-40°F ~ 149°F)
Auto Heater	YES (auto-on at 0°C/32°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Test Standard/Shock/ Vibration	ISO 16750-3 4. 1. 3. 2. 3.
DC Power Source	DC9V ~ 15V
Power Consumption	3W (Max)
Current	250mA (Max)
Imaging Device	Sharp 1/3.2" interline transfer CCD
TV System	NTSC
Effective Pixels	720(H) x 480(V)
Sync. System	Internal
Scanning System	2:1 Interlace
S/N Ratio	More than 45 dB (AGC OFF)
Auto Electronic Shutter	1/60 ~ 1/67,500 sec.
Min. Illumination	0 Lux (F2.0)
Automatic Gain Control	ON
Frequency Horizontal	NTSC: 15.734 KHz
Frequency Vertical	NTSC: 59.94 Hz
Lense Mount Type	2.9mm F2.0
Viewing Angle	H: 96° V: 72° Diagonal: 120°
Dimension	65(W) x 69(H) x 56(D)mm
Video Output	Composite 1.0 (Vp-p)/75 ohm
Interface Cable Length	39 inches
Cable Connector	6PminiDIN Male (Threaded)
Casing Material	Die Cast Aluminum
Approved Standards	FCC, e-Mark

Product specifications subject to change on 60-day notice.