

ELECTRONIC COOLED CCTV CAMERA WITH FIXED LENS.

FEATURES AND BENEFITS



Peltier cooling device inside

Model COOLCAM-001

With infra-red cut filter blocking heat radiation from Furnace.

- No need of process cooling water or air resulting in large reduction of operation cost on year base.
- Up to 80°Celsius ambient temperature. Accept direct line up to furnace window of 450°Celsius at close distance of 25cm of window.
- Built in high-resolution colour camera 600TV lines with interchangeable lens allowing different angle of views.
- Provided with mounting bracket.
- Including "HOT ALARM" contact closing at 50°Celsius.
- Four- (4) meter connection cable protected with silicon Teflon heat resistant cover

The model COOLCAM-001 is an electronic (based on "Peltier" element) cooled camera with fixed lens designed to operate in high temperature environments, i.e. foundries, ovens etc. The housing is provided with an aluminium front protection shield in order to withstand open direct flames for a short time in case of a broken furnace window happens. Remote programmable using SPC-300 (Optionally see below).

Specifications.

Electronic cooled housing

Construction : massive black aluminium heat-sink with stainless steel front in order to protect camera against direct flames.
 Cable connection : fixed heat resistant cable 4 meter long with heavy duty multi-connector.
 Mounting : By use of included adjustable swivel mount bracket.
 Max .ambient temp. : 80°C continuously as follows:
 - At 80°C ambient temperature, camera inside temperature = 39°C.
 - At 60°C ambient temperature, camera inside temperature = 25°C.
 Protection : IP61
 Dimensions (DxWxH): 280x135x195mm. (Excluding swivel mount)
 Power : 24VDC at 2A
 Shipping weight : 4Kg.

Camera with lens (Built inside COOLCAM-01 housing)

Min.scene illuminat. : 0,051 Lux (50IRE @ F:1.2) at day mode and 0,0001 Lux (F:1.2) at night sense-up mode.

CCD image sensor : 1/3 " Sony Super HAD CCD 11 and 752Hx582V.

Resolution : 600TV lines (Colour mode), 700TV lines (B&W mode)

Settings : OSD menu settings (9 languages) using joystick at back of camera or use SPC-300:

- Shutter, White balance, Back light function
- SDDR (illuminates darker parts of the image while retaining the same light level for the brighter spots.)
- SSNR3 Signal noise reduction during low luminance
- Day/Night switch and delay, Camera title
- Motion detection in 8 different areas. During detection, "Motion detected" appears on the monitor

Use option SPC-300 for remote final adjustments

Lens : Standard 2,8mm (equal to 90° horizontal view.) Optionally 3,6mm, 6mm, 8mm and a varifocal 2,6 to 6mm. Please specify when ordering.

Video output : Twisted pair video wired up to the field multi-connector. Maximum 400 meter using CAT-5 cable. Converter from twisted pair video to coax (for connection to monitor), included in the shipment. Or coax 75 Ohm output. Specify when ordering.