

HIGH TEMPERATURE CAMERA

sondatec^{tec} high temperature camera housing

Air cooled high temperature vision systems



SON01X3H00

SONDATEC 2.0

Operational description

SONDATEC housing series have been developed to allow the use of television camera in high temperature environments, as glass process, cement industry, iron&steel plant and boiler. These high-temperature camera systems provide clear, crisp images of the combustion process in boilers, furnaces, kilns, incinerators and other combustion chambers. With the real-time image provided, operators and engineers can monitor the proper flow of fuel and raw materials, reduce emissions, reduce fuel consumption, speed up boiler light off, and improve safety.

SONDATEC H series is especially designed for high dust environments up to 90°C and it is suitable to contain CAMTEC H cameras, model CAM12X3H-N.

SONDATEC H housing is 350mm long, with diameter 89mm available for the new release 2.0. It is typically endowed with axial vision and it can allow diagonal angles of vision up to 105°.

Depending on the behaviour of the chemicals involved in the process, SONDATEC camera housing should be made by special stainless steels, high-resistance alloys or by using superficial protections.

SONDATEC housings are "pressurised": an integral compressed air system supplies clean air (or appropriate gas) for cooling and particulate removal from the lens. In such a way the lens doesn't require any expensive protection glass, crystal and protection porthole. A constant supply of clean air is essential for proper camera operation and protection: GFATEC series represent an effective filtration system able to remove contaminants and to provide high quality clean air in industrial environments.



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Technical specification

Dimensions

Diameter:	101.6 mm
Length:	350 mm (other on request)
Angle of vision:	axial, max horizontal 105°
Camera:	IP Megapixel CAMTEC series

Air for cooling and cleaning lens

Connection:	3/8" M BSPP (other on request)
Temperature IN:	35°C max
Consumption:	around 3 Nm ³ /h (3*)
Pressure entry:	from 1 bar to 3 bar, maximum 4 bar (3*)
Quality:	Instrumental Air ISO 8573-1 Classe 1.2.1

Accessories

SON01F___	Wall furnace mounting flange adaptor
JBX___	Junction box
GFA13X___	Compressed air filter unit with pressure regulator and manometer

Correlated products

CAM12X3H_N	IP industrial video camera
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Notes

(3*) Data are indicative and depend of process' temperature and application. For more information, please contact our engineers.

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Specifications may be subject to change for improvement without prior notice.



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