

## Furnace Monitoring Camera DESA-104



**Product SKU:** 5102-100002

Angle view	0°/45° degrees
Dimensions:	L1290xW360xH360 mm
Weight:	40 kg
IP-Class:	65
Ambient temp:	-10 to +45°C
Environment temp up to:	1400°C

### [ DESCRIPTION ]

Clean Combustion's furnace camera DESA-104 is a Dual Eye, Straight directed and Angled HD-camera, allowing operators a visual sight of both the flame and flame bed and improved insight of the combustion process. The Camera Eye is mounted at the tip of the lance, facing forward toward the flame. The shape and behavior of the flame gives valuable information to the operators. Flame monitoring is essential to achieve maximum combustion efficiency and is recommended in all installations of boiler stations.

The system features water-cooling and supporting air flow to keep dust off of the lens. A thermometer connected to a pneumatic rig will extract the camera if cooling is insufficient. If the water supply stops the system automatically ejects the camera from the kiln. The consumption of cooling water can be optimized so that if the camera is ejected an additional water cooling valve connected to the camera water supply will close.

### [ TECHNICAL SPECIFICATION ]

#### Input

- 1x 220V Electricity (EU Plug)
- 1x Cooling Water Input 3/4" (Inner Thread, connected to filtered Water Supply, 8 lit/min)
- 1x Air Buffer Flow Input 3/4" (Inner Thread, connected to filtered Instrument air, 6 bar)

#### Output

- 1x BNC Connectors (Female)
- 1x Cooling-Water Output 3/4" (Inner Thread)

#### Other Specifications

- Lance dimension: 104mm
- Filtered air connection: >3 bar(g), <10 bar(g)
- Cooling Water: 8 lit/min
- Water consumption: 1 l/min
- Power connection: 240V 50Hz
- Operating voltage: 230V AC
- Control signal: 4-20A
- Available in left or right model version



*Clean Combustion Technology Sweden AB, develops dynamic industrial combustion technologies and systems to improve efficiency and lower emissions. Learn more about our Dynamic Performance Concept at [www.cleancombustion.se](http://www.cleancombustion.se)*

#### Address

Clean Combustion Technologies Sweden AB  
Örsätter Industrigallerian  
SE-597 94 Åtvidaberg, Sweden

#### Phone

+46 120 77 23 40

#### E-mail

[info@cleancombustion.se](mailto:info@cleancombustion.se)

#### Web

[www.cleancombustion.se](http://www.cleancombustion.se)

#### Corporate Identity

559027-1077  
Registered Office  
Åtvidaberg, Sweden