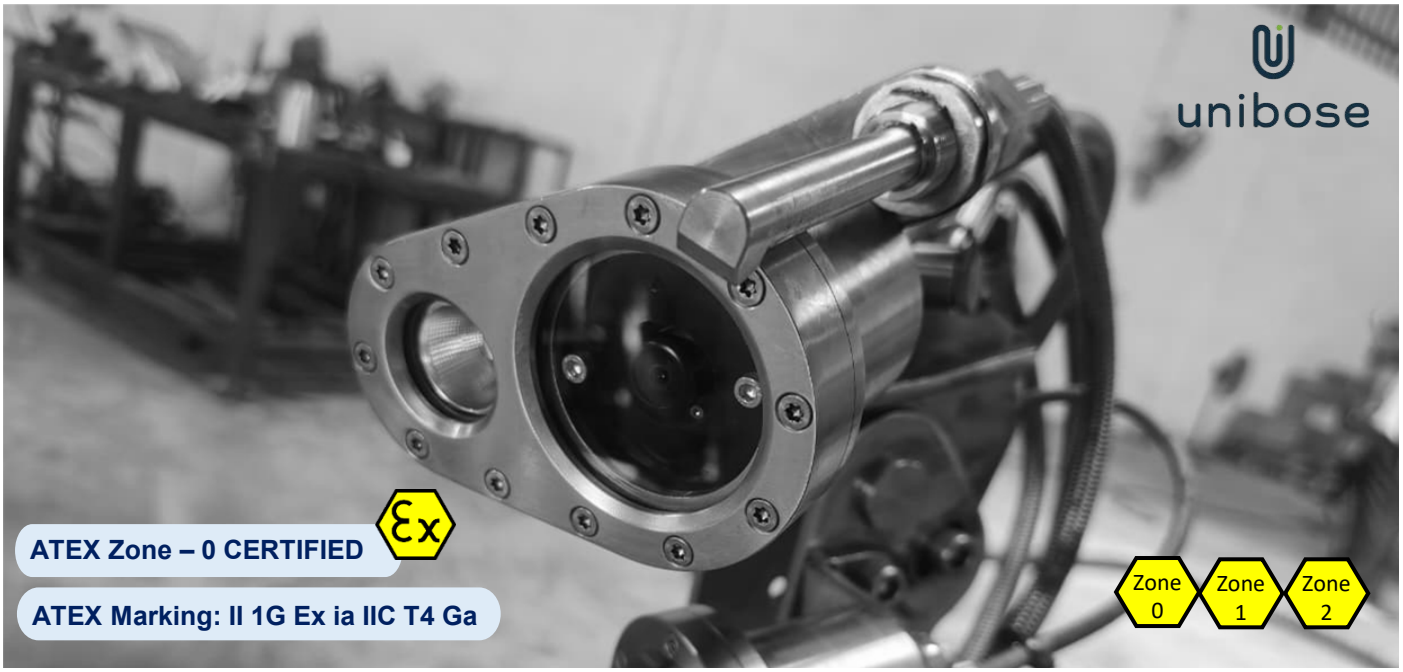


The ATEX-UCAM is an intrinsically safe CCTV camera engineered for real-time video monitoring in ATEX Zone 0 hazardous environments with continuous presence of flammable liquids or vapors. Certified for wide operating temperature (-20°C to +60°C), it is ideal for critical inspection tasks in oil and gas, chemical, petrochemical, pharmaceutical, waste management and offshore operations. The system monitors interiors of pipelines, tanks, silos, reactors, wagons and other hazardous zones.

Housed in a robust Stainless Steel SS 316/SS 316L cylindrical enclosure with a toughened glass window. The system features a PAL camera (640H x 480V resolution) and integrated LED lighting in a separate optical compartment to eliminate diffraction from oil or sludge, ensuring clear visuals in low-visibility conditions.

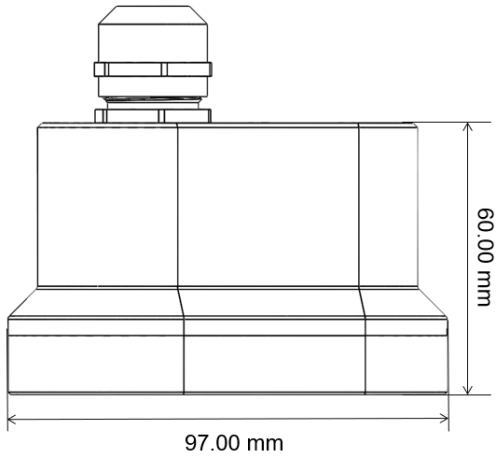
- **ATEX Zone 0 Certified.**
- **Wide Operating Temperature -20°C to 60°C.**
- **Suitable of Hydrogen Rich Environment**
- **Integrated LED Lighting.**
- **Maximum distance 100 m.**
- **High ingress protection IP68.**
- **Fixed & Mobile Applications.**
- **Cable Reel Compatibility.**
- **Versatile Deployment.**

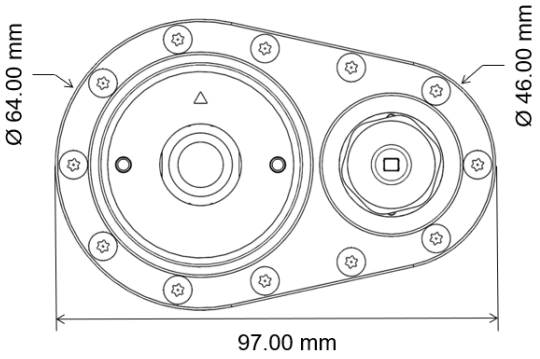


Technical Specifications:

Camera:

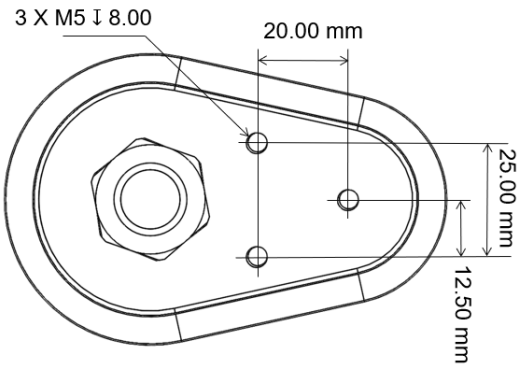
Ambient Temp.	:	-20˚C to +60˚C
ATEX Marking	:	II 1G Ex ia IIC T4 Ga
Certificate No.	:	TUV CY 24 ATEX 0207053 X
Shutter type	:	Rolling shutter 50fps
VGA Resolution	:	640 x 480
Responsivity	:	16.5 V/lux−s at 550 nm
LED Luminance	:	62 lumens (cool white)
Enclosure Material	:	Stainless steel (SS316)
Ingress protection	:	IP68
Output Connection	:	6 Pin Connector

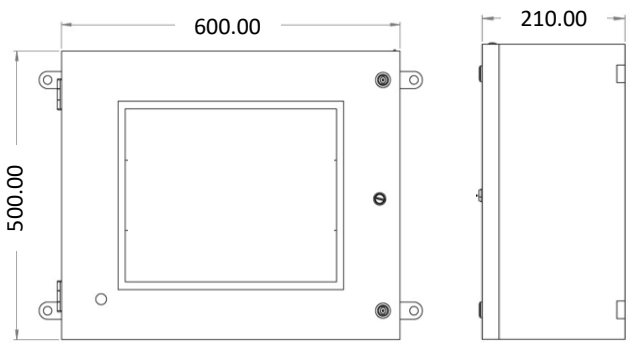




Cable Lengths:

Cable Length - 1	**:**	50 m
Cable Length - 2	:	75 m
Cable Length - 3	:	100 m





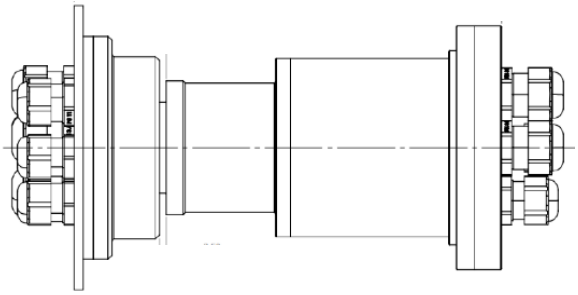
Display with Control Unit *:

Dimension**	**:**	500 x 600mm
Ambient temperature	:	-20˚C to +60˚C
Supply voltage	:	230V/ 110V AC
Display Unit	:	19”
Installation	:	Safe Zone

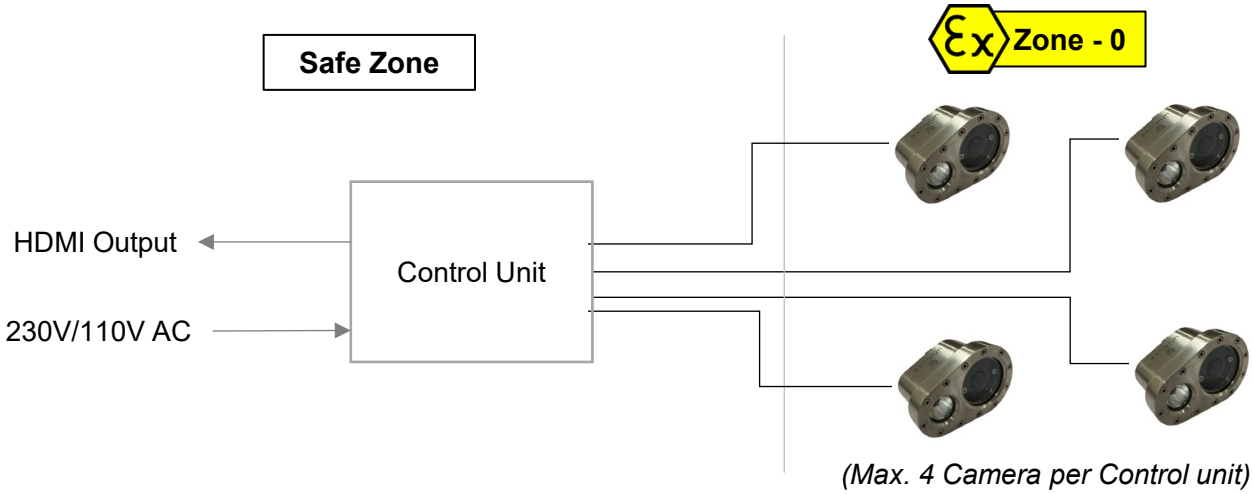
** Shall be customized for Zone 1/ Zone 2*
*** Shall be customized as per requirement.*

Slipring (Optional):

Ingress Protection	:	IP 65
No. of Circuits	:	12/24
Max. Rotating Speed	:	30 rpm
Enclosure Material	:	SS 316/ SS 304

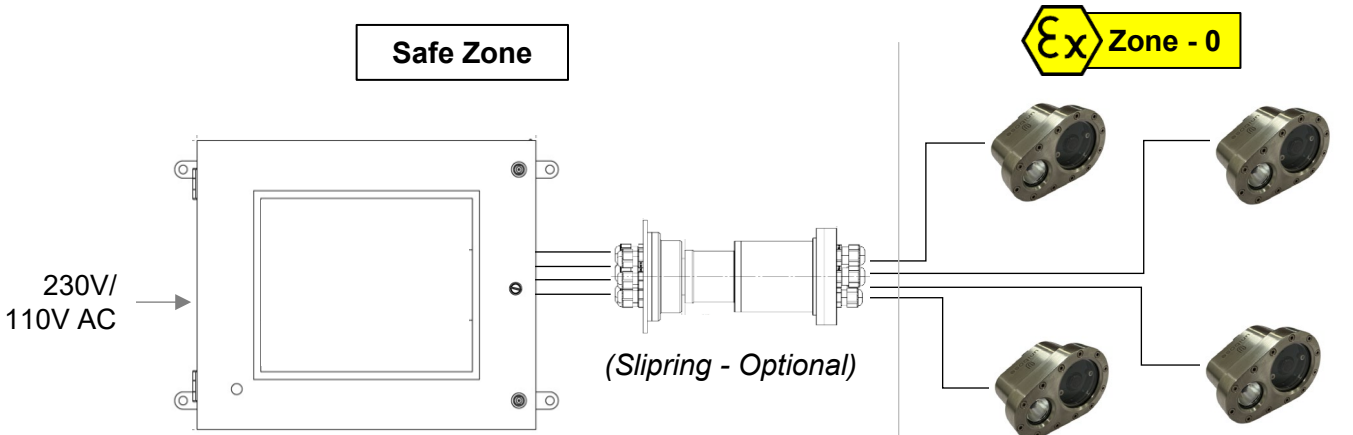


Installations (Option – 1 Standard Control Unit):



(Max. 4 Camera per Control unit)

Installations (Option – 2):



(Integrated Control Unit with display - Optional)

(Max. 4 Camera per Display Unit)

Unibose Technology Private Limited

No 33, SIDCO Industrial Estate, CMDA Phase 2,
Maraimalai Nagar, Chenglapattu - 603209.
Tamilnadu, India.

Phone: +91 9819741402
Email: contact@unibose.com
Website: www.unibose.com