IRIS

IRIS-EX106 / EX4106
Explosion Proof Stainless Steel PTZ Camera
Analogue / IP Versions

Mini PTZ Dome Anti-Corrosion Camera
SS316-IP67-1080P-IP-12X Zoom
Power Input: DC12V/PoE
Production Date: 09/2021

IRIS CE Ex

Key Features

- Available in Analogue/AHD & IP Formats
- 1920 x 1080P HD Resolution
- Manufactured from 316L Stainless Steel
- Explosion Proof
- Water Proof IP68
- ExMark ExIICT6Gb / ExtDA21
- ONVIF Profile S (EX4106 Model)
- Low Power 12VDC or Optional PoE
- RS485 Serial Data Control (EX106 Model)
- Built In LED Illumination - 40m Range
- 12x Optical Zoom Lens

Applications

- Engine Room & Deck Monitoring
- Petrochemical Industries
- Drilling Platforms
- Deck & Harardous Equipment Monitoring
- Miltary & Emergency Service Applications
- Offshore Vessel Surveillance

The IRIS-EX series PTZ camera, available in analogue hi-def formats (EX106) and IP format (EX4106) is a high definition, explosion proof, rugged PTZ camera specially designed for hazardous applications such as engine room monitoring, deck monitoring, chemical, petroleum, oil depot, drilling platform and other offshore vessel monitoring.

The camera body is manufactured from marine grade 316L stainless steel and is therefore not only extremely rugged, but also corossion proof. Explosion proof junction boxes and cable hoses are also available to provide complete protection.
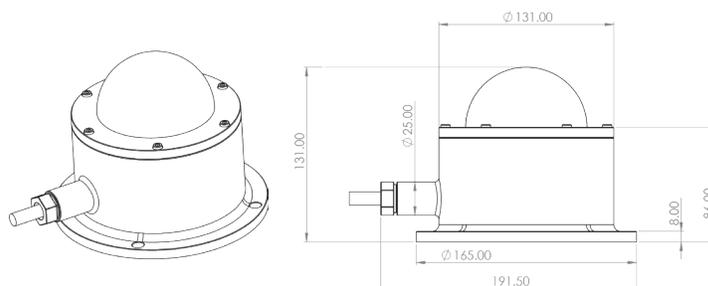
The camera is designed to be used in flammable and explosive hazardous areas (iia, iib, iic flammable gas) and the temperature group rating is Zone 1 and Zone 2 of the T1~T6 group as well as Zones 20, 21 and 22 condustible dust mixture ratings.

The camera is powered by 12VDC as standard and PoE is available as an option (EX4106 version), supports multible compression rates, bitrates, streaming protocols and browsers.

The EX106 outputs composite video (CVBS - PAL / NTSC), and HD-TVI, HD-CVI, AHD video formats, and is controlled by RS485 Serial Data.

Ø 131.00

Ø 25.00

131.00

8.00

86.00

Ø 165.00

191.50

Specifications:	EX106	EX4106
Image Sensor	1/2.8" 2MP Progressive Scan CMOS	
Video Signal	CVBS: PAL / NTSC / AHD / HD-TVI /HD-CVI	NA
Min Illumination	Colour 0.05 Lux @ F1.2 AGC ON, 0 Lux with IR Operation	
Shutter Speed	1/25s to 1/100,000s	
Lens	5 ~ 60mm Motorised Lens	
Day / Night Operation	IR Cut Filter with Auto Switch (Photo Diode)	
Image Enhancement	BLC / 3D DNR / D-WDR	
Motion Detection	Supported	
Privacy Protection	Supported (4 user definable areas)	
Environmental Rating	IP68	
IR Switching / Wavelength / Range	0.5 ~ 3 Lux / 850nm / 60m	
Pan / Tilt Range & Speed	Pan: 0 ~ 355˚ @ 40˚/sec Tilt: 0 ~ 90˚ @ 40˚/sec	
Video Compression	NA	H.265+ / H.265 / H.264 / MJPEG
Video Bit Rate	NA	32Kbps ~ 12Mbps (CBR / VBR Selectable)
Audio Compression	G.711U	
Dual Streams	Yes	
Max. Image Resolution	AHD / HD-TVI / HD-CVI 1920*1080P(2MP)	1920*1080P
Frame Rate	50 / 60Hz	50/60Hz: Max 1920*1080 / 1280*960 / 1280*720 @ 25fps
Sub Stream	NA	50/60Hz: Max 704*576 / 640*360 / 352*288 @ 25fps
Image Settings	Rotate Mode, Saturation, Brightness, Contrast, Sharpness, Adjustable via client software, web browser or Smart-phone App	
Network Protocols	NA	HTTP, TCP, IP, IPV4, UPNP, UDP, SMTP, NTP, DHCP, DNS, IP FILTER, PPPOE, DDNS, IP SEARCH
General Functions	Anti Flicker, Mirror	Anti Flicker, Mirror, Password Protection, Privacy Mask, Watermark
System Compatibiity	All Displays / MFD's with composite video input, HDMI via Iris TVI to HDMI convertor / IRIS CMAC	ONVIF, Media2, P6S, IRIS CMAC MFD's: TBC
Interface	Video: BNC Female, Data: RS485 2 Wire	1 x RJ45 10M / 100M Ethernet Interface
DC Power	12VDC ± 10% <15W Max (LEDs ON)	12VDC ± 10% / PoE Optional <15W Max (LEDs ON)
Housing Material	Marine Grade 316L Stainless Steel	
Weight	4KG	
Dimensions	165mm ø x 131mm Height	
Certification	ExIICT6Gb / ExtDA21 / IP68/67/66 T80˚C	