

ZCAM8-5W-WA-HV1

GEN3 WEATHERPROOF HD IP PTZ CAMERA

DS-142

Issue 02

ZIZCAM Ltd are a UK based manufacturer of CCTV Cameras for use in the Hazardous Oil, Gas and Petrochemical industries.

Consequently our products are very robust and designed to comply with international standards.

Please do not hesitate to contact us for further information on our products we look forward to working with you on a project soon...



ZIZCAM FOR NON HAZARDOUS INDUSTRIAL AREAS

2MP Full HD IP onboard camera

Continuous 360 degree rotation

Direct drive, Zero backlash Brushless DC servo motors for longevity

Outstanding accuracy and dynamic range

AISI 316L Stainless Steel

ONVIF compliant

Direct Fibre output or Ethernet

ZIZCAM moves forward the Oil & Gas Petrochemical CCTV market with a new and exciting product.

The 3RD generation ZCAM8-5 uses technology new to the CCTV industry, providing outstanding and ultra-reliable performance.

Each axis is driven directly without intermediate belts or gears by our unique brushless DC digital servo drives to give a previously unattainable level of positional accuracy, repeatability, zero backlash, smoothness and silent operation. This results in a product with very long life and maintenance free, leading to low cost of ownership.

The ZCAM8-5 motors have positional intelligence and will maintain or recover to its correct position immediately in heavy winds or being knocked out of position.

The ZCAM8-5 is constructed entirely from AISI 316L stainless steel for low maintenance and protection from corrosion, small in appearance, lightweight and designed for easy installation and maintenance.

Certified to IP66 for weatherproof and dust proof environments, the ZCAM8 range provides for all requirements of daylight and low light safety and surveillance monitoring for non-hazardous areas.

ZIZCAM LIMITED

email: sales@zizcam.com web: www.zizcam.com Tel: +44 (0) 115 920 2888

mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom.

©ZIZCAM LIMITED (2023) All text, drawings and photography contained within this data sheet are the property of ZIZCAM Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of ZIZCAM Ltd.

ZIZCAM Ltd have a policy of continuous product improvement and contents herein are liable to change without notice.



Technical Specifications

General Specifications	
CE Approval:	CE Compliant to LVD (2014/35/EU and EMC 2014/30/EU Directives)
Construction:	Stainless Steel AISI 316L
Supply Voltage:	46-50 Volts DC 2.0A max (Optional factory fitted integral 85-264VAC Mains PSU in base)
Power Consumption:	72 Watts nominal
Cable Entries:	2 x M20 gland entries at base for Power, Ethernet CAT6 or Fibre Optic field cables
Weight:	14Kg
Mounting:	4 x M10 fixings on 164mm PCD
Operating Temperature:	-32°C to +60°C standard (-40°C & -60°C option on request)
Ingress Protection:	IP66
Pan Tilt Unit	
Pan Angle:	360° continuous rotation
Tilt Angle:	+90°/-90° max from horizontal (360° continuous rotation option)
Pre-set positions:	256 Fitted as standard, optical encoder.
Positioning accuracy:	+/-0.02°
Speed:	Variable 0.05 to 360°/sec Pan and Tilt (nominal) zero backlash. Proportional Pan/Tilt control, continually matches pan and tilt speeds to zoom position
Encoder & Telemetry Control Receiver Driver	
Pan Tilt Motor Drive:	48VDC variable speed, brushless DC servo drives
Lens Control:	Via integral IP ONVIF interface
Communication:	ONVIF Ethernet to VMS or Web browser, internal RS485 telemetry control for PTZ and wash wipe
Wiper:	Fitted as standard (integrated control)
Telemetry & Auxiliary relay Protocols:	Pelco P and D as standard, or to customer specification, configured via web page or VMS
Digital IO:	1 Alarm input and 1 output
Auxiliary Relay:	Internal 24VDC out for washer system activation.

ZIZCAM LIMITED

email: sales@zizcam.com web: www.zizcam.com Tel: +44 (0) 115 920 2888

mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom.

©ZIZCAM LIMITED (2023) All text, drawings and photography contained within this data sheet are the property of ZIZCAM Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of ZIZCAM Ltd.

ZIZCAM Ltd have a policy of continuous product improvement and contents herein are liable to change without notice.



Zoom Camera Module: Full HD 2MP 30x Zoom	
Imager:	1/2.8" Sony CMOS Image Sensor
Zoom:	30x Optical, 8x Digital
Focal Length:	f = 5.2mm (wide) to 156mm (tele) - (F1.3 to F4.8)
Angle of view:	Horizontal: 58.1°(wide) ~ 1.94°(tele)
Focus control:	One-shot AF, Manual
Minimum illumination:	Colour: 0.005 Lux (1/30sec, 30IRE), BW: 0 Lux (IR ON)
Day & Night:	Auto/Manual (ICR) Colour / B/W
Image Stabilisation:	EIS (Gyro sensor)
Backlight compensation:	BLC / HLC / WDR
Wide Dynamic Range:	Yes, 120dB
Noise Reduction:	Auto/Manual
Electronic Shutter speed:	1/1 to 1/100,000 sec.
White Balance:	Auto tracing white / Auto white / Manual
Defog:	Support
Image rotation:	Horizontal (Mirror), Vertical (Flip)
Compression:	H.264 / H.265 / MJPEG
Effective Pixels:	2.07 Megapixels
Frame Rate:	Max 60fps @ 1920x1080
Bit Rate:	Primary: 32Kbps ~ 16Mbps, Secondary: 32Kbps ~ 4Mbps
Bit rate control:	H.264/H.265: CBR / VBR / Hybrid, MJPEG: VBR
Resolutions:	Primary 1920x1080 Secondary (#1) 1920x1080~352x240 Secondary (#2) 1280x720~352x240 Secondary (#3) 720x480~352x240
Streaming:	Quad Streaming: Primary: H.264, H.265, Secondary x 3: H.264, H.265, MJPEG
Motion Detection:	Will detect any activity in an area or crossing a point of interest.
Tamper/Sabotage:	Detects any changes in video such as loss, lighting, covered, moved.

ZIZCAM LIMITED

email: sales@zizcam.com web: www.zizcam.com Tel: +44 (0) 115 920 2888

mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom.

©ZIZCAM LIMITED (2023) All text, drawings and photography contained within this data sheet are the property of ZIZCAM Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of ZIZCAM Ltd.

ZIZCAM Ltd have a policy of continuous product improvement and contents herein are liable to change without notice.

Networking features:	
Ethernet connection:	RJ45 (10/100/1000Base-Tx) or Direct Fibre output via media converter
Protocols:	IPv4/v6, TCP, UDP, IGMP(Multicast), ICMP, DHCP, HTTP, HTTPS, RTP, RTSP, FTP, SNMP, SMTP, UPnP, WS-Discovery, Zero Configuration, NTP, DDNS, RTMP
Security:	Basic/Digest authentication, HTTPS, IP address filtering, User access log, TTA certification
Local storage:	Micro SD/SDHC/SDXC (Max 512GB)
Operation:	Via Web Page, ONVIF® Profile S, T, G and M Compliant.
VMS compatibility:	Milestone Xprotect, Genetec Security Centre, FLIR Latitude, Pelco VideoXpert, Wavestone, Hanwha Wisenet, Qognify Cayuga, Bosch BVMS.
Firmware update:	Via IP connection

Models

ZCAM8-5-WA-HV1	Integrated Pan Tilt, variable speed 0 to 360°/sec, 85-264VAC Mains powered, complete with 30x zoom 2MP Full HD IP camera module, heater demister.
ZCAM8-5W-WA-HV1	Integrated Pan Tilt, variable speed 0 to 360°/sec, 85-264VAC Mains powered, complete with 30x zoom 2MP Full HD IP camera module, integral window wiper and heater demister.

For Fibre Optic Media converter options please contact sales@zizcam.com

Camera Mounting accessories

ZC8-75-WB	Wall mounting bracket for GEN3 ZCAM8 PTZ Camera. Stainless steel 316L.
210-75-PC	Pole Clamp assembly, for ZC8-75-WB Bracket, Stainless steel 316L.

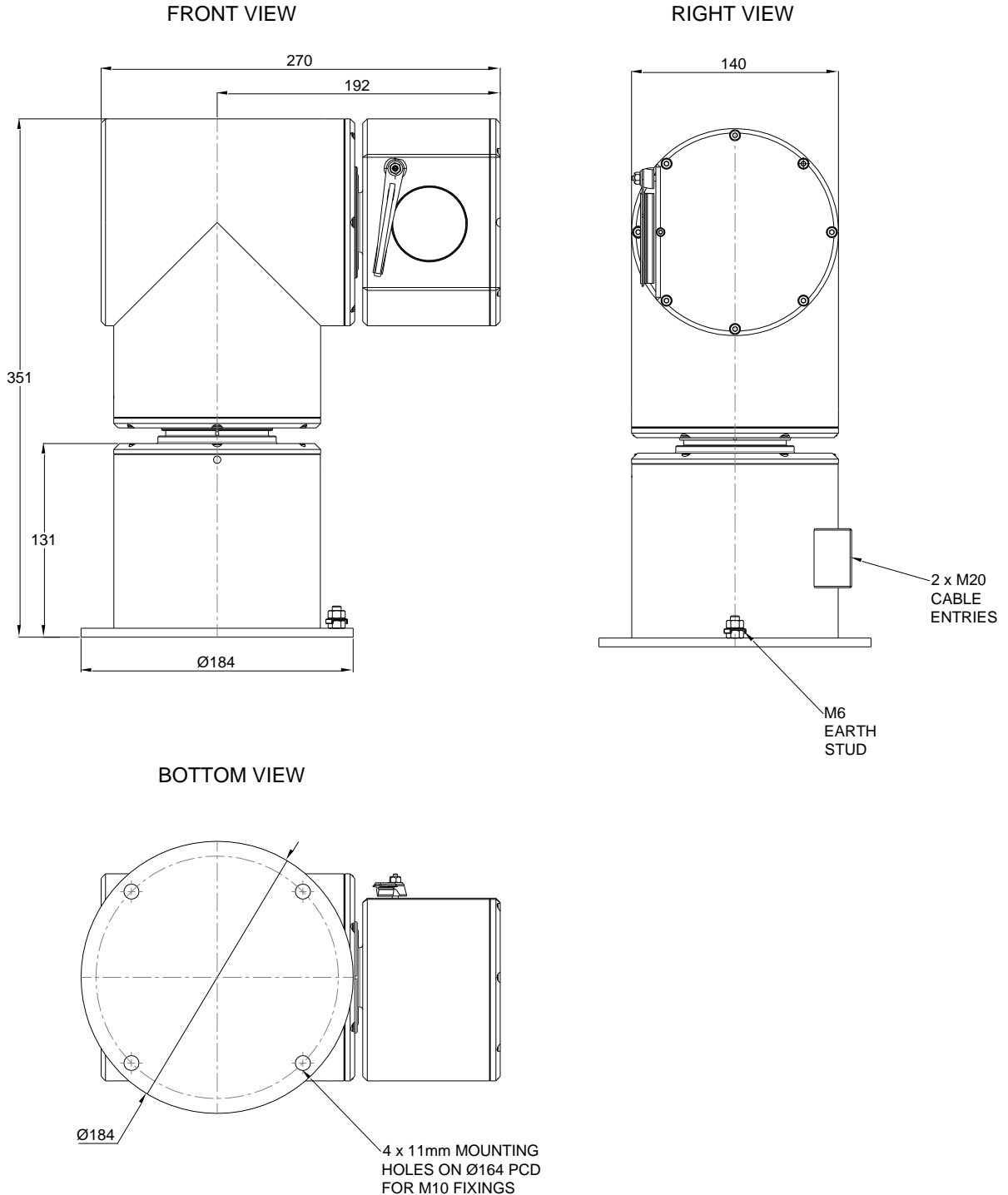
ZIZCAM LIMITED

email: sales@zizcam.com web: www.zizcam.com Tel: +44 (0) 115 920 2888
mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom.

©ZIZCAM LIMITED (2023) All text, drawings and photography contained within this data sheet are the property of ZIZCAM Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of ZIZCAM Ltd.

ZIZCAM Ltd have a policy of continuous product improvement and contents herein are liable to change without notice.

Dimensions (model shown ZCAM8-5W-WA-HV1)



ZIZCAM LIMITED

email: sales@zizcam.com web: www.zizcam.com Tel: +44 (0) 115 920 2888

mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom.

©ZIZCAM LIMITED (2023) All text, drawings and photography contained within this data sheet are the property of ZIZCAM Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of ZIZCAM Ltd.

ZIZCAM Ltd have a policy of continuous product improvement and contents herein are liable to change without notice.