NEW

DATASHEET

Overview
Agile Positioning Systems

HYDRA™ 3000
Ruggedized IP PTZ Surveillance Platform

HD 1080

IP67

FEATURES

- High-quality build, die-cast aluminium body at exceptional value

- Outstanding positional accuracy and repeatability

- Continuous rotation in pan

- Intelligent infra-red and white light illuminator option

- Suitable for worldwide deployment

Designed for Operation in Harsh Environments

Designed to support operation in harsh environments, the **Hydra 3000** is the latest addition to Overview's Hydra series of high-performance PTZ camera platforms.

Representing exceptional value to the end-user, the Hydra 3000 incorporates the same high-quality build synonymous with the Hydra series. Designed specifically for outdoor, surveillance applications, the Hydra 3000 achieves outstanding and ultra-reliable performance in an immensely rugged housing, manufactured from die-cast aluminium.

The Hydra 3000 has an extensive range of features including a 2MP, HD optical 30x zoom camera module and IP video encoder. Adaptive infra-red and white-light illuminator technology is also available as an integrated option, for night-time operation, with a range of at least 200m. Designed and manufactured in the UK, the Hydra 3000 has also been specifically developed with components that allow for its unrestricted use worldwide.

Pan and tilt movement is driven directly without intermediate belts or gears by Overview's unique Servotorq™ Integrated Servo Motors to give a previously unattainable level of positional accuracy and repeatability. A wide dynamic speed range and ultra-smooth motion deliver military performance at a commercial cost, with very long life, leading to low cost of ownership.

Model Code:	Model Description:
OVU20019AA	Hydra 3000 Uno HD-IP 30X LED (Grey-white)
OVU20019AB	Hydra 3000 Uno HD-IP 30X LED (Black)
OVU20020AA	Hydra 3000 Uno HD-IP 30X (Grey-white)
OVU20020AB	Hydra 3000 Uno HD-IP 30X (Black)

ONVIF®

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Technical Specification

Mechanical	
Construction	Highly rugged construction in die-cast aluminium. Toughened glass
Pan and Tilt Speed	0.05º/s to 360º/s (both axes)
Pan Range	360º continuous rotation
Tilt Range	360° continuous but limited to +/- 90º from horizontal in software
Preset Positions	256 with repeatable accuracy better than 0.01°
Tours	10 preset tours
On-Screen Display (OSD)	Time, date, setup coordinates and title display
Power Supply Voltage	46-50 Volts DC
Power Consumption	7 Watts typical with no lights; 22 Watts with lights operating, 96 Watts maximum power with all auxiliaries and maximum working load on motors
Operating Temperature	-30°C to 60°C
Enclosure	Die-cast aluminium, colour options RAL9002 & RAL9005 (or to meet customer's requirements). Scratch-resistant windows
Wiper	Fitted as standard (integrated control)
Lights	Zoom adaptive LED illuminator in infrared and white light for mono/colour operation
Lighting Control	Manual White Light and Automatic IR (based on scene brightness)
Digital IO	1 input and 1 output
Audio IO	1 input and 1 output
IP Rating	IP67
Dimensions (LxWxH)	Without lights = 267mm x 183.2mm x 426mm With lights = 277.2mm x 183.2mm x 437.5mm
Weight	6.6kg without lights; 6.9kg with LED lights
Shipping Dimensions (LxWxH)	571mm x 481mm x 322mm
Shipping Weight (Gross)	11.5kg

IP Camera	
Daylight Camera	HD colour day/night
Sensor	2.4 megapixel 1/3" CMOS
Resolution	1920 x 1080 @ 60 fps
Min. Illumination (50%)	Colour: 0.5 lux (1/30s) B/W: 0.005 lux (1/30s)
Infrared Cut Removal (ICR)	Auto or Manual
S/N Ratio	>50dB AGC off
Wide Dynamic Range (WDR)	Yes
Digital Noise Reduction (DNR)	Auto / Off / Low / Middle / High
Lens	30x optical zoom, Focal length: 4.3mm to 129mm, f/1.6 to f/4.7
Horizontal Field of View	65.1º - 2.34º Dependant on zoom level
Auto Focus	Yes
Exposure Mode	Auto/Manual
Privacy Mode	Yes
Back Light Compensation (BLC)	On or Off

Compatibility	
Control	ONVIF Profile S, CGI API
Protocols	TCP/IP, UDP, AutoIP, RTP(UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2/v3(MIB-2), ONVIF
Video Streams	3 streams, H.264 (MP/HP), H.265(MP), MJPEG

European Community Registered Design
Numbers: 3153378-0001; 3153378-0002; 3153378-0003

Note: Specifications subject to change without notice.

Certifications & Approvals - Standards
BS EN 55032:2015+A11:2020 Electromagnetic compatibility of multimedia equipment. Emission Requirements. Class A BS EN 50130-4:2011+A1:2014 Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems
BS EN 62368-1:2020+A11:2020 Audio / video, information & communication technology equipment – Part 1: Safety Requirements
IK10 – EN62262
IP67 (To BS EN 60529)
Vibration EN60068-2-6
Shock EN60068-2-27
Salt spray IEC60068-2-52:1996 severity Level 1

Accessories/Replacement Parts	
Model No.:	Model Description:
OVU10005AA	Hydra Wall Mount Bracket Kit (Grey-white)
OVU10005AB	Hydra Wall Mount Bracket Kit (Black)
OVU10006AA	Hydra Column Mount Kit (Grey-white)
OVU10006AB	Hydra Column Mount Kit (Black)
OVU10007AA	Hydra Swan Neck Bracket Kit (Grey-white)
OVU10007AB	Hydra Swan Neck Bracket Kit (Black)
OVU10008AA	Hydra Corner Mount Kit (Grey-white)
OVU10008AB	Hydra Corner Mount Kit (Black)
OVU10009AA	Hydra Pole Mount Kit (Grey-white)
OVU10009AB	Hydra Pole Mount Kit (Black)
OVU20025	10m Power Cable
OVU20026	IP 67 RJ-45 Plug Housing
OVU20027	Power Supply (240VAC / 48VDC)

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