

Product datasheet

## Hydra Uno™ rugged PTZ camera platform

Rugged PTZ camera platform designed for operation in harsh environments.



### Key features

- Die-cast aluminium housing
- IP68
- Direct drive, no backlash
- Overview digital servo pan and tilt drive
- Outstanding accuracy and dynamic range
- Continuous rotation in both pan and tilt
- Supports wide range of cameras
- Optional infra-red and white light illumination
- Flat window with wiper
- ONVIF conformant

### Description

Designed from the outset to support operation in harsh environments, Hydra Uno uses technology new to the CCTV industry. Hydra Uno achieves outstanding and ultra-reliable performance in an immensely rugged housing manufactured from die-cast aluminium. Each axis is driven directly without intermediate belts or gears by Overview's unique iBLDC digital servo drives to give a previously unattainable level of positional accuracy, repeatability, wide dynamic range and smoothness – this results in military performance at commercial cost, with very long life leading to low cost of ownership.

Hydra Uno is a highly flexible platform accommodating a very wide range of analogue, HD and IP cameras with up to 40x zoom, or a wide range of Overview thermal cameras. The integral adaptive illuminator covers at least 150m, and rotation is continuous in both pan and tilt.

## Technical Summary – Hydra Uno™

<b>Mechanical</b>	
Construction	Ruggedized construction in die cast aluminium
Pan and tilt manual control speed	0.05 degree to 180 degrees/sec (both axes)
Pan and tilt movement	360 degrees continuous rotation in both axis
Preset positions	250 with repeatable accuracy of >0.01°
Tours	100 preset tours and 8 mimic tours
Alarm I/O	8 alarm in 1 alarm out (optional)
OSD	Time, date and title display
Operating voltage	48VDC
Power consumption	10.8 Watts (nominal) with no lights 25.6 watts (nominal) with lights operating
Operating temperature	-10° C to 60° C (standard) -40° C to 60° C (low temperature option) 90% humidity (maximum)
Enclosure	Die-cast aluminium, colour RAL9002, or to meet customer's requirements, a range of scratch resistant windows to support thermal imager and visible light cameras.
Wiper	Yes
IP Rating	IP68
Dimension H x W x D	360 x 265 x 180mm
Weight	7kg with LED lights
Shipping dimensions H x W x D	250 x 500 x 400mm
Shipping weight	9Kg

## Camera Options

Hydra Uno can be configured to support a range of camera options, for example:

<b>Daylight Camera</b>	HD colour day/night	SD analogue colour day/night
Sensor	2.1 megapixel 1/2.8" CMOS	¼" Super HAD II CCD
Resolution	1920 x 1080p @ 25fps	670TVL
Scanning system	Progressive scan	Progressive scan
Minimum Illumination	Colour: 0.5 Lux B/W: 0.01 Lux ICR on	Colour: 0.6 Lux B/W: 0.01 Lux ICR on
S/N ratio	52dB	50dB
ICR	Auto/manual	Auto/manual
WDR	Yes	Yes
DNR	3D	2D and 3D
Lens	30:1, f = 4.3 to 129mm, F1.6 to F5.0	40:1, f = 3.06 to 122.4mm, F1.6 to F4.6
Angle of view - horizontal	65.1-2.34°	60.0° to 1.6°
Auto focus	Yes	Yes
Exposure mode	Auto/manual	Auto/manual
Privacy masking	Yes	Yes
BLC	On/off	On/off

## Encoder Options

Encoder	FHD - IP	SD - IP
Video compression	H.264	H.264, MPEG-4, MJPEG
Encoder output	1080p and D1	D1, 4CIF, 2CIF, CIF
FPS	25	25
Number of streams	3	2
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, QoS, HTTPS, IPv6	TCP/IP, UDP/IP, HTTP, RTSP, RTCP, RTP/UDP, RTP/TCP, SNTP, mDNS, UPnP, SMTP, SOCK, IGMP, DHCP, DDNS, SSL, SSH, SNMP.
Security	Password protected	Password protected
ONVIF	Yes	Yes

## Certification and approval

Standards
CE-EN50130-4, EN61000-3-2 & 3-3.EN55022, EN60950-1
FCC part 15
EN62262 - IK10
IP68 – IEC60529
Vibration IEC60068-2-6
Shock IEC60068-2-7
Salt spray IEC60068-2-52:1996 Severity Level 1

## European Community Registered Design

### Numbers:

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**3153378-0002**

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Note: Data sheet may change without notice.