

ULISSE COMPACT

OUTDOOR PTZ CAMERA FOR HIGHEST PRECISION DAY/NIGHT MONITORING



FEATURES

Variable speed: 0.1°-200°/s Pan/Tilt

Horizontal continuous rotation, vertical -90°/+90°

IP66

Day/Night camera 36x, 28x or 10x:

- True Progressive Scan (36x)
- High resolution: up to 550 TVLines
- Advanced image stabilizer (Stable Zoom Mode)
- Day/Night (Auto ICR: automatic removal of IR filter)
- Dynamic video masking of different areas

Up to 2 simultaneous video streams

Position accuracy: 0.05°

Up to 250 Presets

Operating temperature: -40°C / +60°C (-40°F / +140°F)

Power supply available 230Vac, 24Vac or 120Vac

OPTIONS:

IP based control, H.264/AVC and JPEG, 25fps, Full D1 (compatible with ONVIF protocol, Profile S)

Complete front flange with heated glass

LED illuminator

Wiper

DESCRIPTION

ULISSE COMPACT is a robust and efficient PTZ camera unit designed to ensure dynamic and non-stop surveillance of large outdoor areas and withstand harsh weather conditions, reducing maintenance to zero.

Optimal operation is ensured in very hot environments up to 60°C or in very cold environments up to -40°, thanks to optional enhanced heating.

The accurate top-mount construction ensures vision beyond the horizon and the continuous rotation on the horizontal axis, combining high speed to absolute tracking accuracy, both in manual mode and in patrol mode.

The integrated camera ensures superior image quality, even in poorly lit environments.

To ensure detailed images even during the night hours, versions are available with LED illuminators, with infrared light or white light.

The ULISSE COMPACT PTZ camera can be equipped with a wiper for removing rain and dust from the front glass; there is a wide selection of jerry cans with washer pump, different capacities and heads.

The IP-based PTZ camera versions can be integrated into a network system, with network control of all PTZ functions.

H.264/AVC compression allows high definition images to be transmitted via Ethernet with optimisation of bandwidth and video storage space.

The compliance with ONVIF Profile S provides an open architecture for maximum integration with IP systems of the major brands in the industry.



ULISSE COMPACT + LED ILLUMINATOR



ULISSE COMPACT



ULISSE COMPACT + UCCMA

TECHNICAL DATA**GENERAL**

Constructed from aluminium and tecnopolymer
 Epoxypolyester powder painting, RAL9002 colour
 Easy installation thanks to the self-centring connector
 Zero backlash
 Quick configuration and setup
 Dynamic positioning control system

MECHANICAL

Cable glands: 2xM16, 2xM12
 Horizontal rotation: continuous
 Vertical rotation: From -90° a +90°
 Horizontal speed (variable): From 0.1°/s a 200°/s
 Tilt speed (variable): From 0.1°/s a 200°/s
 Preset accuracy: 0.05°
 Unit weight: 12.5kg (28lb) (13kg / 28.7lb with LED illuminator)

ELECTRICAL

Power supply/Current consumption:

- 230Vac, 0.4A, 50/60Hz
- 24Vac, 4A, 50/60Hz
- 120Vac, 0.8A, 50/60Hz

Power consumption:

- 40W: P&T stopped, heating switched off
- 60W: P&T in motion, heating switched off
- 125W: peak at start-up, heating switched on

Power consumption with illuminator on:

- 55W, P&T stopped, heating switched off
- 75W, P&T in motion, heating switched off
- 140W, peak at start-up, heating switched on

Input cables size: AWG 16-AWG 19

Dimensions of signal cables: AWG 16-AWG 30

Video line: coaxial cable (1Vpp, 750hm)

Functions: Autopan, Preset, Patrol, Tour (maximum 3), Autoflip

Maximum number of presets for protocol

- AMERICAN DYNAMICS: 95*
- ERNITEC: 250
- PANASONIC: 250
- PELCO D: 99*
- VIDEOTEC MACRO: 250

*250, from OSD only (On Screen Display)

16-characters string for zone and preset titling

I/O alarm card

- Alarm inputs: 6
- Relay outputs: 2 (2A, 30Vac/60Vdc max)

LED illuminator

- 10° or 30° horizontal beam for 36x and 28x camera
- 30° horizontal beam for 10x cameras
- Wavelength: 850nm, 940nm, white light
- Built-in sensor for self-lighting, through external photocell or from control keyboard
- The camera and the light beam are factory aligned
- The pre-installed illuminator does not slow down the P&T's rotation speed

COMMUNICATIONS

Configuration through OSD

Half-duplex serial RS485 interface, full-duplex RS422 and daisy-chain architecture

Firmware updating from console in remote mode (only VIDEOTEC MACRO and PELCO D protocols)

Up to 1023 units, addressable by means of dip-switches

ULISSE COMPACT, IP based control mode:

- Connection Ethernet port LAN 10/100T

PROTOCOLS

AMERICAN DYNAMICS, ERNITEC, PANASONIC, PELCO D, VIDEOTEC MACRO

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The product may be interfaced with devices not manufactured by VIDEOTEC. It is possible that the interface protocols have changed or are in a different configuration from earlier tested units by VIDEOTEC. VIDEOTEC recommends a test prior to installation. VIDEOTEC will not be liable for any installation costs or lost revenues in the event a compatibility problem will occur.

ULISSE COMPACT, IP based control mode:

- Compression H.264/AVC and JPEG
- Two independent video streams
- Image resolution: from Full D1 (720x576 for PAL, 720x480 for NTSC) to 352x240 in 18 steps
- Web Server
- Compatible with ONVIF protocol, Profile S

ENVIRONMENT

Indoor/Outdoor

Operating temperatures (with heater): From -40°C (-40°F) a +60°C (140°F)

Wind resistance

- Operational: up to 160km/h
- Stationary: Up to 210km/h

Surge immunity: Up to 2kV (line to line), up to 4kV (line to earth, Class 4)

CERTIFICATIONS

Electrical safety (CE): EN60950-1, IEC60950-1

Electromagnetic compatibility (CE): EN61000-6-4, EN50130-4, EN55022 (Class A), FCC Part 15 (Class A)

Outdoor installation (CE): EN60950-22, IEC60950-22

Photobiological safety (CE): EN62471

IP protection degree: EN60529 (IP66)

UL certification: cULus Listed (TYPE 4X)

EAC certification

ACCESSORIES

OUCHWR	Complete front flange with heated glass for ULISSE COMPACT
UPTJBUL	Junction weatherproof box for cables connexion (according UL norm)
WASPTOV5L5M00	Water tank 5l, pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
WASPTOV23L5M00	Water tank 23l, pump with delivery up to 5m (16ft), IN 230Vac-24Vac-120Vac
WASPTOV23L11M00	Water tank 23l, pump with delivery up to 11m (36ft), IN 230Vac-24Vac-120Vac
WASPT1V23L30M00	Water tank 23l, pump with delivery up to 30m (98ft) with water floating, IN 230Vac
WASPT3V23L30M00	Water tank 23l, pump with delivery up to 30m (98ft) with water floating, IN 120Vac

BRACKETS AND ADAPTORS

UPTWBA	Wall bracket with internal cable channel
UPTWBTAB	Parapet bracket with internal cable channel
UCCMA	Ceiling bracket for upside down mounting and working of ULISSE COMPACT

PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
UC1ASSA000A	16kg (35lb)	66x33x57cm (26x13x22in)	-
UC1AVQA000A	16.5kg (36lb)	66x33x57cm (26x13x22in)	-

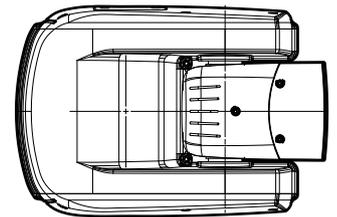
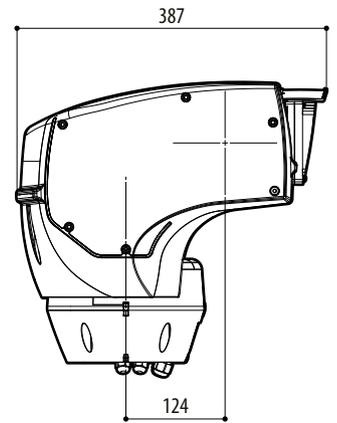
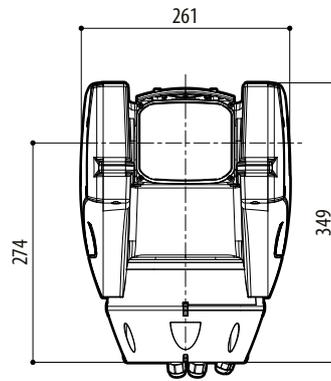
ULISSE COMPACT - CONFIGURATION OPTIONS

	Voltage	Day/Night camera		Options		Video output	
UC	1 230Vac	P Day/Night camera 36x optical zoom lens, PAL	V With I/O alarm board	S Without accessories	A	0 Analog control	00A
	2 24Vac	Q Day/Night camera 28x optical zoom lens, PAL		W With wiper		Z IP H.264/AVC control, Protocol ONVIF Profile S	
	3 120Vac	B Day/Night camera 10x optical zoom lens, PAL		Q With IR LED illuminator 30°, 850nm			
		N Day/Night camera 36x optical zoom lens, NTSC		R With IR LED illuminator 10°, 850nm			
		M Day/Night camera 28x optical zoom lens, NTSC		U With wiper and IR LED illuminator 30°, 850nm			
		K Day/Night camera 10x optical zoom lens, NTSC		T With wiper and IR LED illuminator 10°, 850nm			
				M With IR LED illuminator 10°, 940nm			
				N With wiper and IR LED illuminator IR LED 10°, 940nm			
				Z With wiper and LED illuminator 30°, white light (only with 36x camera)			

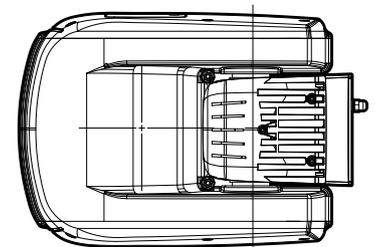
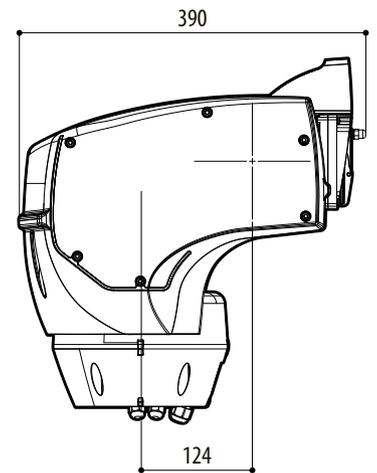
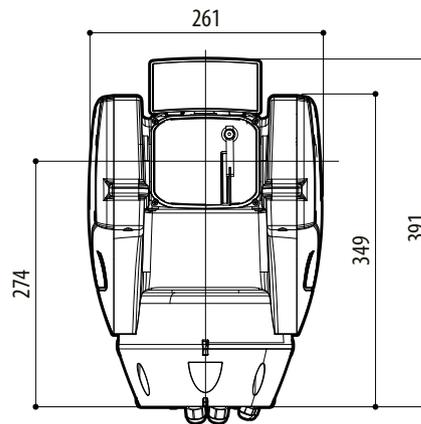
DAY/NIGHT CAMERA FEATURES						
	Day/Night 36x		Day/Night 28x High sensitivity		Day/Night 10x High sensitivity	
	PAL	NTSC	PAL	NTSC	PAL	NTSC
Optical zoom	36x		28x		10x	
Wide Dynamic Range (Fix/Auto)	✓		–		–	
True progressive SCAN	✓		–		–	
Digital image stabilisation	✓		✓		–	
White balance	Auto, ATW, Indoor, Outdoor (Fix/Auto), Sodium Vapor Lamp (Fix/Auto)		Auto, ATW, Indoor, Outdoor (Fix/Auto), Sodium Vapor Lamp (Fix/Auto)		Auto, ATW, Indoor, Outdoor	
High horizontal resolution	Up to 550 TV Lines		Up to 550 TV Lines		Up to 530 TV Lines	
Day/Night (Auto ICR)	✓		✓		✓	
Image Sensor	1/4" EXView HAD CCD		1/4" Super HAD CCD II		1/3" Super HAD CCD II	
Number of effective Pixels	~ 440000 pixel	~ 380000 pixel	~ 440000 pixel	~ 380000 pixel	~ 440000 pixel	~ 380000 pixel
Min. Color illumination (IR-Cut Filter = OFF)	1.4Lux / 1/50s 0.1 Lux / 1/3s	1.4Lux / 1/60s 0.1 Lux / 1/4s	0.25Lux / 1/50s 0.16 Lux / 1/3s	0.25Lux / 1/60s 0.16 Lux / 1/4s	0.25Lux / 1/50s 0.015 Lux / 1/3s	0.25lux / 1/60s 0.015 Lux / 1/4s
Min. B/W illumination	0.01 Lux / 1/3s	0.01 Lux / 1/4s	0.0015 Lux / 1/3s	0.0015 Lux / 1/4s	0.0004 Lux / 1/3s	0.0004 Lux / 1/4s
"Shutter Time" automatic increase to improve the night surveillance	✓		✓		✓	
S/N ratio	Greater than 50dB		Greater than 50dB		Greater than 50dB	
AE control	Automatic, Shutter priority, Diaphragm priority, Brightness priority and Manual		Automatic, Shutter priority, Diaphragm priority, Brightness priority and Manual		Automatic, Shutter priority, Diaphragm priority, Brightness priority and Manual	
Back light compensation	On/Off		On/Off		On/Off	
Spherical masking (3D) of Privacy zones with automatic upgrade	✓		✓		✓	
Privacy Zone Masking	On/Off (24 positions)		On/Off (24 positions)		On/Off (24 positions)	
Maximum number of masking blocks to be displayed	8		8		8	
Resolution of masking blocks	160x120 HxV		160x120 HxV		160x120 HxV	
Masking	Up to 15 different masking types: 14 colour types or mosaic		Up to 15 different masking types: 14 colour types or mosaic		Up to 15 different masking types: 14 colour types or mosaic	
Focusing system	Auto (Sensitivity: Normal, Low), Trigger PTZ, Manual		Auto (Sensitivity: Normal, Low), Trigger PTZ, Manual		Auto (Sensitivity: Normal, Low), Trigger PTZ, Manual	
"Smart" lens control	Automatic Lens Reset		Automatic Lens Reset		Automatic Lens Reset	
High Zoom and Wide Horizontal Field of View Capability	✓		✓		–	
Optical zoom	36x, f=3.4 (wide) to 122.4mm (tele) / F1.6 to F4.5		28x, f=3.5 (wide) to 98mm (tele) / F1.35 to F3.7		10x, f=5.1 (wide) to 51mm (tele) / F1.8 to F2.1	
Digital Zoom	12x (432x with optical zoom)		12x (336x with optical zoom)		12x (120x with optical zoom)	
Angle of view (A)	57.8 degrees (wide) to 1.7 degrees (tele)		55.8 degrees (wide) to 2.1 degrees (tele)		52 degrees (wide) to 5.4 degrees (tele)	
Minimum object distance	320mm (12.6in) (wide) to 1500mm (59.1in) (tele)		10mm (0.4in) (wide) to 1500mm (59.1in) (tele)		150mm (5.9in) (wide) to 800mm (31.5in) (tele)	
Electronic Iris Speed	1/1 ÷ 1/10000s		1/1 ÷ 1/10000s		1/1 ÷ 1/10000s	

TECHNICAL DRAWINGS

Sizes in millimeters.



ULISSE COMPACT



ULISSE COMPACT WITH LED ILLUMINATOR

