# WHAT COULD BEAT THE ULISSE?

# ULISSE2

## ...WHAT ELSE?

# Universal Full IP PTZ for IP cameras



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|---|---|---|---|---|---|
| ILLUMINATORS | WIPER | TYPE 4X PROTECTION | IP66 PROTECTION | IP | 4K ULTRA HD READY VIDEO STANDARD |

# WHAT'S NEW

Reengineered and redesigned for any, visible or thermal imaging, third-party IP camera (ONVIF-S or equipped with an RS485 serial port). All camera functions (including wiper, washer pump, pre-sets, lights and set-up) plus P&T can be controlled by a standard VMS. 4K Ultra HD designed and tested.

Unrivalled operating temperature range, from -40°C (-40°F) a +65°C (+149°F). Constant thermoregulatory functions and demisting with temperature-controlled forced air. Outdoor ready, IP66 and NEMA-4.

Enhanced P&T performance: smooth and silent movements; increased variable speed depending on the zoom (pan from 0.02° to 100°/s, tilt from 0.02° to 50°/s); refined positioning accuracy, wind resistance increased to 220km/h (136.7mph).

New intelligent and versatile management of the LED illuminators. They can be integrated on the PTZ post-installation, and with any power source without the need for additional power supplies.

Improved accessibility to connections to facilitate and speed up wiring and diagnostics, without the need to dismantle the product. Greatly simplified installation: a single hex key (supplied) allows complete assembly of the PTZ. It requires no maintenance after installation.

**Optional extras:**
• Full HD 1080p add-on camera, 30x optic zoom (4.3-129mm), 60fps
• A de-icing heated window
• LED lights and assembly support

# DESCRIPTION

The new, enhanced ULISSE2 is perfect for those searching for a robust, reliable IP PTZ system, which guarantees monitoring of large outdoor areas with excellent target-detection accuracy, ease of installation and use, unbeatable durability and zero maintenance.

The PTZ casing has been adapted to house cameras with motorised zoom of up to 200mm: a unique PTZ, it is, in fact, able to offer 360° monitoring of a large area in excellent detail and with very high positioning speed.

ULISSE2 is the most robust and reliable outdoor PTZ system on the market. Having passed stringent quality tests, it has successfully showed unbeatable operating features and great positioning accuracy, even in harsh or highly demanding conditions.

The advanced protection technology used has allowed certain characteristics of ULISSE2 to be enhanced, such as the unrivalled temperature range, with sophisticated, constant thermoregulation and demisting functions designed to prevent condensation and to ensure that the camera is constantly within its ideal operating temperature range.

Wiper as standard and washer kit as an optional extra on all versions.
The efficient automatic self-test rapidly detects the state of the system and all reported events are stored in the internal log.  A complete system backup is possible via the Micro SD.

# APPLICATIONS



**PRISONS AND MILITARY INSTALLATIONS**



**COASTS AND PORTS**



**BORDER LINES**



**AIRPORTS**



**INDUSTRIES**



**ENVIRONMENT SURVEILLANCE**



**TRANSPORTATION**



**STADIUMS**



**FIRE DETECTION**



## TECHNICAL DATA

Horizontal rotation: continuous - Vertical rotation: +90° to -40°

• Pan variable variable: from 0.02°/s up to 100°/s (from 0.02°/s up to 40°/s with illuminators)

• Tilt variable speed: from 0.02°/s up to 50°/s (from 0.02°/s up to 40°/s with illuminators)

The unit automatically reduces the speed according to zoom with Add-on camera and motorised lenses with potentiometer

Accuracy of preset positions: 0.02°

Extremely smooth movement

Reading via ONVIF of the pan/tilt/zoom position

Installation made easier with a single hex key and captive screws

Temperature-controlled forced air creates an anti-condensation system for the window

De-icing system with self-heating glass, 7W max (optional)

Micro SD slot for configuration and log storage

## OPTIONAL VIDEOTEC CAMERA ADD-ON (CODE CAMHD30X)

Day/Night Full HD 30x - Image Device: 1/2.8 type Exmor™ CMOS sensor

Effective Pixels: approx. 2.38 Megapixels

Minimum Illumination, color (ICR-OFF):

• 1.4lx 1/30s 50 IRE (Normal Mode) - 0.35lx, 1/30s, 50 IRE (High sensitivity mode)

• 0.19lx, 1/3s, 50 IRE (Normal mode) - 0.05lx, 1/3s, 50 IRE (High sensitivity mode)

Minimum Illumination, B/W (ICR-ON):

• 0.05lx, 1/30s, 50 IRE (Normal mode)

• 0.013lx, 1/30s, 50 IRE (High sensitivity mode)

• 0.002lx, 1/3s, 30 IRE (High sensitivity mode)

Lens: f=4.3 mm (wide) ~ 129.0 mm (tele), from F1.6 to F4.7

Optical zoom: 30x (360x with digital zoom)

Horizontal Viewing Angle: 63.7° (wide end), 2.3° (tele end)

Wide-D (wide dynamic range): 130dB

De-fog: On/Off

Speed in proportion to zoom

Zone masking (pan angle and pan + tilt angle)

Electronic stabiliser

## SPECIFICATIONS OF THE CAMERAS THAT CAN BE INSTALLED

Mode of communication with the IP camera:

• camera controlled by P&T via ONVIF-S (PTZ Master)

• P&T controlled by camera via RS485 serial port (Camera Master)

Communication mode enabled with the IP camera, via dip-switch

Nominal bitrate of the video stream (total of the whole camera stream) 60 Mbit/s

IP camera configuration via direct connection to the camera's web page

PTZ control (only with Camera Master mode): RS485, Pelco-D protocol, baudrate 9600

Lens control: common ZF line, separate ZF line or RS485

Day/Night camera synchronisation: ONVIF or relay

Maximum weight of camera + lens: 2.3 KG

## ENVIRONMENT

Operating temperature: from -40°C (-40°F) up to +65°C (149°F)

Cold start: from -40°C (-40°F) up to -10° (14°F)

Wind resistance: 136 mph (220 kph) - Wind resistance without position loss: 87 mph (140 km/h)

## CERTIFICATIONS

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

Electromagnetic compatibility (CE): EN50130-4, EN61000-6-4, EN55022 (Class A), EN55032 (Class A), FCC Part 15 (Class A)

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

IP protection degree: EN60529, IP66

Salty fog resistance: EN50130-5, EN60068-2-52

UL certification : cULus Listed ,TYPE 4X (Only 24 Vac and 120 Vac versions)

EAC certification

Vibration test: EN50130-5 Cl. 22 e Cl. 23 (EN60068-2-6)

Combined, the ULISSE systems represent the broadest range of PTZ cameras on the market for any outdoor monitoring task, from the most basic to the most complex. Extreme robustness and zero maintenance means that these products can be used under the harshest conditions and offer a level of quality that exceeds all expectations.

**The story of the ULISSE family, from ULISSE to ULISSE2**

Born: Videotec Italy, in the spring of 2005

Brothers: ULISSE Plus, ULISSE Maxi and ULISSE Compact

First IP PTZ on the market (2013)

International patents: 3

Units installed across the world: more than 40 thousands

Worldwide coverage: 142 countries

**MADE IN ITALY**

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