



FUJIFILM



FIRST-CLASS  
JOINT PRODUCT  
PARTNERSHIP

**Videotec and Fujifilm Long Range Surveillance Solution.**  
Seeing beyond the limits.

# VIDEOTEC ULISSE MAXI AND FUJIFILM SX800 CAMERA: SIMPLE AND SEAMLESS INTEGRATION

Fujifilm and Videotec have joined their forces integrating their top-performance products to supply a new solution for accurate long-range surveillance, ideal to protect critical infrastructure and transportation networks, including airports, harbours, highways, borderline, and environment.



# LONG-RANGE SURVEILLANCE BEYOND EXPECTATIONS

In recent years, there is an increasing demand for long-range lens equipped surveillance cameras for distant subjects or applications such as international borders and wide forest areas but also at large-scale public infrastructure facilities: airports, harbours and highways.

The system achieves top-performance in the long-range monitoring thanks to:

- High-performance, built-in FUJINON lens with 40x optical zoom (focal lengths from 20mm to 800mm)
- Advanced image stabilization and image processing technology
- Sturdy and accurate PTZ mechanical construction



Exceptional lens capability



Without image stabilization

With image stabilization

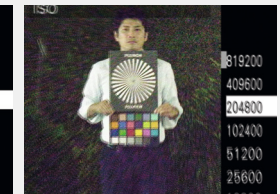
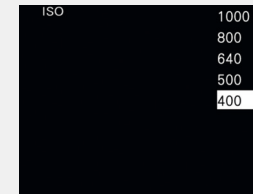
Image stabilization



Fog reduction OFF

Fog reduction ON

Fog reduction



ISO 400

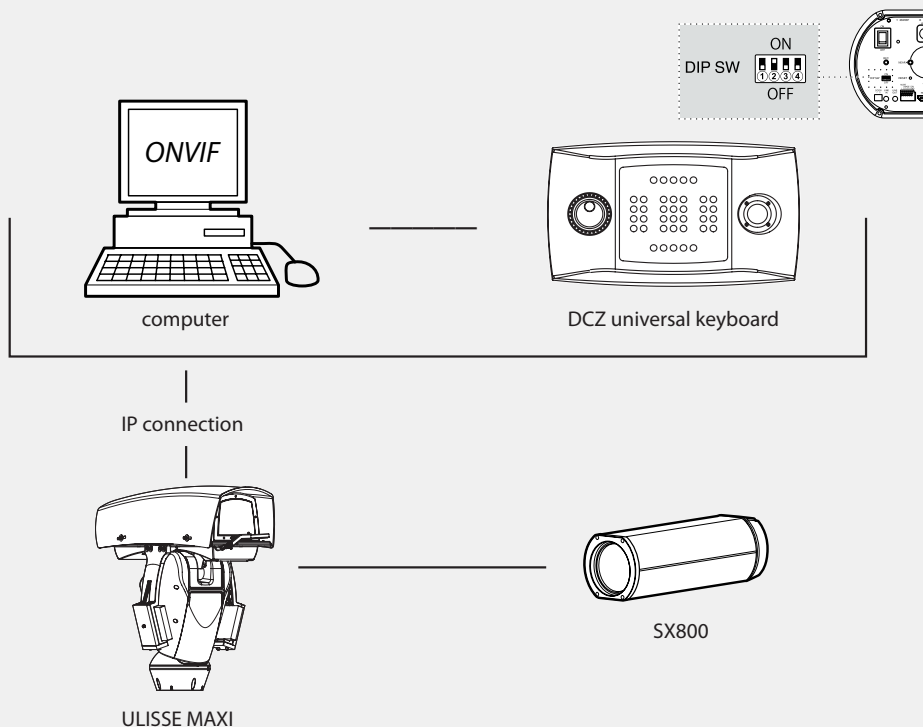
ISO 204800

Low-light conditions

# SX800 & ULISSE MAXI SIMPLE AND FAST INTEGRATION

The combined system incorporates Fujifilm's new high-end SX800 camera into Videotec's ULISSE MAXI PTZ. Integrating the SX800 camera into the robust and precise ULISSE MAXI positioning unit is simple and fast, resulting in a first-class PTZ camera system for monitoring perimeters and extensive outdoor areas.

The camera/lens installation operation is simple and internal connections are easily accessible.



## APPLICATIONS



Airports



Borderlines



Traffic

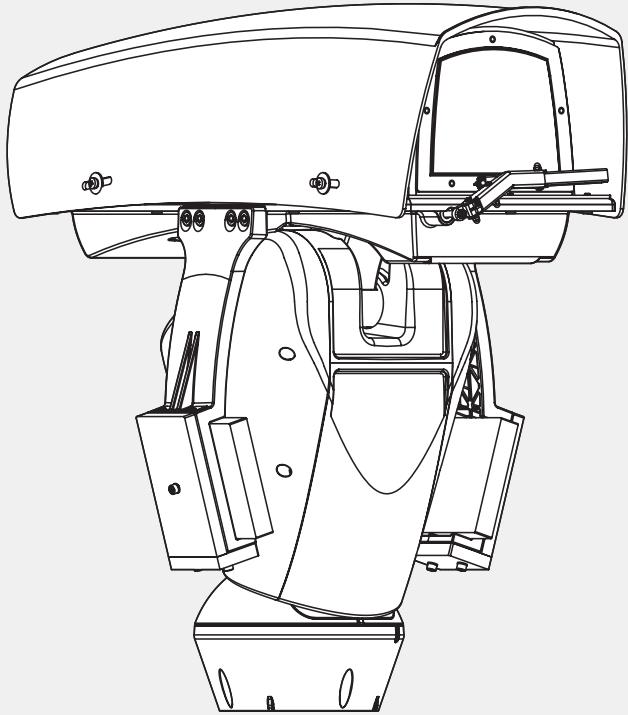


Industries

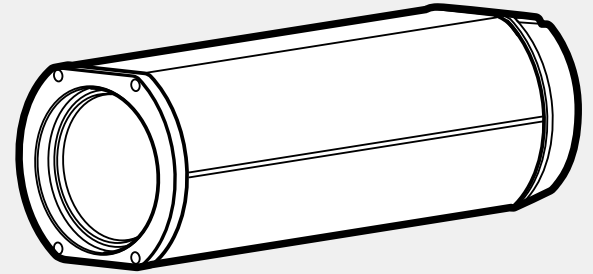


Environment

# PERFECT MANAGEMENT AND SIMPLIFIED OPERATION



ULISSE MAXI



SX800

The ULISSE MAXI unit offers the full management and set-up of the SX800 camera and motorized zoom through any ONVIF Profile-S compatible VMS.

# THE PTZ: ULISSE MAXI

## PTZ unit for dynamic monitoring of large outdoor areas

ULISSE MAXI NETCAM is a powerful Full-IP PTZ for outdoor video surveillance and can manage modern IP cameras, with integration into a network system via ONVIF Protocol, Profile S.

This PTZ can house and manage the largest motorised lenses on the market, taking a total weight of up to almost 8 kilos.

ULISSE MAXI NETCAM is designed to ensure non-stop surveillance of large outdoor areas and to withstand harsh weather conditions.

Versions are available with LED illuminators (infrared or white light) to ensure detailed images even during the night hours.

The sturdy mechanical structure and the powerful motors guarantee maximum resistance to high operating stress, vibrations and temperatures between -10°C and +60°C.

The unit is equipped with optical sensors to ensure the accurate control of the position in any condition of use.

The ULISSE MAXI always comes with a built-in wiper to provide a clear view in any environmental conditions, with a wide choice of tanks with washer pumps, with different delivery heights and capacities.

Maintenance free.  
3 years warranty.



## MAIN FEATURES

- Full management of Network Cameras compatible with ONVIF protocol, Profile S
- Camera, zoom lens are managed as a single IP address
- Horizontal continuous rotation, vertical: from +45° to -20°
- Weatherproof housing for large-size lenses
- Position accuracy: 0.02°
- Autopan, Preset, Patrol
- Optical sensors for absolute positioning feedback
- Sturdy IP66 construction
- Operating temperature: from -10°C (14°F) to +60°C (140°F)
- Full range of accessories and mounting options

# THE CAMERA: SX800

## Long Range Surveillance Camera with advanced image processing technology

The SX800 is equipped with a 40x optical zoom lens that covers a broad range of focal lengths from 20mm on the wide angle end to 800mm on the telephoto end. It is complemented with 1.25x digital zoom to achieve long-range surveillance equivalent to 1000mm in focal length.

The SX800 combines optical image stabilization (OIS) and electronic image stabilization (EIS) to accurately compensate for camera shake, typically caused by gusts and footing vibrations at the site of camera installation. The system is particularly effective when shooting in the ultra-telephoto range, which is susceptible to even the slightest of shakes.

The camera employs a rear focus mechanism which achieves the high-speed adjustment of the smaller-diameter lenses in the rear group of the zoom lens. In combination with the phase detection AF, the camera can achieve high-speed autofocus in a minimum time of around one second, instantly adjusting to the image subject.



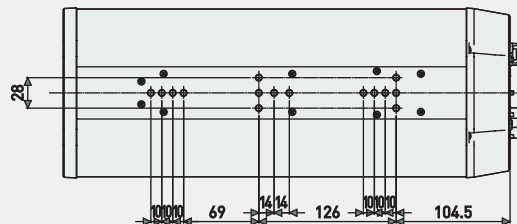
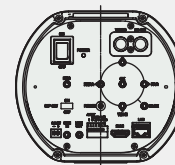
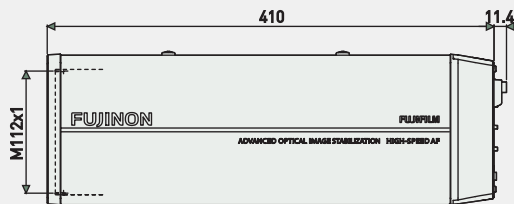
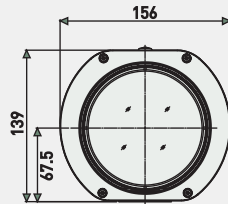
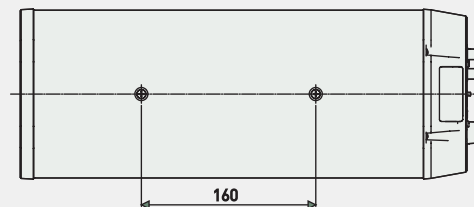
Unique  
long-range  
surveillance  
camera

# FUJIFILM

## MAIN FEATURES

- Optical zoom: 40x (digital 1.25x)
- Focal length: 20mm – 800mm
- High sensitive sensor and advanced noise reduction in low light conditions
- New image stabilization system combines optical and electronic stabilization technologies
- High-speed Autofocus focusses in less than one second
- De-fog function
- Heat haze removal
- Robust construction and new design with advanced rigidity

# FUJIFILM SX800 - TECHNICAL SPECIFICATIONS





## LENS

Optical zoom: 40x

Digital zoom: 1.25x

Focal length: 20mm – 800mm

Maximum aperture ratio 1:4 (20mm), 1:7.4 (800mm)

Minimum object distance (M.O.D) from the front lens:

10m (20–400mm in focal length)

20m (401–800mm in focal length)

Angle of view [16:9 (H x V) ]

20mm 21.0° x 11.8°

800mm 0.55° x 0.31°

## CAMERA

Effective sensor size: 1/1.8

Minimum illumination Color:

0.00015lux (at F1.2) / 0.0017lux (at F4.0)

B/W: 0.0001lux (at F1.2) / 0.0011lux (at F4.0)

Focus settings: Continuous AF, Quick AF, Manual

Iris: Auto, Manual (Aperture range : F4 – F16)

Shutter speed:

Auto (with minimum speed selection of 1/8 – 1/125s),

Manual (1 – 1/20,000s)

Gain:

Manual, AGC, HYPER-AGC

(Setting range: ISO400 – 819200)

Optical filter: Visible Light Cut filter (ON / OFF)

Day / Night selection: Auto, Manual

Wavelengths selection: 950nm, 940nm, 850nm, 808nm, Visible light

Image stabilization: Auto, OIS, EIS, OFF

Wide dynamic range: Selectable (2 levels)

Back light correction: Selectable (2 levels)

Heat haze reduction: Selectable (3 levels)

Fog reduction: Selectable (3 levels)

Noise reduction: Selectable (3 levels)

Brightness: Selectable (21 levels)

Contrast: Selectable (5 levels)

Saturation: Selectable (5 levels)

## CAMERA

Sharpness: Selectable (5 levels)

White balance:

Auto, Custom 1 – 2, Fine, Shade, Color

Temperature (3000K, 5000K, 9000K)

Video output systems: NTSC, PAL

Video format: NTSC: 1080p, 720p, 480p/PAL: 1080p, 720p, 576p

Video output systems: HDMI, HD-SDI, Composite(BNC)

Audio input / output:

Input impedance: 40kΩ

Output impedance: 200Ω

External interfaces:

Ethernet(10Base -T, 100Base-TX, RJ45 connector), RS-485,

External trigger (Day / Night)

Recording format:

File recording format : MOV

Compression format: H.264 compliant

Audio recording format: Linear PCM stereo (48kHz sampling)

RS-485 compatible protocol: Pelco-D / Pelco-P (including extended commands)

Power source: DC12V

Power consumption: 9.5W

Supported SD card (SDHC/SDXC):

UHS-1-compatible 8GB+

SD Speed Class 10 or above

## NETWORK

Network protocols:

ICMP, ARP,TCP/IP, UDP/IP, HTTP, HTTPS

FTP, SMTP, DHCP, DNS, NTP, SSL/TLS

Supported OS: Windows 7/10

Supported browser: Chrome71+, IE11

ONVIF support: Yes (Profile S)

Maximum number of connections: 13 (simultaneously connected users)

## MISCELLANEOUS

Size (H x W x L): 139mm x 156mm x 410mm

Weight: 6.4kg

Filter thread size: M112 x 1mm

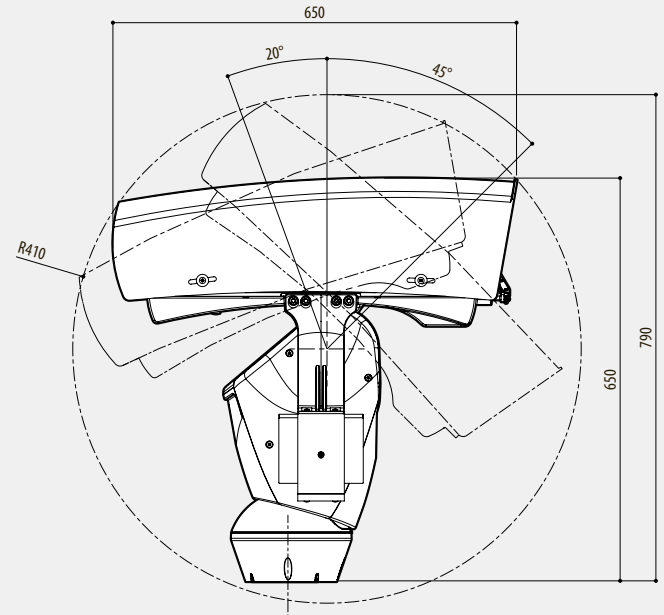
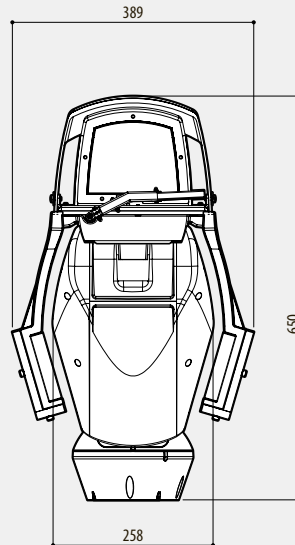
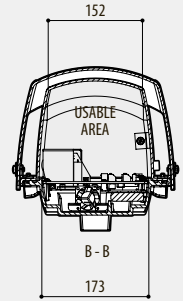
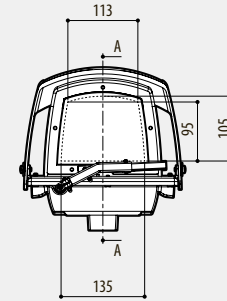
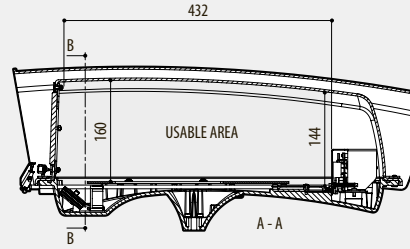
Operating environment Temperature : -10°C- +50°C

Humidity: 10% – 80% (no condensation)

Tilt limit: 45 degrees upward – 45 degrees downward



# ULISSE MAXI - TECHNICAL SPECIFICATIONS



## MAIN FEATURE

Weatherproof housing for large-size lenses  
Camera and lens maximum allowed weight of 7.6kg (17lb)  
For Network cameras compatible with ONVIF protocol, Profile S, or equipped with RS485 serial port  
Direct access to camera web pages via VT Tunneling  
Autopan, Preset, Patrol  
Variable speed: from 0.02°/s up to 20°/s Pan and Tilt  
Horizontal continuous rotation, vertical: from +45° up to -20°  
Optical sensors for absolute positioning feedback  
Position accuracy: 0.02°  
Up to 250 Presets  
Integrated wiper  
Total control of the auxiliary functions through the Videotec PTZ ASSISTANT  
Operating temperature: from -10°C (14°F) up to +60°C (140°F)  
Power supply: 230Vac, 24Vac or 120Vac  
Options:  
• Germanium window for thermal cameras  
• Prearrangement for mounting of two UPTIRN LED illuminators

## GENERAL

Top mount (OTT)  
Transmission through toothed belt  
Slip-ring  
Electronic limit switches  
Simplified installation thanks to the connector and easy replacement on-site  
Zero backlash  
Max weight camera+lens: 7.6kg (17lb)  
Encoder for absolute positioning  
Configuration of telemetry protocol parameters through dip-switch for RS-485A

## MECHANICAL

Constructed from aluminium and tecnopolymer  
Epoxy polyester powder painting, RAL9002 colour  
Horizontal rotation: 360°, continuous rotation  
Vertical rotation: from -20° up to +45°  
Horizontal speed (variable): from 0.02°/s up to 20°/s  
Tilt speed (variable): from 0.02°/s up to 20°/s  
Accuracy of preset positions: 0.02°  
Internal usable area: See drawings  
Cable glands: 3xM16  
Unit weight: 30kg (66lb)

## HOUSING'S WINDOW

Glass window extra clear  
• Dimensions: 112mm (4.4in)x95mm (3.7in)  
Germanium window  
• Usable diameter: 70mm (2.8in)  
• Thick: 2mm (0.08in)  
• External treatment: antiscratch (Hard Carbon Coating - DLC), antireflection  
• Internal treatment: antireflection  
• Spectral range: from 7.5µm up to 14µm  
• Medium transmittance (from 7.5µm up to 11.5µm): 90%  
• Medium transmittance (from 11.5µm up to 14µm): 77%

## NETWORK

Ethernet connection: IEEE 802.3 100Base-Tx  
ONVIF, Profile S

## ELECTRICAL

Suitable for use with network cameras  
Supply voltage/Current consumption:  
• 230Vac, 0.4A, 50/60Hz  
• 24Vac, 4A (8A, with LED illuminators), 50/60Hz  
• 120Vac, 0.8A, 50/60Hz  
Power consumption:  
• 100W  
• 150-190W max with LED illuminators in 24Vac  
• 24W, P&T static, heating switched off  
Camera power supply: 12Vdc (800mA)  
4 self-powered alarm inputs  
2 dry contacts: 30Vdc max or 30Vac, 1A max

## ENVIRONMENT

For installation indoors and outdoors  
Operating temperature (with heater):  
from -10°C (14°F) up to +60°C (140°F)  
Relative humidity: from 10% up to 95% (no condensation)

## CERTIFICATIONS

Electrical safety (CE): EN60950-1  
Electromagnetic compatibility (CE): EN50130-4, EN55022 (Class A), FCC Part 15 (Class A)  
Outdoor installation: EN60950-22  
Photobiological safety (CE): EN62471 (LED illuminators)  
IP protection degree (EN60529):  
• IP66  
Salty fog resistance: EN50130-5, EN60068-2-52  
EAC certification



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