



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, harbour ports 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

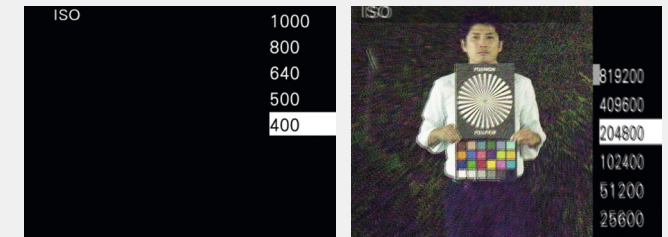
Image stabilization



Fog reduction OFF

Fog reduction ON

Fog reduction



ISO 400

ISO 204800

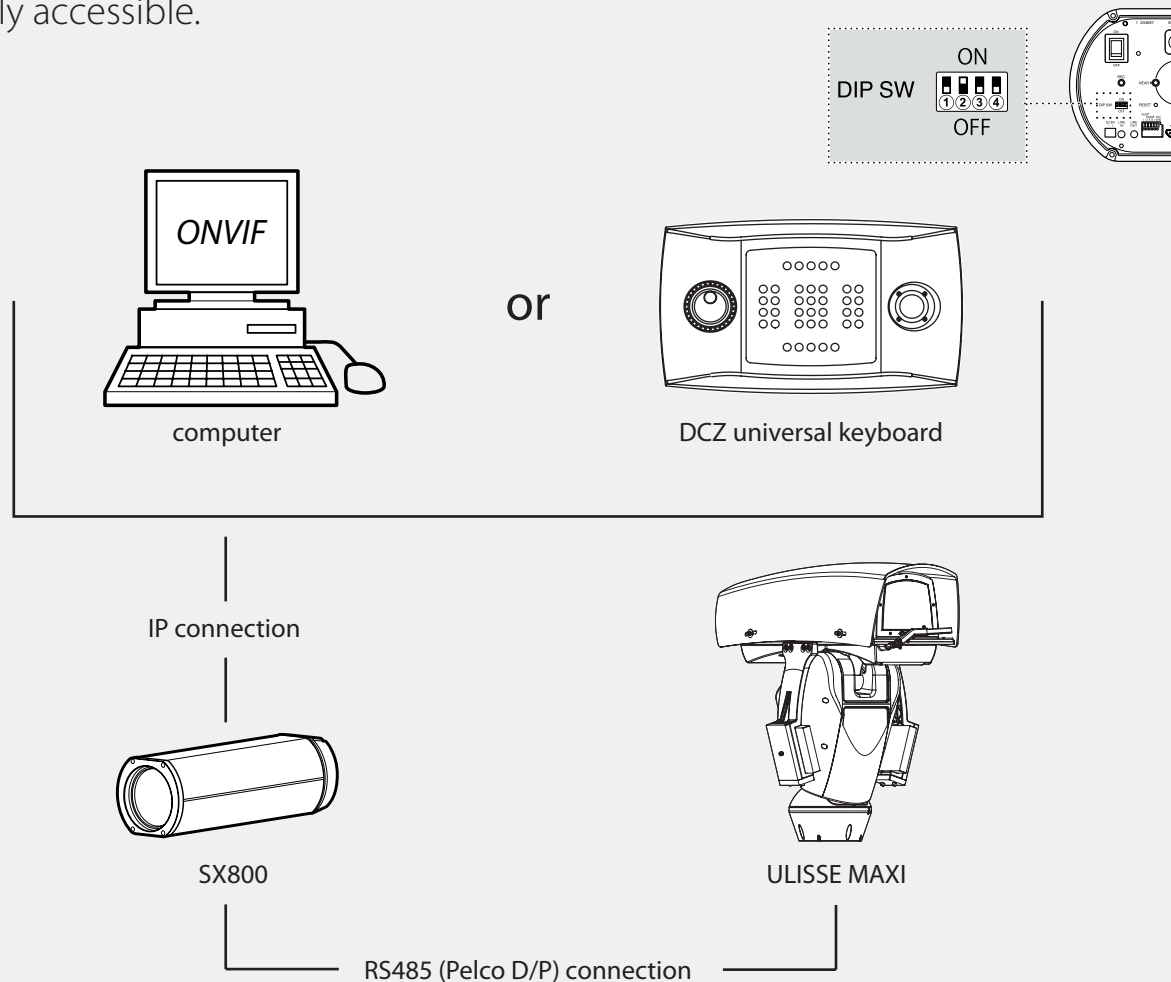
Low-light conditions

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

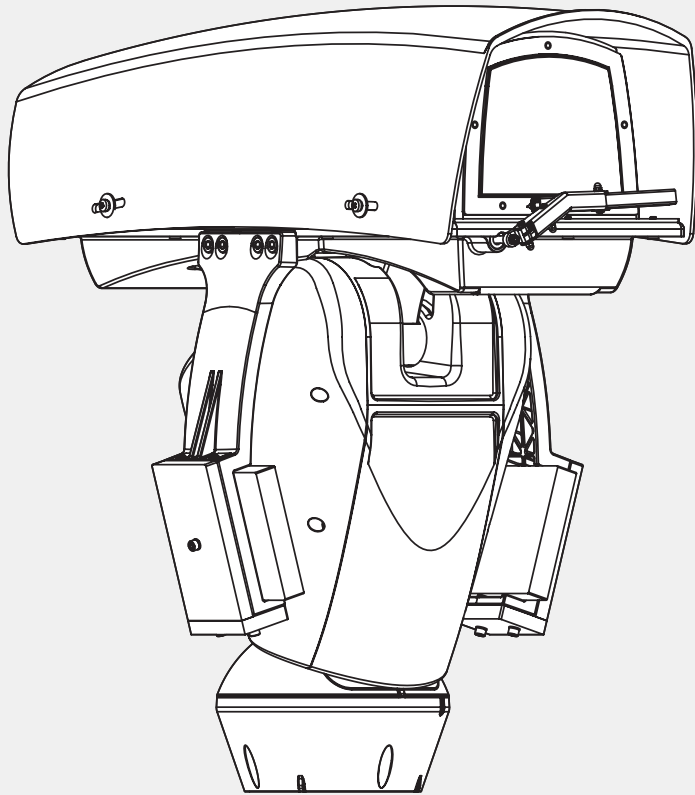


Industries

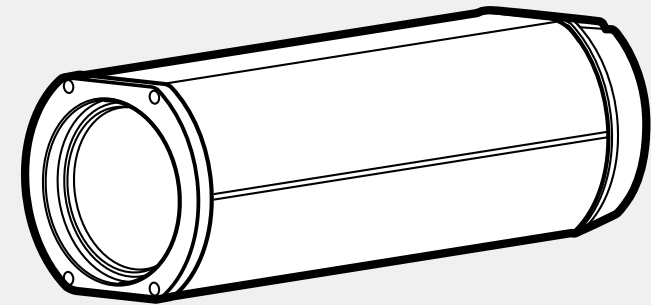


Environment

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 from PC or keyboard and ONVIF 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 IP video surveillance, which can manage modern IP SD, HD and Megapixel cameras, with integration into a network system via ONVIF Protocol Profile S-

This model 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 dynamic, non-stop surveillance of large outdoor areas whilst withstanding harsh weather conditions.

This way a single unit can provide a 360° coverage of the area to be monitored.

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

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

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

The ULISSE MAXI is supplied with a wiper for removing rain and dust from the front glass; there is a wide selection of washing tanks with pump with different capacities and heads.

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° up 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) up 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.



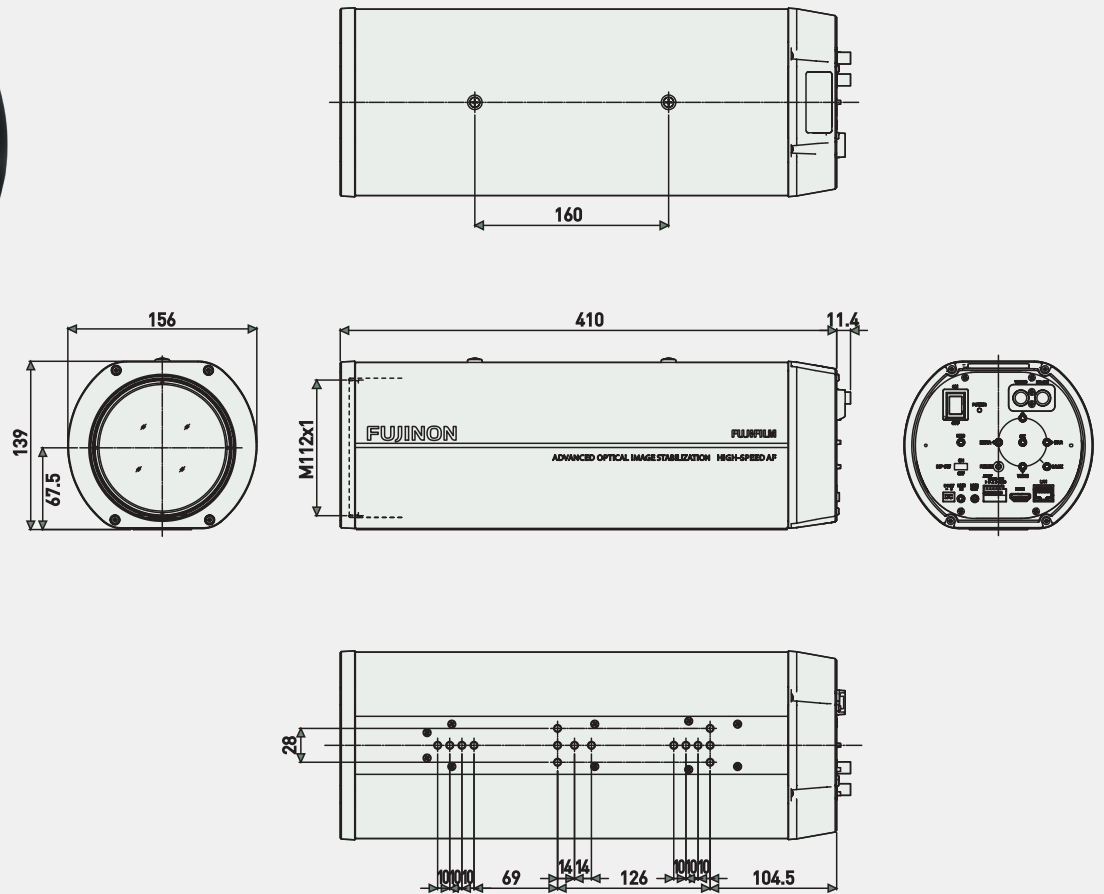
Unique
long-range
surveillance
camera

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 stabilisation 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

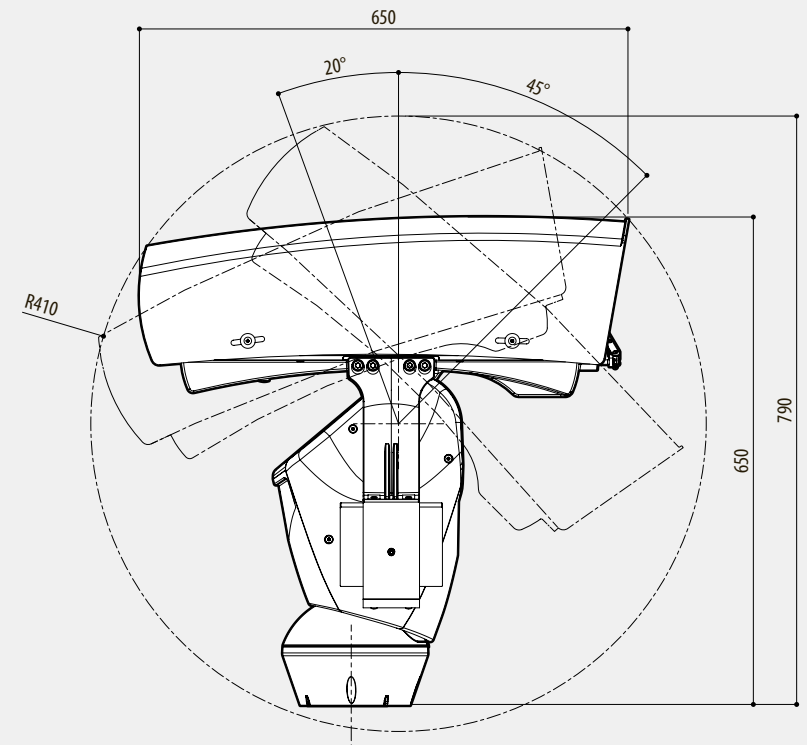
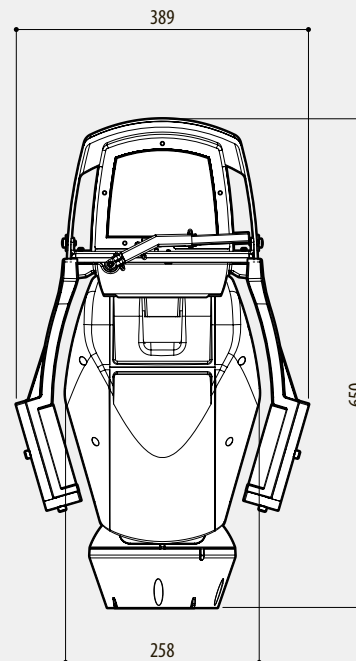
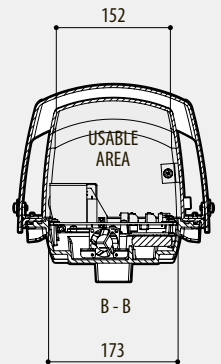
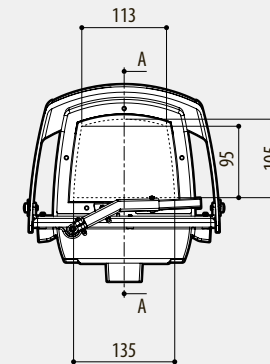
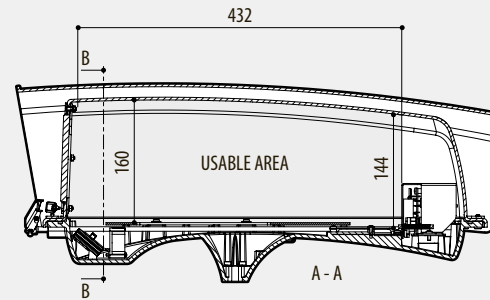
Operating environment Temperature : -10°C- +50°C

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
Epoxypolyester 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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