ULISSE THERMAL

POSITIONING UNIT WITH GERMANIUM GLASS FOR THERMAL CAMERAS

REVISIONE 0945

MAIN FEATURES

- Germanium glass window
- Integrated housing, P&T head and telemetry receiver
- Continuous rotation
- Variable speed: 0.1°-100°/s Pan and 0.1°-40°/s Tilt
- Configuration through OSD (On Screen Display)
- Multiprotocol
- IP66

ULISSE THERMAL

DESCRIPTION

The ULISSE with Germanium glass has been developed for applications with thermal cameras. The clear Germanium glass composition with remarkable properties covers transmission from 7.5 to 14µm IR range with the best optical quality. The positioning unit can be used in several kinds of installations, such as: fire monitoring and rescue, public safety, intruder monitoring (harbour, airport, dam, river), industrial monitoring, environment monitoring, military purposes, marine (port and harbour surveillance, vessel navigation), night vision security surveillance, etc.

The ULISSE positioning system integrates a high performance P&T head with camera housing and telemetry receiver. The rotation on the horizontal axis is continuous with a variable speed up to 100°/s while the amplitude on the vertical axis varies from +90° to -40° with a max speed of 40°/s.

ULISSE controls the functions of autopan and patrol with a tracking accuracy of 0.02° on preset positions upon recall. Preset positioning and zoned areas can be labelled with a maximum of 20 characters.

Patrol sequences can also be varied with different speed settings in order to customize a perfect patrol pattern.

4 local alarm inputs and 2 relay outputs allow for intelligent local action on alarm, such as a scanning to a specific preset or a patrol sequence.

It is equipped with thermostatically controlled heater and sunshield assuring an optimal operating temperature.

In addition to the OSD set-up, the system is equipped with an RS232 interface allowing the possibility to update to the latest firmware version. The positioning system is controlled through a RS485/RS422. The telemetry signal can be transmitted in an active way for chain configuration of several ULISSE units together.

Multiple communication protocols are embedded.

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AVAILABLE MODELS

Code	Sunshield	Power supply 230Vac	Power supply 24Vac	Integrated MPEG4 video server	Ø Germanium Glass
UPT1SVGA000C	•	•			55mm
UPT2SVGA000C	•		•		55mm
UPT1SVGAX00C	•	•		•	55mm
UPT2SVGAX00C	•		•	•	55mm

TECHNICAL DATA

GENERAL

Germanium glass window
Built-in aluminium and ABS
Epoxypolyester powder painting, RAL9002 colour
Top mount (OTT)
Transmission through toothed belt
Slip-ring
Electronic limit switches
Plug installation thanks to connector and easy replacement on-site
Zero backlash
Supplied with instruction manual

MECHANICAL

3 cable glands M16
Horizontal continuous rotation
Vertical rotation +90° to -40°
Variable pan speed: from 0.1° up to 100°/s
Variable tilt speed: from 0.1° up to 40°/s
Internal usable area: see drawings
Preset accuracy: 0.02°

GERMANIUM GLASS WINDOW

2mm (0.07in) thick, Ø 70mm (2.8in) external, Ø 55mm (2.1in) internal
External non-scratch treatment (hard carbon coating)
Internal antireflection treatment
Spectral range from 7.5 to 14µm IR range
Average transmission from 7.5 to 11.5µm, 94%
Average transmission from 11.5 to 14µm, 90%

ELECTRICAL/VIDEO

Input voltage:
- 230Vac, 50/60Hz, 100W
- 24Vac, 50/60Hz, 100W

Absorbed current:
- 230Vac, 0.4A
- 24Vac, 4A

Dimensions of input cables: AWG 16-19
Dimensions of signal cables: AWG 20-26
Housing standard heater 24Vac, 20W max
Camera output: 12Vdc, 800mA
Lens output: 6-15Vdc, max 200mA
Only polarity inversion lenses
Autopan, Preset, Patrol
250 max preset selectable (VIDEOTEC Macro Protocol)
20 characters string for Area and Preset titling
Use only cameras with composite video output 1Vpp-750hm

COMMUNICATIONS

Configuration through OSD
RS232 interface for PC control set-up and firmware upgrade
Two RS485 ports for daisy chain configuration
Addressable through dip-switch up 255 units

PROTOCOLS

AMERICAN DYNAMICS
MACRO
PELCO D
VISTA

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

ENVIRONMENT

Indoor / Outdoor
Operating temperature with heater. -20°C / +60°C (-4°F / +140°F)
Wind resistance
- Operational up to 160km/h (100mph)
- Withstands up to 210km/h (130mph)

Resistant to salty fog (EN50130-5 and EN60068-2-52)
Improved surge immunity: up to 2KV line to line, up to 4KV line to earth (Class 4), to achieve a better protection against lightning

CERTIFICATIONS

CE EN60950-1, EN61000-6-3 and EN50130-4
FCC part 15
IP66 EN60529

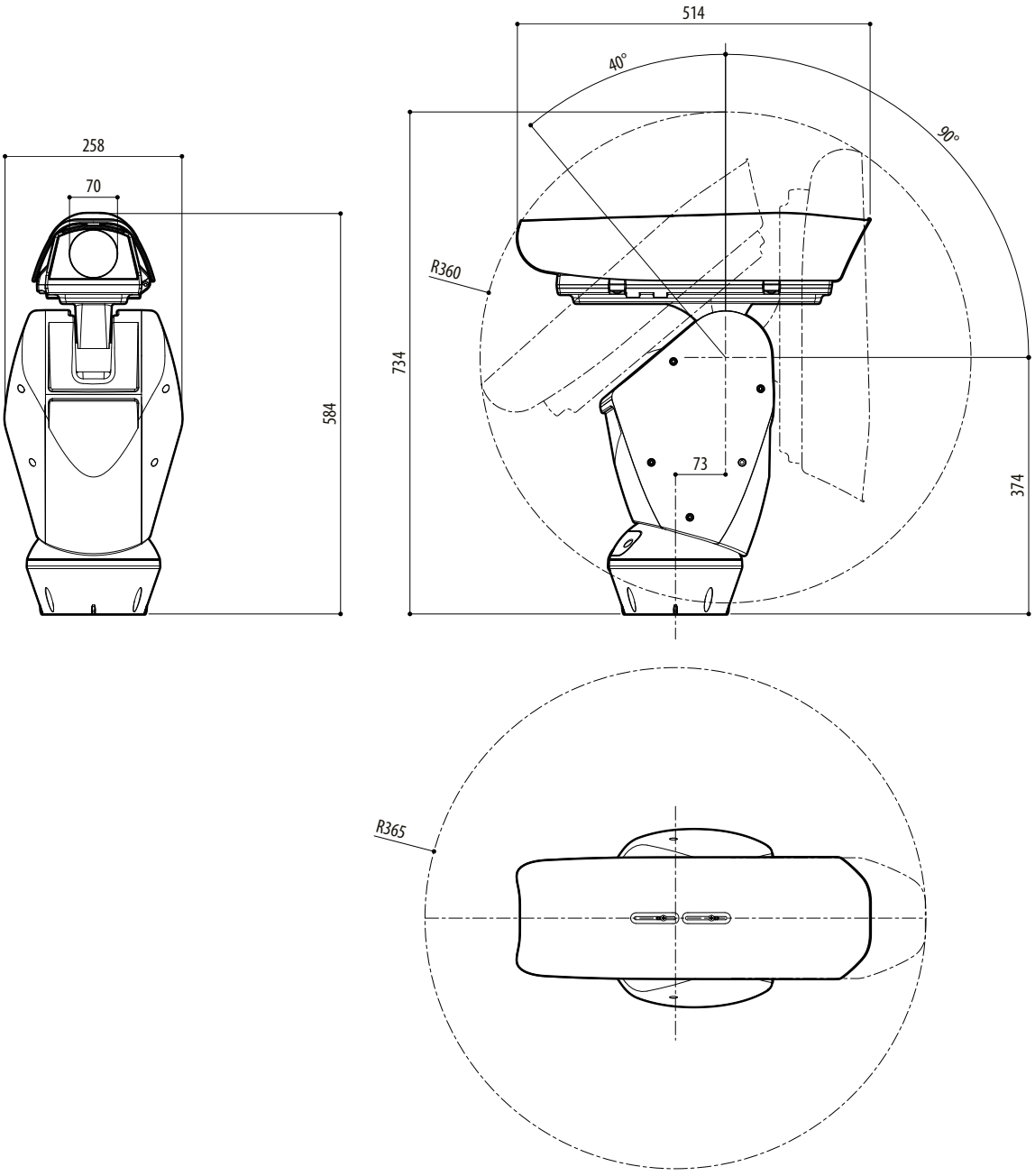
BRACKETS AND ADAPTORS

UPTWBA	Wall bracket with internal cable channel
UPTWBTA	Parapet bracket with internal cable channel
PTCC1	Pole mount adapter for UPTWBA
WCWGC	Corner adapter for UPTWBA

RELATED PRODUCTS

ALBERT	Unit for the intelligent digital video content analysis
SM42B-SM82B	Matrix 4/8 inputs and 2 outputs
SM84B-SM164B	Matrix 8/16 inputs and 4 outputs
SM328B	Matrix 32 inputs and 8 outputs
DCJ	Keyboard to control matrix, multiplexers and telemetry equipped with three axis joystick
DCT	Touch screen keyboard to control matrix, multiplexers, DVRs and telemetry equipped with three axis joystick

ULISSE THERMAL



ULISSE THERMAL

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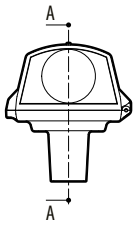
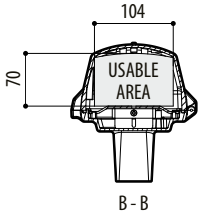
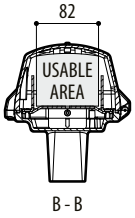
PACKAGE							
Code	Unit weight		Package weight		Package dimensions (WxHxL)		Master carton
	kg	lb	kg	lb	cm	in	unit
UPT1SVGA000C	16.3	35.9	19.5	43.0	66.0x33.0x57.0	26.0x13.0x22.5	-

ULISSE THERMAL

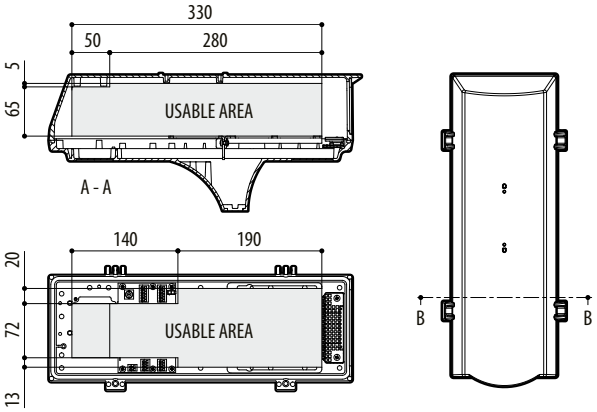


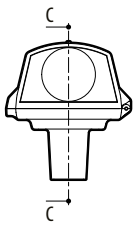


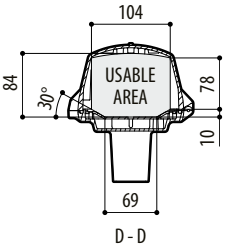
SLIDE IN STANDARD POSITION



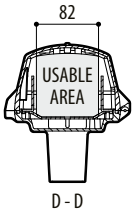
SLIDE IN STANDARD POSITION, REINFORCED HEATER



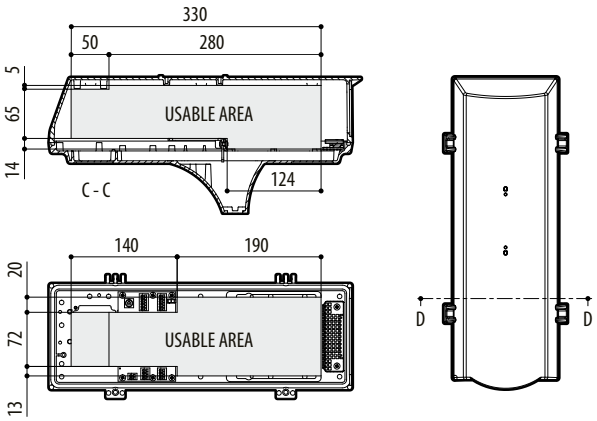




REVERSED SLIDE



SLIDE IN REVERSED SLIDE, REINFORCED HEATER



HOUSING

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