

# TECNOVIDEO

CCTV SYSTEMS AND ACCESSORIES

## EXPTZDUAL SERIES

STAINLESS STEEL PTZ DUAL CAMERA HOUSING

HAZARDOUS AREA

- ATEX/IECEX/UKCA/INMETRO DUAL PTZ FOR HAZARDOUS LOCATIONS
- AISI316L STAINLESS STEEL CONSTRUCTION
- AVAILABLE FOR CUSTOMER SPECIFIED IP VISIBLE AND THERMAL CAMERAS
- -40°C +60°C (+75°C PEAK)
- OPTIONAL BUILT-IN FIBER MEDIA CONVERTER
- OPTIONAL BUILT-IN 115VAC or 230VAC POWER SUPPLY
- THERMAL WINDOW AVAILABLE ALSO WITHOUT GRID (Tecnovideo Patent)
- H<sub>2</sub>-READY



## TECHNICAL SPECIFICATIONS

### GENERAL & MECHANICAL

|                       |                                                    |
|-----------------------|----------------------------------------------------|
| Dimensions            | See drawings next page                             |
| Operating Temperature | -40° +60°C, +75°C peak (-40°F +140°F, +167°F peak) |
| Construction          | AISI316L Stainless Steel                           |
| Finish                | Electro-polished                                   |
| Mounting              | 4x Ø11 on 195 PCD                                  |
| Cable entries         | 1x M25x1,5 cable entry                             |
| Wiper                 | Yes                                                |
| Pan Angle             | 360° continuous rotation                           |
| Pan Speed             | 0 – 36°/second                                     |
| Pan Torque            | 20Nm (limited with safety device)                  |
| Tilt Angle            | 180° (+/-90°)                                      |
| Tilt Speed            | 0 – 18°/second                                     |
| Tilt Torque           | 20Nm (limited with safety device)                  |
| Rotation angle        | Electronically adjustable                          |
| Backlash              | <0,1°                                              |
| Max preset accuracy   | 0.04°                                              |
| Control protocol      | Pelco D (via RS485)                                |
| Weight                | Unit: 47kg / Gross weight: 52,5kg                  |

### ELECTRICAL

|                                    |                                           |
|------------------------------------|-------------------------------------------|
| Thermostatically controlled heater | T[°C] ON = 12 ± 4°C, T[°C] OFF = 20 ± 3°C |
| Supply voltage                     | 24VAC, 115VAC, 230VAC (+/-10%)            |
| Power consumption                  | 120W MAX                                  |

### CERTIFICATIONS

|                           |                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ingress Protection Rating | EN 60529 (IP66/IP67)<br>Ⓔ II 2 G Ex db op pr IIC T6 Gb -40°C ≤ Tamb ≤ +60°C<br>Ⓔ II 2 D Ex tb IIIC T85°C Db -40°C ≤ Tamb ≤ +60°C<br>Ⓔ II 2 G Ex db op pr IIB T5 Gb -40°C ≤ Tamb ≤ +75°C<br>Ⓔ II 2 D Ex tb IIIC T100°C Db -40°C ≤ Tamb ≤ +75°C |
| ATEX Standards            | EN 60079-0; EN 60079-1; EN 60079-28; EN 60079-31                                                                                                                                                                                              |
| IECEX Standards           | IEC 60079-0; IEC 60079-1; IEC 60079-28; IEC 60079-31                                                                                                                                                                                          |
| EMC                       | EN 50130-4; EN 55035 ; EN/IEC 61000-6-2 ; EN/IEC 61000-6-4                                                                                                                                                                                    |
| LVD                       | EN 60950-1; EN 60950-22                                                                                                                                                                                                                       |
| RoHS                      | 2011/65/EU + 2015/863/EU (RoHS 3)                                                                                                                                                                                                             |
| WEEE                      | 2012/19/EU                                                                                                                                                                                                                                    |

### MODELS

|                  |                                                            |
|------------------|------------------------------------------------------------|
| EXPTZDUAL-CR/24  | Dual PTZ housing for Day/Night and Thermal cameras, 24VAC  |
| EXPTZDUAL-CR/115 | Dual PTZ housing for Day/Night and Thermal cameras, 115VAC |
| EXPTZDUAL-CR/230 | Dual PTZ housing for Day/Night and Thermal cameras, 230VAC |

All the above PTZ models include sunshield and heater, a built-in telemetry receiver, variable speed motors, fixed cable entry 1x M25x1,5 on a base mount junction box.

Available upon request: Built-in Fiber Media Converter

### PRE-ASSEMBLED CABLE TAILS

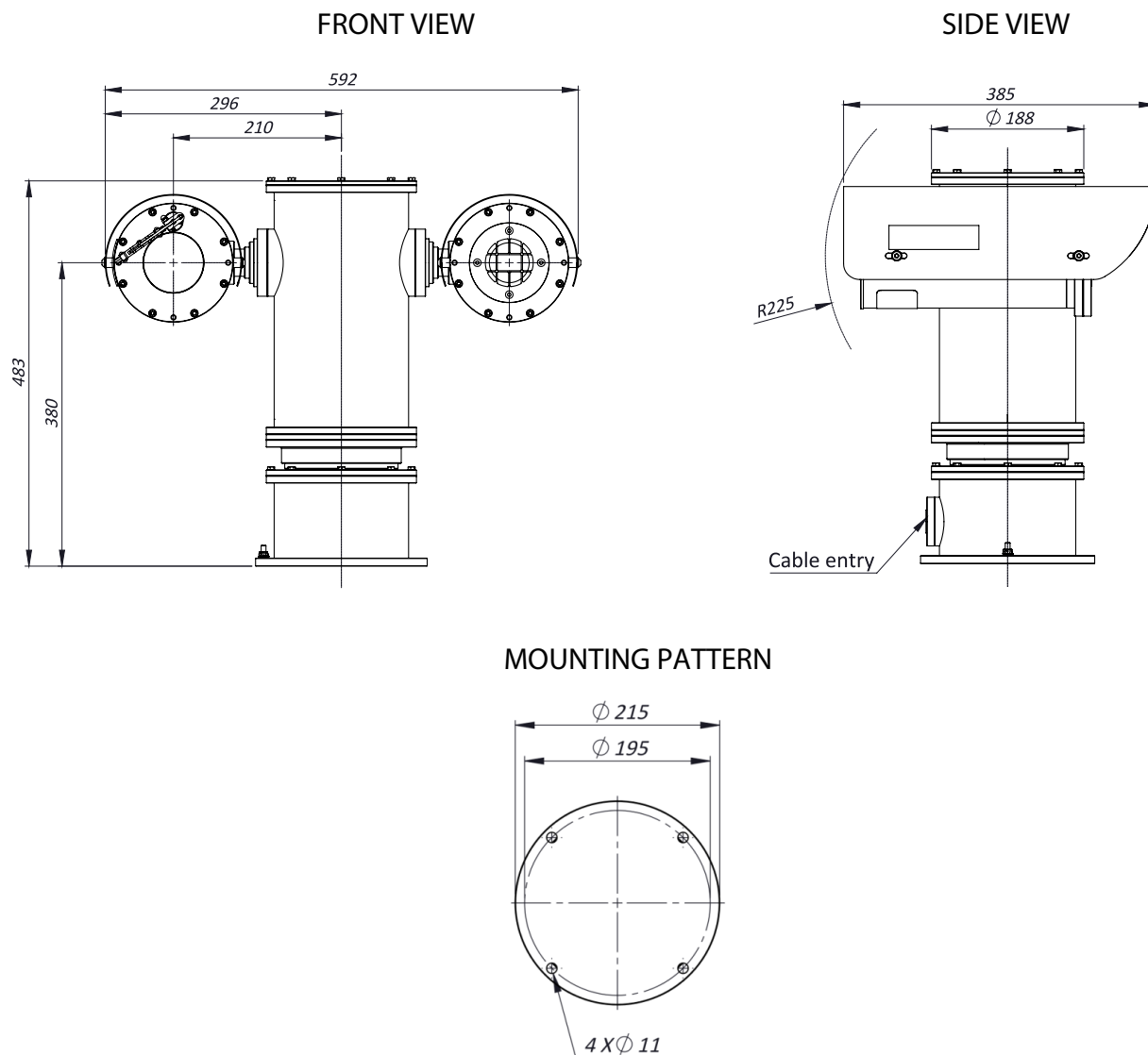
|             |                                                                                                                                                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| EXACCTF3-B  | 3 meters armoured composite cable tail (power, Ethernet, data) with 2x M25 barrier nickel plated brass glands. For PTZ camera.                            |
| EXACCTF3-D  | 3 meters armoured composite cable tail (power, data, fiber optic) with 2x M25 barrier nickel plated brass glands. Fiber termination: SC. For PTZ camera.  |
| EXACCTF5-B  | 5 meters armoured composite cable tail (power, Ethernet, data) with 2x M25 barrier nickel plated brass glands. For PTZ camera.                            |
| EXACCTF5-D  | 5 meters armoured composite cable tail (power, data, fiber optic) with 2x M25 barrier nickel plated brass glands. Fiber termination: SC. For PTZ camera.  |
| EXACCTF10-B | 10 meters armoured composite cable tail (power, Ethernet, data) with 2x M25 barrier nickel plated brass glands. For PTZ camera.                           |
| EXACCTF10-D | 10 meters armoured composite cable tail (power, data, fiber optic) with 2x M25 barrier nickel plated brass glands. Fiber termination: SC. For PTZ camera. |

### ACCESSORIES

|        |                       |
|--------|-----------------------|
| SSBK-L | Wall mounting bracket |
|--------|-----------------------|

## STAINLESS STEEL PTZ DUAL CAMERA HOUSING

### DIMENSIONS



*The unit cannot be installed upside-down nor horizontally*

### MAX EXTERNAL LENGTH

| Model            | L1 [mm] Height | L2 [mm] Width |
|------------------|----------------|---------------|
| EXPTZDUAL-CR/24  | 483            | 592           |
| EXPTZDUAL-CR/115 | 483            | 592           |
| EXPTZDUAL-CR/230 | 483            | 592           |

### MAX INTERNAL AVAILABLE DIMENSIONS

| Model              | Max internal dimensions [mm] | Max usable internal diameter [mm] |
|--------------------|------------------------------|-----------------------------------|
| EXPTZD (Day/Night) | 80x80x145                    | 90                                |
| EXPTZD (Thermal)   | 80x80x160                    | 95                                |

*Please contact us if bigger cameras/zoom lenses are needed.*

*Please contact us in case the camera dimensions are near to the max internal usable dimension in order to develop a custom fitting solution.*