Waygate Technologies

a Baker Hughes business




# Everest Ca-Zoom HD

## Product catalog

# Everest Ca-Zoom HD product catalog

Introducing the Everest Ca-Zoom HD, Waygate Technologies' most advanced line of pan-tilt-zoom cameras, delivering the highest resolution images for thorough and accurate visual inspections.

We go beyond just cameras. To maximize your inspection efficiency and ensure crew safety, we offer a comprehensive range of cords and accessories designed for demanding environments.

Whether working in a vessel, mine, or nuclear reactor, our accessories empower skilled technicians to perform easier, safer, and more efficient inspections.



# Everest Ca-Zoom system kits

## Basic Kit

**System Case**
PTZ-ACC-CASE

**PTZ HD10 Camera Head**
PTZ-ACC-HD10-HEAD



## All other base items



**Control Pendant**
PTZ-ACC-PNDNT



**Pendant Cable**
PTZ-ACC-PNDNT-C5M



**Camera Controller**
PTZ-ACC-CCU



**Tool Box**
PTZ-ACC-TOOLBOX



**Power Module**
PTZ-ACC-CORD



**Pole Mount**
PTZ-ACC-POLEMNT




**PTZ HD30 Camera Head**
PTZ-ACC-HD30-HEAD



## With Cables

**10M Cable for HD10 and HD30**
PTZ-ACC-C10M



# Everest Ca-Zoom HD kits

| | HD30 Camera head | HD10 Camera head | HD30 + HD10 Camera heads |
|---|---|---|---|
| With camera cable |  **PTZ-SYS-HD30-C** Ca-Zoom HD PTZ30 kit |  **PTZ-SYS-HD10-C** Ca-Zoom HD PTZ10 |  **PTZ-SYS-HD30-10-C** Ca-Zoom HD PTZ30 + PTZ10 kit |
| Order your own camera cable |  **PTZ-SYS-HD30** Ca-Zoom HD PTZ30 kit w/o cable |  **PTZ-SYS-HD10** Ca-Zoom HD PTZ10 w/o cable |  **PTZ-SYS-HD30-10** Ca-Zoom HD PTZ30 + PTZ10 kit w/o cable |

## Camera heads

| | Part number | Component | Description |
|---|---|---|---|
|  | **PTZ-ACC-HD30-HEAD** | PTZ HD30 inspection camera head | HD Inspection Camera PTZ HD30<br>• 30x optical zoom/12x digital zoom<br>• 1920 x 1080 Full-HD resolution<br>• 4x integrated LED (2980 lm total)<br>• Focal Length Range 4.3mm (1.7") to 129mm (5.08")<br>• Field of view: 63.7 degree (wide end) to 2.3 degree (tele end)<br>• Minimum Focus distance: 10mm at optical wide end<br>• De-fog and white balance feature<br>• Continuous 360° pan/338° tilt<br>• Clutch protection for pan & tilt<br>• Anodized aluminium body<br>• Operating temperature 0°C (32°F) to 50°C (122°F)<br>• Ingress protection IP68, waterproof to 50m (164ft) with internal pressurization to max 2.5 bar<br>• Dimensions: length 247mm (9.72in), diameter 129mm (5.08in), minimum opening 130 mm (5.12in)<br>• Integrated parallel line lasers for size estimation<br>• Weight 3.5kg<br>• Radiation tolerance 20 Gy/h (2000 rad/h), cumulative dose 420 Gy (42000 rad)<br>• Allen key set and microfiber cloth included |
|  | **PTZ-ACC-HD10-HEAD** | PTZ HD10 inspection camera head | HD Inspection Camera PTZ HD10<br>• 10x optical zoom/16x digital zoom<br>• 1920 x 1080 Full-HD resolution<br>• 2x integrated LED strips (1400 lm total)<br>• Focal Length Range 3.3mm to 33.0mm<br>• Field of view: 58.2 degree (wide end) to 6.9 degree (tele end)<br>• Minimum Focus distance: 10mm (wide end) to 800mm (tele end)<br>• De-fog and white balance feature<br>• Continuous 360° pan/314° tilt<br>• Clutch protection for pan & tilt<br>• Anodized aluminium body<br>• Operating temperature 0°C (32°F) to 45°C (113°F)<br>• Ingress protection IP68, waterproof to 50m (164ft) with internal pressurization to max 2.5 bar<br>• Dimensions: length 230mm (9.06in), diameter 60mm (2.36in), minimum opening 62 mm (2.5in)<br>• Weight 1.5kg (1.1lbs)<br>• Radiation tolerance 51 Gy/h (5110 rad/h), cumulative dose 192 Gy (19160 rad) |

| | Part number | Component | Description |
|---|---|---|---|
|  | **PTZ-HD30-SS** | PTZ HD30 inspection camera head (Stainless Steel) | HD Inspection Camera PTZ HD30<br>• 30x optical zoom/12x digital zoom<br>• 1920 x 1080 Full-HD resolution<br>• 4x integrated LED (2980 lm total)<br>• Focal Length Range 4.3mm (1.7") to 129mm (5.08")<br>• Field of view: 63.7 degree (wide end) to 2.3 degree (tele end)<br>• Minimum Focus distance: 10mm at optical wide end<br>• De-fog and white balance feature<br>• Continuous 360° pan/338° tilt<br>• Clutch protection for pan & tilt<br>• Stainless Steel body<br>• Operating temperature 0°C (32°F) to 50°C (122°F)<br>• Ingress protection IP68, waterproof to 50m (164ft) with internal pressurization to max 2.5 bar<br>• Dimensions: length 247mm (9.72in), diameter 129mm (5.08in), minimum opening 130 mm (5.12in)<br>• Integrated parallel line lasers for size estimation<br>• Weight 4.8kg<br>• Radiation tolerance 20 Gy/h (2000 rad/h), cumulative dose 420 Gy (42000 rad)<br>• Allen key set and microfiber cloth included |

## Pendant

| | | | |
|---|---|---|---|
|  | **PTZ-ACC-PNDNT** | Ca-Zoom HD Pendant | Ca-Zoom HD Control Pendant<br>• Screen: 10.1" WUXGA (1920x1200), 800cd/m², multitouch, glove firendly, stylus<br>• Specs: Intel Core i5, 8GB DDR3L SDRAM, 256GB SSD<br>• Control: hardware buttons for main functions (pan/tilt, zoom, light, capture, video record)<br>• Software: Windows IoT, Camera control application<br>• I/O: GBit Ethernet, 2x USB-A, HDMI<br>• AC adapter: 100–240VAC, 180W, 50–60Hz<br>• Four point shoulder harness<br>• Weight: 1.63kg |
|  | **PTZ-ACC-HRNS** | Ca-Zoom HD Pendant Shoulder Harness | Four Point Shoulder Harness for Ca-Zoom HD Control Pendant |

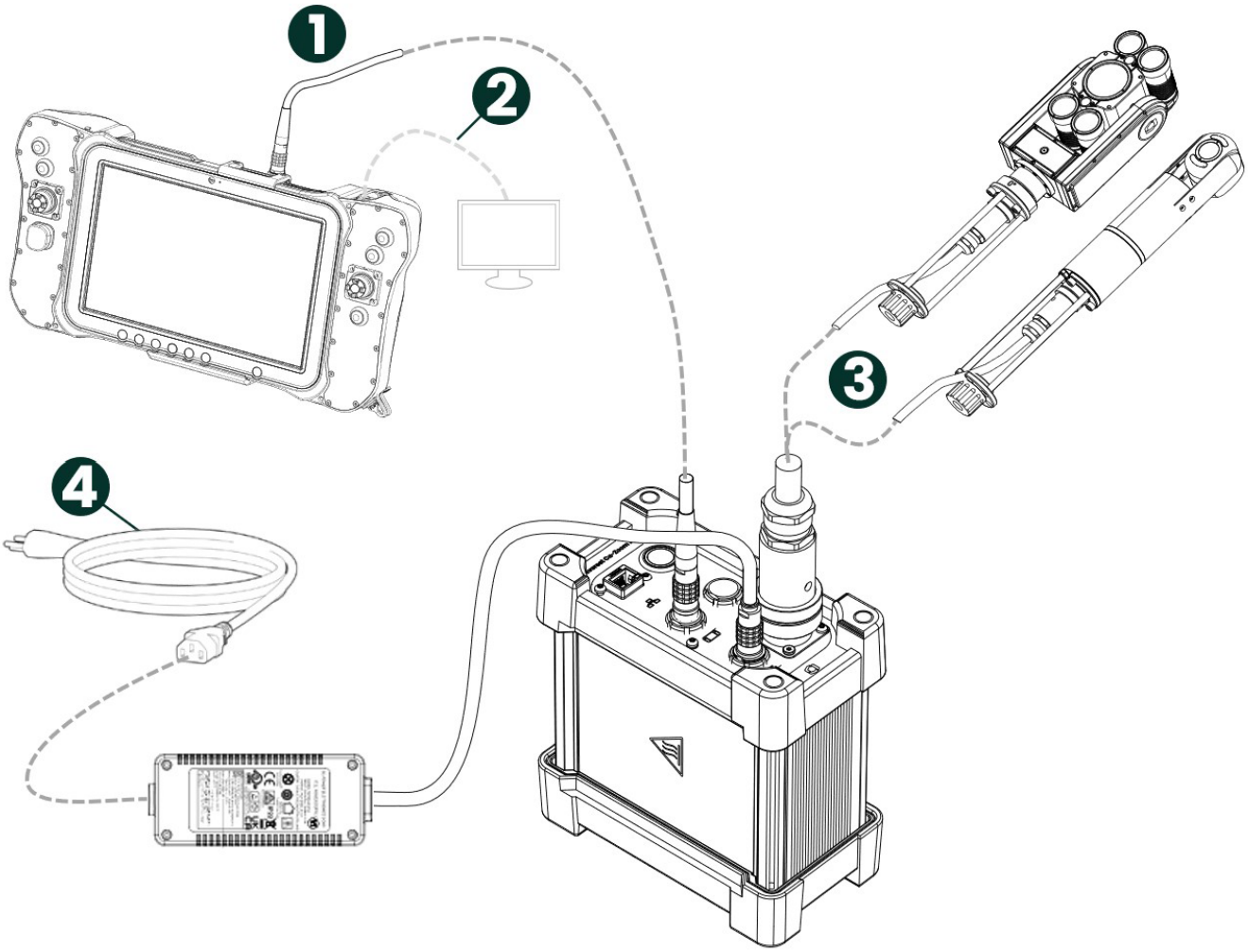
## CCU

| | | | |
|---|---|---|---|
|  | **PTZ-ACC-CTRLBOX** | Ca-Zoom HD cam controller | Ca-Zoom HD cam controller<br>• To connect PTZ HD30 & PTZ HD10 cameras to Pendant<br>• I/O: GBit Ethernet, Pendant connector, PTZ HD30 & PTZ HD10 connector<br>• AC adapter: 100-240VAC, 150W, 50-60Hz<br>• Weight: 1.3kg<br>• Dimensions: 167 x 164 x 90 mm (6.57 x 6.46 x 3.54 in) |

## Tool box

| | | | |
|---|---|---|---|
|  | **PTZ-ACC-TOOLBOX** | PTZ HD tool box | Tool box<br>• Allen keys for pole mount and pressurization valve<br>• Screws for pole mount<br>• Cloth for lens cleaning |

# Cord guide




| Number | Description | Part number |
|---|---|---|
| 1 | Pendant cable: | PTZ-ACC-PNDNT-C5M |
| 2 | HDMI cable (optional): | XA-HDMI |
| 3 | Camera Cable | PTZ-ACC-C10M, PTZ-ACC-C30M, PTZ-ACC-C70M |
| 4 | Power cable: | PTZ-ACC-CORD-EU, PTZ-ACC-CORD-UK, PTZ-ACC-CORD-US, PTZ-ACC-CORD-AUS |

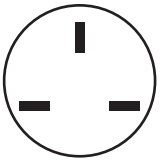
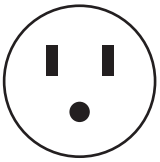
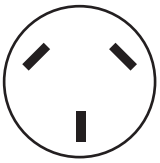
## PTZ HD30 and PTZ HD10

| | Part number | Component | Description |
|---|---|---|---|
|  | **PTZ-ACC-C10M** | PTZ HD30/HD10 - camera cable 10m/30ft | PTZ HD30/HD10 - Inspection camera cable 10m/30ft<br>• Weight: 2.1kg |
|  | **PTZ-ACC-C30M** | PTZ HD30/HD10 - camera cable 30m/100ft | PTZ HD30/HD10 - Inspection camera cable 30m/100ft on cable reel<br>• Weight: 7.1kg |
|  | **PTZ-ACC-C70M** | PTZ HD30/HD10 - Inspection camera cable 70m/230ft | PTZ HD30HD10 - Inspection camera cable 70m/230ft<br>• Cable reel with integrated slip ring to connect to interface box<br>• 65m camera cable/5m connecting cable<br>• Weight: 20.0kg |

## Pendant cable

| | | | |
|---|---|---|---|
|  | **PTZ-ACC-PNDNT-C5M** | Pendant cable 5m/16.5 ft | Pendant cable to connect Ca-Zoom HD Control box to Pendant 5m/16.5 ft |

## Power cables

| | Part number | Component | Description |
|---|---|---|---|
|  | **PTZ-ACC-CORD-EU** | Mains power cord C13 EU | Mains power cord C13 Type F/E<br>• Everywhere in Europe & Russia, except for the UK & Ireland |
|  | **PTZ-ACC-CORD-UK** | Mains power cord C13 UK | Mains power cord C13 Type G<br>• United Kingdom, Ireland, Malta, Malaysia, Singapore & the Arabian Peninsula |
|  | **PTZ-ACC-CORD-US** | Mains power cord C13 US | Mains power cord C13 Type B<br>• USA, Canada, Mexico & Japan |
|  | **PTZ-ACC-CORD-AUS** | Mains power cord C13 AUS | Mains power cord C13 Type I<br>• For Australia, New Zealand, China & Argentina |

## $CO_2$ pressurization

$CO_2$ pressurization kits are used to ensure sealing integrity and to offset the pressure difference, allowing the HD30 and HD10 to reach depths of 50m.

| | Part number | Component | Description |
|---|---|---|---|
|  | **PTZ-ACC-CO2PUMP** | $CO_2$ pressurization pump | $CO_2$ regulator pump for use with 16g $CO_2$ cartridges<br>• $CO_2$ cartridges not included |
|  | **PTZ-ACC-CO2-3PCS** | $CO_2$ Gas Cartridge 16g 3Pcs | Three $CO_2$ cartridges for camera head pressurization<br>• Each cartridge contains 16g |

## Case

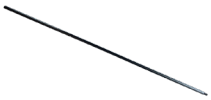
| | | | |
|---|---|---|---|
|  | **PTZ-ACC-CASE** | Ca-Zoom HD System case | Ca-Zoom HD System case<br>• Rugged hard shell case with foam cutouts for Ca-Zoom HD Pendant in the lid<br>• Foam insert for PTZ HD30 and PTZ HD10 cameras<br>• Foam cutouts in main compartment for Ca-Zoom HD cam controller, power supply, PTZ HD30/HD10 10m cable<br>• Outer dimension 690 x 380 x 358 mm (27.17 x 14.96 x 14.09 in)<br>• Small box for tools and spares |
|  | **PTZ-ACC-BKPK** | Ca-Zoom HD Backpack | Ca-Zoom HD Backpack<br>• Rugged hard shell with foam cutouts<br>• Cutouts for Pendant, Controller, Power supply<br>• Cutout for either PTZ HD30 or PTZ HD10 camera |
|  | **PTZ-MAT-HD10-UPGD** | Ca-Zoom HD PTZ HD10 upgrade | Ca-Zoom HD PTZ HD10 upgrade parts for existing PTZ HD30 kits<br>• PTZ HD10 camera head: 10x optical & 16x digital zoom, 1920 x 1080 Full-HD, adjustable LED lights, continous 360° pan / 314° tilt, IP68 to 50m, minimum opening 62 mm (2.5in), 1.5 kg<br>• Alternate tray insert for System transport case with foam cutout for the PTZ10 camera. Replaces slot for TZ1 camera.<br>• Updated Polemount for V4010 pole with reduced outer diameter to match 60mm of PTZ HD10 camera |

# Mounting

## Pole Mounts

| | Part number | Component | Description |
|---|---|---|---|
|  | **PTZ-ACC-POLEMNT** | PTZ HD30/HD10 - pole mount for V4010 pole | Stainless steel PTZ HD30/HD10 camera mounting to connect carbon fiber pole (V4010-1000/V4010-1003), including mounting screws. |

## Poles

| | | | |
|---|---|---|---|
|  | **V4010-1036** | Tripod ball joint w/6′ pole (X3) | Swivel tripod with spherical bushing, three 6′ (1.8M) carbon fiber poles and mounting hardware. Provides added benefit of pivoting the PTZ system in a manway access. (Includes PTZ pole hardware package part number PTZ-ACC-POLEMNT, which is a bracket and screws). |
|  | **V4010-1037** | Tripod w/ball joint - manway | Swivel tripod with spherical bushing Provides added stability and the benefit of pivoting the PTZ system in a manway access up to 36″ dia. Applications: Up vertical, Down vertical, Horizontal, and Manway. (Requires PTZ poles and PTZ-ACC-POLEMNT). |
|  | **V4010-1000** | Carbon fiber pole - 6′ section | Carbon fiber pole, 6′ (quantity 1 ea) … (same as swivel manway poles, can be used as NON-TELESCOPING poles for PTZ-ACC-POLEMNT). |
|  | **V4010-1003** | Carbon fiber pole - 3′ section | Carbon fiber pole, 3′ (quantity 1 ea) … (same as swivel manway poles, can be used as NON-TELESCOPING poles for PTZ-ACC-POLEMNT). |

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