
Waygate Technologies
a Baker Hughes business
PTZ HD10
PTZ HD30
TZ HD10
Everest
Ca-Zoom HD +
Transport Box
Everything you need for confident inspections. All in one box.
When you're performing complicated inspections, accuracy and convenience are everything. Meet the Ca-Zoom HD. With its new transport box, it's the alternative to lugging around two heavy pieces of equipment. Giving you power and convenience. All in one case.



Easy to handle

The handheld control pendant allows an inspector to move freely during the inspection, making accessing the inspection space easier and less logistic burden.

Superior image quality

The HD camera delivers crystal clear images in full HD resolution. With powerful, adjustable bright LEDs to lighten the darkness, even at great distances.

Simple operation

The all-in-one wheeled transport box makes traveling and setup at the inspection site easy. At 21 kilograms, the transport box is easily handled by one person and includes everything you need to perform the inspection.



Camera head specifications

	PTZ HD30	PTZ HD10
Resolution, Image sensor	Full HD (1920x1080), 1/2.8 CMOS, 2.38 MP	Full HD (1920x1080), 1/3 CMOS, 5.14 MP
Zoom	30x optical, 12x digital	10x optical, 12x digital
Field of view (in air)	63.7° wide-end - 2.3° tele-end	58.2° wide-end – 6.9° tele-end
Focal length	4.3 mm to 129 mm	3.3 mm to 33.0 mm
Minimum focus distance	10 mm (wide), 1200 mm (tele)	10 mm (wide) to 800 mm (tele)
Sensitivity	1.4 lx	0.1 lx
Pan	Continuous 360°	Continuous 360°
Tilt	338° (±169°)	314° (± 157°)
Illumination	4 LEDs, total 2980 lumen Brightness at 1m: 5200 lx, at 3m 650 lx	10 LEDs, total 1400 lumen Brightness: at 1m 234 lx, at 3m 28 lx
Light Control	Two LED pairs on-off + incremental control	On-off + incremental control
Dimensions (LxWxH)	246 mm x 117 mm x 113 mm (9.69" x 4.61" x 4.45")	230 mm x 60 mm x 60mm (9.06" x 2.36" x 2.36")
Minimum opening diameter	130 mm (5.11")	62 mm (2.44")
Weight	3.5 kg (7.72 lbs)	1.5 kg (3.31 lbs)
Operating temperature	0° C - 45° C (32° F - 113° F)	0° C - 45° C (32° F - 113° F)
Radiation Tolerance	Total dose (cumulative): 42,500 rad (425 Gy) Radiation tolerant: 2,000 rad/h (20 Gy/h)	Total dose (cumulative): 19,160 rad (192 Gy) Radiation Tolerant: 5,110 rad/h (51 Gy/h)
Ingress Protection	IP68, Waterproof to 50 m (when pressurized)	IP68, waterproof up to 50 m (when pressurized)
Cable options	10 m / 30 m / 70 m (33 ft / 100 ft / 230 ft)	10 m / 30 m / 70 m (33 ft / 100 ft / 230 ft)
Laser	Integrated parallel laser lines for sizing	N/a
Construction	Anodized aluminium + Stainless Steel	Anodized aluminium + Stainless Steel

Peripherals specifications

Control Box	
Power	External Power Adapter, 100-240V (47-63Hz), 150W
Dimensions (LxWxD)	165 mm x 90 mm x 175 mm (6.49" x 3.54" x 6.89")
Weight	1.64 kg (3.61 lbs)
Pendant Controller	
Computer	Intel Core i5-7300U, 8GB DDR3L SDRAM
Storage Capacity	SSD 256 GB (>6 hours video recording)
Screen	1920 x 1200, Bright rugged touchscreen, 800 cd/sqm
Dimensions (LxWxD)	400 x 200 x 95 mm (15.75" x 7.87" x 3.74")
Weight	2.02 kg (4.45 lbs)
Cable to Controller	5 m (16.4 ft) - pendant power and communication
Ingress Protection	IP65
Interfaces	2x USB A, RJ45 Ethernet, 1 HDMI
Battery Capacity	4080 mAh
Controls	Physical joysticks and buttons on each side for access of main functions, integrated active pen (stylus)
Packaging / Transport	
Hardshell Transport Box	690 mm x 380 mm x 358 mm (27.13" x 14.96" x 14.09"), 21 kg (46.3 lbs) Holds: PTZ HD30, PTZ HD10, 10m camera cable, controller, pendant with 5m cable, power adapter, CO2 pump and cartridges
Hardshell Backpack (optional)	542 mm x 402 mm x 220 mm (21.33" x 15.82" x 8.66"), 12.5 kg (27.5 lbs) Holds: Either PTZ HD30 or PTZ HD10, controller, pendant, power adapter, CO2 pump and cartridges, 10m camera cable strapped to outside
Options and Add-Ons	
Deployment Poles	6 ft and 3 ft threaded carbon fibre pole-segments, diameter 29 mm (1.14")
Ball Joint Flange Mount	Tripod with ball-joint swivel for carbon fibre poles
Pressurization Kit	2.5 bar pressurization pump with CO2 cartridges (for underwater use of PTZ HD30 + PTZ HD10 camera)

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BHCS39414 (05/2025)

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