



a Baker Hughes business

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 4 integrated LEDs deliver 2980 lumen of brightness 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 22 kilograms, the transport box is easily handled by one person and includes everything you do to perform the inspection.



Camera head specifications

	PTZ HD	TZ1
Resolution, Image sensor	Full HD (1920x1080), 1/2.8-type CMOS 2.38 MP	Full HD (1920x1080), 1/3-type CMOS 4.08 MP
Zoom	30x optical / 12x digital	10x optical
Field of view (in air)	63.7° wide-end - 2.3° tele-end	59.2° wide-end - 6.7° tele-end
Focal length	4.3 mm to 129 mm	3.3 mm to 33 mm
Minimum focus distance	10 mm (wide end), 1200 mm (tele end)	50 mm (wide end), 800 mm (tele end)
Sensitivity	1.4 lx	0.5 lx
Pan	continuous 360°	-
Tilt	338° (-169° to +169°)	227° (-104° to +123°)
Illumination	"4 LEDs total max. 2980 lumen Brightness at 1m: 5200 lx, at 3m 650 lx"	"2 spot-lights, 2 flood-lights, total max. 988 lumen Brightness: at 1m 1600 lx, at 3m 177 lx"
Light Control	two LED pairs on-off control	spot and flood individually controlled
Dimensions	(LxWxH) 246 mm x 117 mm x 113 mm (9.7" x 4.6" x 4.5")	(LxWxH) 125 mm x 66 mm x 72 mm (4.92" x 2.59" x 2.83")
Minimum opening diameter	130 mm (5.11")	98 mm (3.86")
Weight	3.5 kg (7.72 lbs)	0.74 kg (1.63 lbs)
Operating temperature	0° C ... 45°C (32°F ... 113°F)	0° C ... 40°C (32°F ... 104°F)
Radiation Tolerance	Visit website for details	Visit website for details
Ingress Protection	IP68, Waterproof to 50 m (when pressurized)	IP65
Cable options	10m / 30m / 70m (33 ft / 100 ft / 230 ft)	10m / 30m (33 ft / 100 ft)
Laser	Integrated parallel laser lines for sizing	Integrated parallel laser dots for sizing
Construction	Anodized aluminium	Anodized aluminium

Peripherals specifications

Control Box	
Power	External Power Adapter, 100-240V (47-63Hz), 150W
Dimensions	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	400 x 200 x 95 mm (15.75" x 7.87" x 3.74")
Weight	2.02 kg (4.45 lbs)
Cable to Controller	5m (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: PTZHD30 with 10m cable, TZ1 with 10m 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 PTZHD30 or TZ1, 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 PTZHD30 camera)