

CAMBOSS HD INSPECTION SYSTEMS

Specifications: CRAWLER

HD135 | HD145 | HD150

	DN 150 - 800	DN 150 - 900	DN 150 - 1000
Pipe diameter range	DN 150 - 800	DN 150 - 900	DN 150 - 1000
Drive type	4x4	6x6	6x6
Number / Power of Motors	1 motor 75W	2 motors 100W	2 motors 100W
Maneuverability	NO	YES	YES
Lifting arm type	Manual	Integ. el. arm, range 160mm	Electric pantograph
Compatibility with control units	HD PRO, HDBox PRO	HD PRO, HDBox PRO	HD PRO, HDBox PRO
Compatibility with camera heads	HD60, HD95	HD60, HD95	HD60, HD95
Compatibility with cable drums	HDR 150, HDR 300	HDR 150, HDR 300	HDR 150, HDR 300
Auxiliary lights	LED 18W	LED 18W	LED 18W
Automatic camera head centering in the pipe	NO	YES	YES
Self-leveling system (tip-over protection)	NO	YES	YES
Quick-release wheel system	YES	YES	YES

Control unit, camera head, cable drum available in two options:

CAMERA HEAD

HD60

	HD60	HD95
Resolution	FULL HD 1920x1080	FULL HD 1920x1080 25fps
Number/Power of lights	8x LED 2,5W	6xLED - 12xLED tilt 5,5W 240 lm, 6xLED fixed front with narrow beam 6,6W 650 lm
Angle of view	88°	54°
Pan/tilt	Rot. 360° (cont.), tilt -105° to 105° (without ant.), from -60° to 60° (with ant.)	Pan 360° (continuous) / tilt 2 x 110°
Pan and tilt sensors	YES	YES
Focus	Manual and automatic	Manual and automatic
Zoom optical/digital	4x digital zoom	10x optical zoom + 12x digital zoom
Laser measurement	YES	YES
Built-in probe	33 kHz	33 kHz

CONTROL UNIT

Also compatible with IBOS HD push-rod camera systems

HDBox PRO

	HDBox PRO	HD PRO
Display size and resolution	1280x800, LCD 12,1", touch display	1920x1080 (FHD), LCD 18,5"
Processor specifications	Intel i3-1250PE, 2.4GHz	Intel i5-1250PE, 2.4GHz
RAM size	RAM 8 GB DDR5	RAM 8 GB DDR5
Hard drive	250 GB SSD	250 GB SSD
Operating system	Windows 11 Home	Windows 11 Home
Number and type of USB ports	2x USB port 3.0	3x USB 3.0 plus (auxiliary)
Touchscreen display	YES	NO
Joysticks	YES, 2x	YES, 2x
Reporting SW	YES, standard DigiCan Light	YES, standard DigiCan Light
	Optional DigiCan v2 PRO and others	Optional DigiCan v2 PRO and others
IP rating	IP54	IP54
Power supply	Battery/mains power	Battery/mains power

CABLE DRUM

HDR 150

	HDR 150	HDR 300
Drive	Powered by motor	Powered by motor
Cable length	150 m	300 m
HD Cable	PU coax, Kevlar-reinforced, 7,9mm	PU coax, Kevlar-reinforced, 7,9mm
Cable length measuring sensor	YES	YES
Remote controller Radiocontrol	YES (optional)	YES (optional)
Synchronized cable drum and crawler speed	YES	YES

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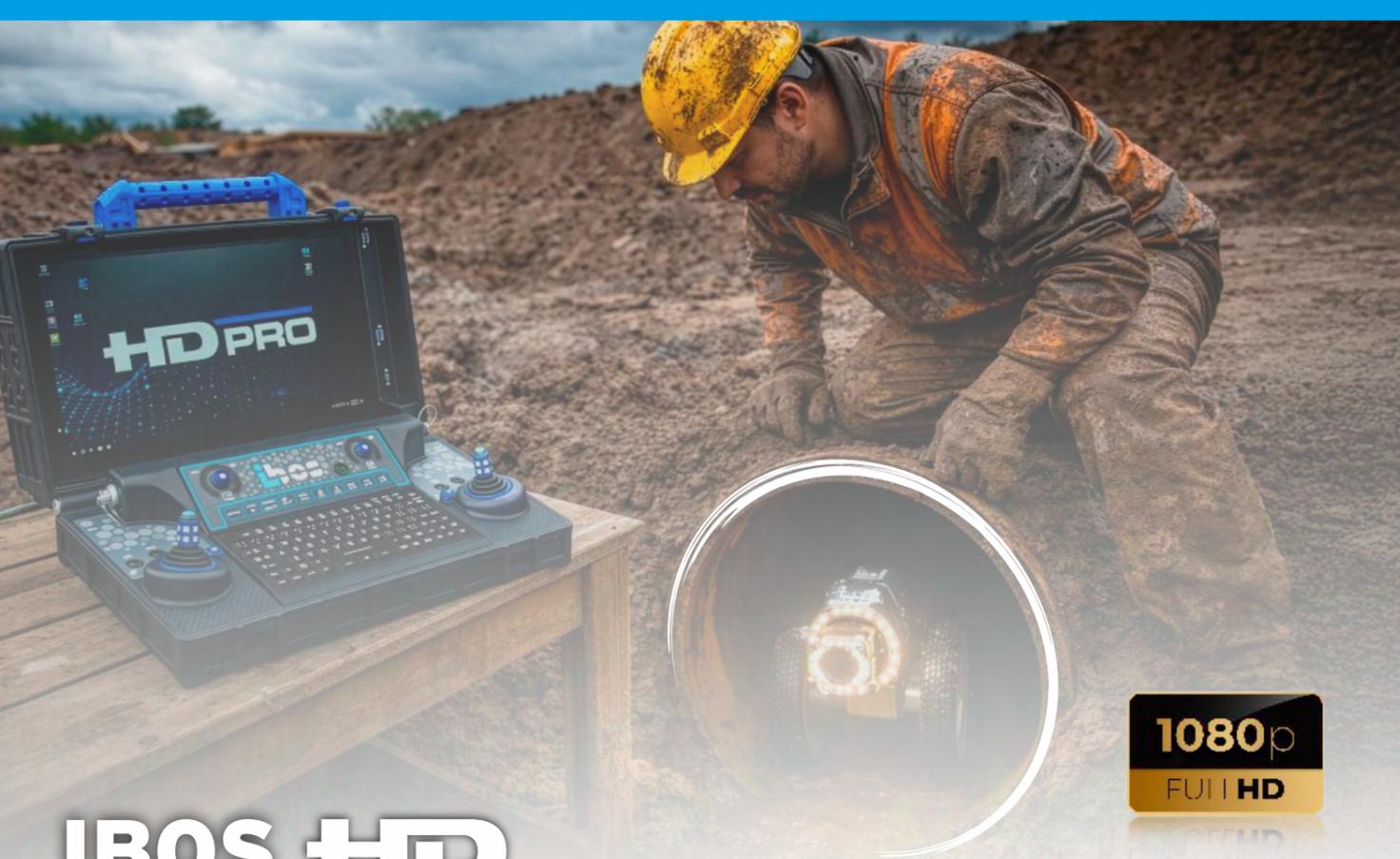
HD
SYSTEMS



1080p
FULL HD

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IBOS HD Camera Crawler Systems

1080p
FULL HD

CAMBOSS HD135

Example of HD camera crawler system set



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|---------|---------|------------|
| | | |
| 150-800 | 1 x 75W | Up to 300m |
| | | |
| NO | Manual | Optic 12x |

CamBoss HD135 is a compact system designed for straightforward high-resolution monitoring tasks. The crawler features 4x4 drive and a powerful 75 W motor, ensuring smooth movement even in demanding conditions. A manually operated arm allows easy and precise positioning of the camera head during inspections. The cable drum, control unit, and camera head are fully compatible with all IBOS HD crawler types. CamBoss HD135 is an ideal solution for basic pipeline inspections ranging from DN 150-800. Reliable performance, simple operation, and future expandability make this system perfect for everyday use. All IBOS CAMBOSS HD crawlers are equipped with a new quick-release system for easy wheel changes to suit different pipe diameters.

CAMBOSS HD150

Example of HD camera crawler system set



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|----------|----------|------------|
| | | |
| 150-1000 | 2 x 100W | Up to 300m |
| | | |
| YES | Electric | Optic 12x |

CamBoss HD150 is the flagship professional camera system of the IBOS CamBoss HD series. The crawler features a 6x6 drive with dual 2100W motors, offering excellent traction with a reach of up to 300 meters, stability, and maneuverability even in complex and contaminated pipe profiles. An electric pantograph allows easy adaptation to different pipe diameters (DN150-1000), keeping the camera head always centered in the pipe axis. For maximum safety and operator comfort, the crawler is equipped with a rear-view camera and an intelligent Auto Camber function that automatically corrects tilt. The system also includes sensors for inclination, pressure, and humidity. Thanks to a wide range of accessories (adapters for large-diameter pipes, oval pipes, and more), the CamBoss HD150 can be flexibly expanded. In the future, a satellite extension for monitoring lateral connections and additional accessories will be available.

CAMBOSS HD145

Example of HD camera crawler system set



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|---------|----------|------------|
| | | |
| 150-900 | 2 x 100W | Up to 300m |
| | | |
| YES | Electric | Optic 12x |

CamBoss HD145 is a powerful professional camera system designed for demanding sewer pipeline inspections. Suitable as a mobile system, the crawler features a 6x6 drive, providing excellent traction, stability, and maneuverability. With a reach of up to 300 meters, the system is ideal for long inspection sections. The HD95 camera head is mounted on an electrically operated arm, allowing precise positioning and centering of the camera within the pipe axis for diameters DN150-900. For maximum safety and operator comfort, the crawler is equipped with a rear-view camera and an intelligent Auto Camber function that automatically corrects tilt. Inclination and pressure sensors are standard. The HD Boss145 crawler can be fitted with an adapter for oval pipe profiles. Fully compatible with other HD system components, it offers high flexibility and easy upgrade options to a higher-level system. CamBoss HD145 is a versatile tool capable of handling most standard sewer inspections.