

# GRANFOO

Shaanxi Granfoo Intelligent Technology Co., Ltd.

Special Borehole Inspection Camera System Solution Manufacturer

## Shaanxi Granfoo Intelligent Technology Co., Ltd.

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China·Xi'an



# Company Introduction

Shaanxi Granfoo Intelligent Technology Co., Ltd. is a High-tech intelligent enterprise. Specialized in designing, researching and development, manufacturing and exporting: underwater borehole inspection cameras, water well inspection cameras, oil well inspection cameras, etc. Our cameras are applied to underwater exploration, wells, oil well repair, the pipeline monitoring and maintenance, military facilities, underwater surveillance, recording and exploration of scientific research results, deep-sea salvage and oilfield operations and so on.

Our company was established in 2009, with 15 years experience. We have obtained CE, ISO, TUV and patent certificates, etc. We have an innovative R&D team and a group of high-quality talents, and cooperate with many domestic universities and research institutes. Our products have completely independent intellectual property rights and have been certified by many national authoritative departments. The application of these products covers underwater high-pressure, high-temperature, explosion-proof, high-speed, wireless video transmission and other environments, and is widely used in monitoring and measurement of petroleum, military research and development, underwater weapons testing, and reconnaissance, recording and exploration of underwater military facilities, results of scientific research, shipwreck salvage and oil field deep-sea operations, mining, marine, chemical industry, monitoring and maintenance of urban water supply networks and pipelines, competition arbitration, oil well restoration, underwater detection, reservoirs, dams, canals and other water conservancy facilities construction and monitoring, salvage, underground rescue and other industries. Successfully participated in large-scale projects such as PetroChina, CNOOC, Sinopec, Navy, China Ordnance Group, Shenhua Group, and Xinjiang University, etc. The products are exported to Europe, North America, South America, Australia, Russia, the Middle East countries, and other countries, and have gained a good brand reputation.

Our company adheres to the business philosophy of quality first and reputation first; insist on the double standard that market determines products and technology determines products; insist on the principle of user first. Our company has always adhered to the tenet of "integrity-based, quality and prosperity" and the management concept of "the vitality of an enterprise lies in adapting to the market, and the essence of enterprise management lies in constantly tapping the potential; the enterprise must wholeheartedly provide the society with excellent services, and promote the value-added capital, so as to benefit the human beings".

**Company Industry Advantage**  
Special Borehole Inspection Camera System Solution Manufacturer

## Partners





Single-Camera Borehole / Deep Well Inspection  
Camera System With 0 to 5000M Cables(Cable Type)

Model No.: GLF-UDC-D68C



Camera Size	Cable Dia
Φ68*1500mm	Φ8.6mm
Temp & Depth Sensor	Control Unit
Optional	13.5inch
Resolution	Buit-in Battery
1920*1080 HD	6 hours

Specifications

Camera Head	
Camera Head Size	Dia 68mm x 1500mm
Camera Sensor	1/2.8" Progressive Scan CMOS
Angle of View	90°
Working Depth	0-5000m
Max Withstand Voltage	50Mpa
Working Temperature	-20°C ~ +150°C
Weight	11.5kg
Shell Material	17-4PH
Power Supply	Battery short section power supply / DC voltage 85-300V, current 1A
Light Source	Self-contained light source
Working Time	6-8H
Video Compression	H.265+/H.265
Resolution	HD
Transmission	Φ8.6mm four-core armored cable
Temp & Depth Sensor	Optional

Control Unit	
Size	L388*W290*H150MM
Operating Temp	-40°C to +60°C
Resolution	1920*1080
Power Supply	DC12OR USB5V
Signal Source	Dual HDMI
Display	13.5-inch IPS screen
U disk storage	Support 256G
Zoom	16 times
Battery	Built-in 10000mA/h rechargeable battery
Electric Winch	
Cable Length	5000M
Cable Outer Diameter	Φ8.6mm
Cable Material	Four-core armored cable
Reel Size	1200mm*1200*700mm
Motor Power	800 watts
Others	Automatic wire function



Dual-Camera Borehole / Deep Well Inspection  
Camera System With 0 to 3500M Cables(Cable Type)

Model No.: GLF-UDC-D55C



Camera Size	Cable Dia
Φ68*1500mm	Φ8.6mm
Temp & Depth Sensor	Control Unit
Optional	13.5inch
Resolution	Buit-in Battery
1920*1080 HD	6 hours

Specifications

Camera Head	
Camera Head Size	Dia 55mm x 840mm
Camera Sensor	1/2.9"IMX323 CMOS
Rotation Angle	360-degree
Working Depth	0-3500m
Max Withstand Voltage	35Mpa
Working Temperature	-20°C ~ +80°C
Weight	9.5kg
Shell Material	17-4PH
Power Supply	Battery short section power supply / DC voltage 85-300V, current 1A
Light Source	Self-contained light source
Working Time	4-6H
Video Compression	H.265+/H.265
Resolution	HD
Transmission	Φ8.6mm four-core armored cable
Temp & Depth Sensor	Optional

Control Unit	
Size	L388*W290*H150MM
Operating Temp	-40°C to +60°C
Resolution	1920*1080
Power Supply	DC12OR USB5V
Signal Source	Dual HDMI
Display	13.5-inch IPS screen
U Disk Storage	Support 256G
Zoom	16 times
Battery	Built-in 10000mA/h rechargeable battery
Electric Winch	
Cable Length	3500M
Cable Outer Diameter	Φ8.6mm
Cable Material	Four-core armored cable
Reel Size	1200mm*1200*700mm
Motor Power	800 watts
Others	Automatic wire function



Single-camera Borehole / Deep Well Inspection  
Camera System With 0 to 3500M Cables(Self-Storage Type)

Model No.: GLF-UDC-D68S

Camera Size

Φ68\*1500mm

Storage Card

128G

Temp & Depth Sensor

Optional

Control Unit

13.5inch

Resolution

1920\*1080

Buit-in Battery

6 hours

Specifications

Camera Head	
Camera Head Size	Dia 68mm x 1500mm
Camera Sensor	1/2.8" Progressive Scan CMOS
Angle of View	90°
Working Depth	0-5000m
Max Withstand Voltage	50Mpa
Working Temperature	-20°C ~ +150°C
Weight	11.5kg
Shell Material	17-4PH
Power Supply	Battery short section power supply
Light Source	Self-contained light source
Working Time	6-8H
Video Compression	H.265+/H.265
Resolution	HD
Storage Card	128G
Temp & Depth Sensor	Optional

Control Unit	
Size	L388*W290*H150MM
Operating Temp	-40°C to +60°C
Resolution	1920*1080
Power Supply	DC12OR USB5V
Signal Source	Dual HDMI
Display	13.5-inch IPS screen
U disk storage	Support 256G
Zoom	16 times
Battery	Built-in 10000mA/h rechargeable battery

Electric Winch	
Cable Length	5000M
Cable Outer Diameter	Φ8.6mm
Cable Material	Four-core armored cable
Reel Size	1200mm*1200*700mm
Motor Power	800 watts
Others	Automatic wire function

Portable Borehole Dual View Inspection Camera  
System With 0 to 600m Cables

Model No.: GLF-UDC-V11SA

Camera Size

Φ45\*422mm

Cable Dia

Φ8.5mm Kevlar

Direction

With Compass

Transmission

Coaxial HD

Sensor

Temp&depth  
Sensor

Focus

Manual Focus

Specifications

Camera Head	
Camera Head Size	Dia 45mm x 422mm
Rotation	Pan 360°
Camera Sensor	1/3 CMOS, 1.3MP pixel HD
Housing Material	Stainless steel camera housing
Light	PC LED light cover
Weight	2.4KG
Lens	Lens window sapphire glass
Side Camera	6pcs high light LED
Down Camera	6pcs high light LED
Wateproof	50bars

Electric Winch	
Winding Speed	0~20m/min cable speed adjustable
Cable Speed	Adjustable
Cable Dia	Φ8.5mm Kevlar cable
Cable Length	100m-600m optional
Power Supply	AC 110V to AC230V
Others	On screen depth encoder Automatic wire function

DVR Control Unit	
Size	13" HD color display
Display Model	4:3
Resolution	1280x720
Battery	Built in 10500mAh-ion rechargeable battery
Keyboard	USB wireless keyboard to typewrite the words
Focus	Manual focus adjustable keys
Zoom	Digital zoom in/out keys
Power	AC110V-230V input port
Winch Operating Knob	Adjust speed, cable up and down, brake
Others	Built in WIFI transmitter On-screen depth encoder, temperature and direction





Portable AHD Borehole Dual View Inspection  
Camera System With 0 to 200m Cables



Model No.: GLF-UDC-V10SSN

Camera Size

Φ45\*422mm

Cable Dia

Φ8mm

Cable Length

100m to 200m

Transmission

Coaxial HD

Control Unit

13"HD

Focus

Manual Focus

Specifications

Camera Head	
Camera Head Size	Dia 45mm x 422mm
Rotation	Pan 360°
Camera Sensor	1/3 CMOS, 1.3MP pixel HD
Housing Material	Stainless steel camera housing
Light	PC LED light cover
Weight	2.4KG
Side Camera	6pcs high light LED
Down Camera	6pcs high light LED
Watproof	30bars
Lens Angle	Horizontal: 101°
	Vertical: 74.6°
	Diagonal: 131°
Cable Reel	
Depth Counter	Cable reel with depth counter
Meter Counter	Handle reel with meter counter
Cable Dia	Dia.8mm flexible soft cable
Cable Length	100m-200m optional
Others	Updated digital meter counter,error rate less than 1%

DVR Control Unit	
Size	13" HD IPS LCD screen
Display Model	16:9
Resolution	1280x720
Battery	Built-in 8800mA rechargeable Li-ion battery pack
Keyboard	USB wireless keyboard real time typewriting
Focus	Manual focus adjustable keys
Zoom	Digital zoom
Power	AC 110V-240V 1.5A power charger
Others	Charge time 7 hours, working time about 5 hours
	Battery level indicator



Portable AHD Borehole PT Inspection  
Camera System With 0 to 200m Cables



Model No.: GLF-UDC-V8SN

Camera Size

Φ50\*154mm

Cable Dia

Φ8mm

Cable Length

100m to 200m

Transmission

Coaxial HD

Control Unit

13"HD

Focus

Manual Focus

Specifications

Camera Head	
Camera Head Size	Dia 50mm x 154mm
View Range	120°
Camera Sensor	1/3" CMOS , 1.3MP pixel
Rotation	Pan 360°, tilt 180°
Light	6pcs high light LED lighting adjustable
Lens	Lens window sapphire glass
Waterproof	IP68 up to 10 bar
Others	PC LED cover, leakproofness better
	Lens position automatic reset
Cable Reel	
Depth Counter	Cable reel with depth counter
Meter Counter	Handle reel with meter counter
Cable Dia	Dia.8mm flexible soft cable
Cable Length	100m-200m optional
Others	Updated digital meter counter,error rate less than 1%

DVR Control Unit	
Size	13" HD IPS LCD Screen
Display Model	16:9
Resolution	1280x720
Battery	Built-in 8800mA rechargeable Li-ion battery pack
Keyboard	USB wireless keyboard real time typewriting
Focus	Manual focus adjustable keys
Zoom	Digital zoom
Power	AC 110V-240V 1.5A power charger
Others	Charge time 8 hours, working time about 5 hours
	Battery level indicator





Other Pipe Cameras



50mm PT camera head  
Pan 360°, tilt 180°  
13Inch control unit  
Manual focus function available  
Waterproof IP68 up to 10 bar  
Dia.9mm cable  
Digital meter counter function  
Cable length: 60~150m



50mm PT camera head  
Pan 360°, tilt 180°  
13Inch control unit  
Manual focus function available  
Waterproof IP68 up to 10 bar  
Dia.7mm cable  
Digital meter counter function  
Cable length: 60m



50mm PT camera head  
Pan 360°, tilt 180°  
8Inch control unit  
Manual focus function available  
Waterproof IP68 up to 10 bar  
Dia.9mm cable  
Digital meter counter function  
Cable length: 60~150m



50mm PT camera head  
Pan 360°, tilt 180°  
8Inch control unit  
Manual focus function available  
Waterproof IP68 up to 10 bar  
Dia.7mm cable  
Digital meter counter function  
Cable length: 60m



45mm dual camera head  
View range horizontal 101°  
8Inch control unit  
Manual focus function available  
Waterproof IP68 up to 3 bar  
Dia.9mm cable  
Digital meter counter function  
Cable length 60~150m

Customer Feedback Actual Photos

