














Product &Packing Image	Model No.	Features	Cable Length
 <p><b>1080P AHD</b></p> <p>3499F-7</p> <ul style="list-style-type: none"> <li>- Φ23mm head</li> <li>- Φ5.2mm cable</li> <li>- 7" Screen</li> </ul>		<p><u>All-in-One 1080P AHD Video pipe inspection camera with 20/30/40m fiberglass cable and 7" monitor with DVR feature</u></p> <ul style="list-style-type: none"> <li>&gt; CMOS camera, 130° wide vision angle, <b>1080P AHD</b></li> <li>&gt; Stainless steel camera head, IP68 waterproof level</li> <li>&gt; Sapphire glass lens cover, 15 high light white LEDs</li> <li>&gt; Diameter of camera: <u>23 mm</u></li> <li>&gt; Two plastic guides for camera head, Φ46mm &amp; 80mm</li> <li>&gt; 7" LCD color monitor with photo shot and video recording</li> <li>&gt; SD Card slot to store still pictures or videos</li> <li>&gt; One push record button</li> <li>&gt; LED brightness control buttons</li> <li>&gt; With microphone for local audio recording</li> <li>&gt; Rechargeable battery lasts up to 6 hours</li> <li>&gt; On-Screen date and time</li> <li>&gt; 20, 30 or 40m fiberglass <u>φ5.2mm</u> push rod</li> <li>&gt; Ability to go through 90°bends in Φ45mm pipes</li> <li>&gt; With smart braking system</li> <li>&gt; <u>With on-screen distance counter</u></li> <li>&gt; <u>With Keyboard for text input (English)</u></li> <li>&gt; Whole system waterproof (box closed)</li> </ul>	<u>20m (66ft) cable</u>
			<u>30m (100ft) cable</u>
			<u>40m (130ft) cable</u>
 <p><b>1080P AHD</b></p> <p>3499F-10</p> <ul style="list-style-type: none"> <li>- Φ23mm head</li> <li>- Φ5.2mm cable</li> <li>- 10.1" Screen</li> </ul>		<p>The 3499F complete system with <u>10" LCD Screen</u> instead of 7".</p>	<u>20m (66ft) cable</u>
			<u>30m (100ft) cable</u>
			<u>40m (130ft) cable</u>

Product &Packing Image	Model No.	Features	Cable Length
 <p><b>1080P AHD</b></p> <p>3499FB-7</p> <ul style="list-style-type: none"> <li>• Φ23mm head</li> <li>• Φ6.8mm cable</li> <li>• 7" Screen</li> </ul> <p><u>3499F kit with φ6.8mm rod cable</u></p>		<p><u>All-in-One Video pipe inspection camera with 20/30/40m fiberglass cable and 7" monitor with DVR feature</u></p> <ul style="list-style-type: none"> <li>&gt; CMOS camera, 130° wide vision angle</li> <li>&gt; Stainless steel camera head, IP68 waterproof level</li> <li>&gt; Sapphire glass lens cover, 15 high light white LEDs</li> <li>&gt; Diameter of camera: <u>23 mm</u></li> <li>&gt; Two plastic guides for camera head, Φ46mm &amp; 80mm</li> <li>&gt; 7" LCD color monitor, with image rotate button</li> <li>&gt; SD Card slot to store still pictures or videos</li> <li>&gt; One push record button</li> <li>&gt; LED brightness control buttons</li> <li>&gt; With microphone for local audio recording</li> <li>&gt; Rechargeable battery lasts up to 6 hours</li> <li>&gt; On-Screen date and time</li> <li>&gt; 20, or 30m fiberglass <u>φ6.8mm</u> push rod</li> <li>&gt; Ability to go through 90°bends in Φ50mm pipes</li> <li>&gt; With smart braking system</li> <li>&gt; <u>With on-screen distance counter</u></li> <li>&gt; <u>With Keyboard for text input (English)</u></li> <li>&gt; Whole system waterproof (box closed)</li> </ul>	<u>20m (66ft) cable</u>
			<u>30m (100ft) cable</u>
			<u>40m (115ft) cable</u>
 <p><b>1080P AHD</b></p> <p>3499FB-10</p> <ul style="list-style-type: none"> <li>• Φ23mm head</li> <li>• Φ6.8mm cable</li> <li>• 10.1" Screen</li> </ul>		<p>The 3499FB complete system with <u>10" LCD Screen</u> instead of 7".</p>	<u>20m (66ft) cable</u>
			<u>30m (100ft) cable</u>
			<u>40m (130ft) cable</u>
		Built-in 512hz Sonde for 23mm camera head	
		<b>Optional Features</b> Built-in Self Leveling Feature for 23mm camera head <b>For 3499F&amp;FB</b>	
		Built-in both 512Hz Sonde and Self-leveling for 23mm camera head	









Product & Packing Image	Model No.	Features	Cable Length
 <p><b>1080P AHD</b></p> <p><u>with 18mm camera</u></p>	<b>All-in-One 1080P</b>  <b>3499F-7-18mm</b>  - $\Phi$ 18mm head - $\Phi$ 4.8mm cable - 7" Screen	<u><b>AHD Video pipe inspection camera with 20/30/40m fiberglass cable and 7" monitor with DVR feature</b></u>  > CMOS camera, 130° wide vision angle, 1080P AHD > Stainless steel camera head, IP68 waterproof level > Sapphire glass lens cover, 9 high light white LEDs > Diameter of camera: <u>18mm</u> > Ball guide for camera head > 7" LCD color monitor with photo shot and video recording > SD Card slot to store still pictures or videos > One push record button > LED brightness control buttons > With microphone for local audio recording > Rechargeable battery lasts up to 6 hours > On-Screen date and time > 20, 30 or 40m fiberglass $\Phi$ 4.8mm push rod > Ability to go through 90°bends in $\Phi$ 32mm pipes > With smart braking system <u>&gt; With on-screen distance counter</u> <u>&gt; With Keyboard for text input (English)</u> > Whole system waterproof (box closed)	<u>20m (66ft) cable</u>
			<u>30m (100ft) cable</u>
			<u>40m (130ft) cable</u>
 <p><b>1080P AHD</b></p>	<b>3499F-10-18mm</b>  - $\Phi$ 18mm head - $\Phi$ 4.8mm cable - 10.1" Screen	The 3499F-18 complete system with <u>10" LCD Screen</u> instead of 7".	<u>20m (66ft) cable</u>
			<u>30m (100ft) cable</u>
			<u>40m (130ft) cable</u>
	<b>Optional Feature</b>	Built-in 512hz Sonde for 18mm camera head	










Product & Packing Image	Model No.	Features	Cable Length
 <p><u>with 14mm camera</u></p>	<b>3499F-7-14mm</b>  - $\Phi$ 14mm head - $\Phi$ 4.8mm cable - 7" Screen	<u><b>All-in-One Video pipe inspection camera with 20/30/40m fiberglass cable and 7" monitor with DVR feature</b></u>  > 1/3 inch CMOS camera, 90° wide vision angle > Stainless steel camera head, IP68 waterproof level > Sapphire glass lens cover, 4 high light white LEDs > Diameter of camera: <u>14 mm</u> > Ball guide for camera head, $\Phi$ 28mm > 7" LCD color monitor with photo shot and video recording > SD Card slot to store still pictures or videos > One push record button > LED brightness control buttons > With microphone for local audio recording > Rechargeable battery lasts up to 6 hours > On-Screen date and time > 20, 30 or 40m fiberglass $\Phi$ 4.8mm push rod > Ability to go through 90°bends in $\Phi$ 32mm pipes > With smart braking system <u>&gt; With on-screen distance counter</u> <u>&gt; With Keyboard for text input (English)</u> > Whole system waterproof (box closed)	<u>20m (66ft) cable</u>
			<u>30m (100ft) cable</u>
			<u>40m (130ft) cable</u>
	<b>3499F-10-14mm</b>  - $\Phi$ 14mm head - $\Phi$ 4.8mm cable - 10.1" Screen	The 3499F-14 complete system with <u>10" LCD Screen</u> instead of 7".	<u>20m (66ft) cable</u>
			<u>30m (100ft) cable</u>
			<u>40m (130ft) cable</u>
	<b>Optional Feature</b>	Built-in 512hz Sonde for 14mm camera head	










## Spare Parts








Part Number	Name	Description	Picture
C14MN0	Φ14mm Camera head	1/ 4" CMOS 648x488, Φ14mm×21mm, 90° View Angle, Flexible Spring length: 105mm. Camera total length: 125mm	
C14MT0	Φ14mm Camera head with 512Hz	1/ 4" CMOS 648x488, Φ14mm×21mm, 90° View Angle, Flexible Spring length: 105mm. Camera total length: 125mm <u>With built-in 512hz Sonde</u>	
H18MN0	Φ18mm Camera head	1/3" CMOS, AHD 1920*1080, Φ18mm×29mm(main body), 130° View Angle Flexible Spring length: 100mm. Camera total length: 135mm	
H18MT0	Φ18mm Camera head with 512Hz	1/3" CMOS, AHD 1920*1080, Φ18mm×29mm(main body), 130° View Angle Flexible Spring length: 100mm. Camera total length: 135mm <u>With built-in 512hz Sonde</u>	
H23MN0	Camera head	1/3" CMOS, Φ23×155mm, AHD 1920*1080, 130° View Angle. Flexible Spring length: 100mm	
H23MT0	Camera head	1/3" CMOS, Φ23×155mm, AHD 1920*1080, 130° View Angle. Flexible Spring length: 100mm <u>With built-in 512Hz Sonde</u>	
H23MNS	Camera head	1/3" CMOS, Φ23×155mm, AHD 1920*1080, 110° View Angle. Flexible Spring length: 100mm <u>With self leveling</u>	
H23MTS	Camera head	1/3" CMOS, Φ23×155mm, AHD 1920*1080, 110° View Angle. Flexible Spring length: 100mm <u>With both self leveling and 512Hz Sonde</u>	

A28006	Connector	Adapter for 38mm camera head to mount on 3499F	
1-312	Camera head	Camera head, stainless steel, Φ 38mm×81mm With self-leveling	
1-323	Camera head	Camera head, stainless steel, Φ 38mm×81mm With 512Hz Transmitter & self-leveling	
A28014	Transmitter	33KHz transmitter (adapter part to connect between rod cable and 23mm camera head)	
A13006	Spring Assembly	Stainless steel spring of 23mm camera head (without 512Hz sonde)	
A13006T	Spring Assembly	Stainless steel spring of 23mm camera head (with 512Hz sonde)	
Sdcard	SD card	16GB SD card + USB SD card reader	
P512R	locator	512Hz wireless receiver/locator	
8-901	Guide	Plastic guide (dia. 80mm) For 23mm camera head	

8-923	Guide	Plastic guide (dia. 46mm) For 23mm camera head	
S2328S	Guide	Ball guide (dia. 28mm) For 14mm camera head	
S1128S	Guide	Ball guide (dia. 28mm) For 18mm camera head	
8-934	Guide	Mini Roller skid, dia 70mm For 38mm camera head	
8-945	Guide	Universal Roller Skid, dia. 120mm(Min.) 250mm(Max.) For 38mm camera head	
8-956	Guide	New set of skid include: Caster Skid, POM skid, ball support and lock sleeve For 38mm camera head	
A18B07	Box	Control box part, including 7" monitor, keyboard, battery pack (internal), support bluetooth keyboard	
A18B10	Box	Control box part, including 10" monitor, keyboard, battery pack (7.2V 6400mAh Li-ion Battery), support bluetooth keyboard	

A18D07	Monitor	Whole black panel with 7" LCD, battery, buttons, DVR, etc. support bluetooth keyboard	
A18D10	Monitor	Whole black panel with 10" LCD, battery, buttons, DVR, etc. (7.2V 6400mAh Li-ion Battery) , support bluetooth keyboard	
A18011	LCD screen	LCD screen for model 3499F/FB	
A18011-2	LCD screen	10" LCD screen for model 3499F/FB	
A18012	Mainboard	PCB mainboard for model 3499F/FB	
Battery pack	Battery pack	Battery pack for 3499F (7.2V 6400mAh Li-ion Battery)	
A18014	holder	Camera holder for 3499F/FB	
2-312	Adaptor	DC 12V 1. 5A Adaptor	
2-323	Car Charger	DC 12V 2A Car Charger	

3-412	Remote Control	13 Key Remote Control for DVR 5-612	
K7924K	keyboard	Wireless keyboard and adapter to type text on monitor	
A18C05	Turn table	Turn table of cable reel (with slip ring inside) (for 3499F $\Phi$ 5.2mm blue rod cable)	
A18C07	Turn table	Turn table of cable reel (with slip ring inside) (for 3499FB $\Phi$ 6.8mm red rod cable)	
A18R01	Cable drum	Wheel part for the cable reel, including turn table (for 3499F $\Phi$ 5.2mm blue rod cable)	
A13R01	Cable drum	Wheel part for the cable reel, including turn table (for 3499FB $\Phi$ 6.8mm red rod cable)	
F5220N F5230N F5240N	Push Cable	Push cable only, without wheel, with connectors on both ends; 20,30,40 meters (optional) Dia. 5.2mm blue color for 23mm camera head	
F5120N F5130N F5140N	Push Cable	Push cable only, without wheel, with connectors on both ends; 20,30,40 meters (optional) Dia 4.8mm red color for 14mm camera	
F6820N F6830N F6840N	Push Cable	Push cable only, without wheel, with connectors on both ends; 20,30,40meters (optional) Dia 6.8mm red color for 23mm camera	
R1120D R1130D R1140D R1160D	Cable Wheel	Rotatable Cable Wheel With $\phi$ 4.8mm red fiberglass Cable 20,30,40, 60meters (optional) Built-in Meter Counter for 14mm camera head <u>Rotatable Cable Wheel</u>	
R1820D R1830D R1840D	Cable Wheel	With $\phi$ 5.2mm blue fiberglass Cable 20,30,40 meters (optional) Built-in Meter Counter for 23mm camera head	

R1320D R1330D R1340D	Cable Wheel	Rotatable Cable Wheel With $\phi$ 6.8mm red fiberglass Cable 20,30 and 40meters (optional) Built-in Meter Counter for 23mm camera head	
M1820D M1830D M1840D	Cable Wheel	Rotatable Cable Wheel <u>and metal frame</u> With $\phi$ 5.2mm blue fiberglass Cable 20,30,40meters (optional) Built-in Meter Counter for 23mm camera head	
M1120D M1130D M1140D M1160D	Cable Wheel	Rotatable Cable Wheel <u>and metal frame</u> With $\phi$ 4.8mm red fiberglass Cable 20,30,40, 60meters (optional) Built-in Meter Counter for 14mm camera head	
M1320D M1330D M1340D	Cable Wheel	Rotatable Cable Wheel <u>and metal frame</u> With $\phi$ 6.8mm red fiberglass Cable 20,30, 40meters (optional) Built-in Meter Counter for 23mm camera head	
9-001	Cable repair parts	Fiberglass connector parts for repairing a snapped cable For 23mm camera head, 5.2mm rod cable	
9-002	Cable repair parts	Fiberglass connector parts for repairing a snapped cable For 14mm camera head 4.8mm rod cable	
9-003	Cable repair parts	Fiberglass connector parts for repairing a snapped cable For 23mm camera head 6.8mm rod cable	
A18009	Cable	6pin - 6 pin connection cable from control box to cable reel	