

KS TOOLS

*Tools and
more*



**VIDEOSCOPE
TECHNOLOGY**

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VIDEOSCOPE- TECHNOLOGY



*Tools and
more*



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VIDEOSCOPE TECHNOLOGY

Technical videoscope

The application of videoscope in the technical area has grown in the course of the last years and increased in importance. Not only under the aspect of the simple and recognized investigation but can also be used as proof to suppliers, however in particularly in regard to warranty quotations and statements to service providers towards future manufacturing. Another plus for the acquisition of a videoscope lies in the partly immense saving of valuable working hours with searching for the repair.

To be able to do justice to the different demands for the devices or equipment, now there are 3 different executions within the KS Tools range for the correct choice. All the same whether you simply want to consider or review in parallel by video / photo or audio admission, we are sure that you will find a suitable device over the next pages. The operation of the devices is very user friendly and, moreover, can be communicated in the provided, simply understandable manuals.

Concerning the assigned software, first of all, the probes set new graduations. So the picture is produced directly in a mini camera head of the probe end and with led lights that are adjustable in perfect quality and transferred by data cable to the handle (wireless) or to the hand device. Also the light appears directly in the probe head white, adjustable high performance LEDs grant a perfect illumination.

Various application possibilities e.g.:



- Automotive**
Engine, transmission, tank, car body, dash board, expert etc.
- Aviation**
Engine, turbine, conduit systems etc.
- Construction**
Evaluation of building substance, water damage, parasite attack etc.
- Pipeline construction**
Welding seams, tracking down of foreign objects, leakages etc.
- Hydraulic systems**
Cylinders leakages etc
- Heating sanitary air conditioning**
Ovens, fireplaces, boiler, air conditioning, sewage systems etc.
- Pest control etc**
Hives, wasp nest, bird nest, insect infestations etc.
- Police, customs.**
Contraband, stolen goods, drugs, house searches, espionage etc.

	BASIC	BASIC plus	PREMIUM wireless
Video- and photograph function	-	✓	✓
Audio recording	-	-	✓
Probe Ø	4,5 - 8,5 mm	3,9 - 5,5 mm	3,9 - 5,5 mm
Special probe 90°	-	✓	✓
Special probe pivoting head	-	-	✓
Picture transmission without cable	-	-	✓
Display size	2,36"	3,5"	3,5"

ULTIMATE Vision „BASIC“



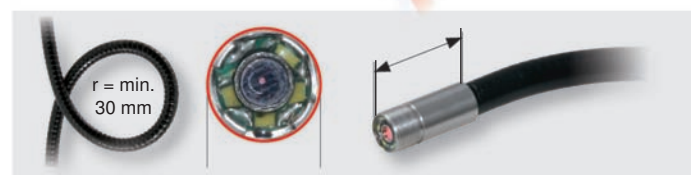
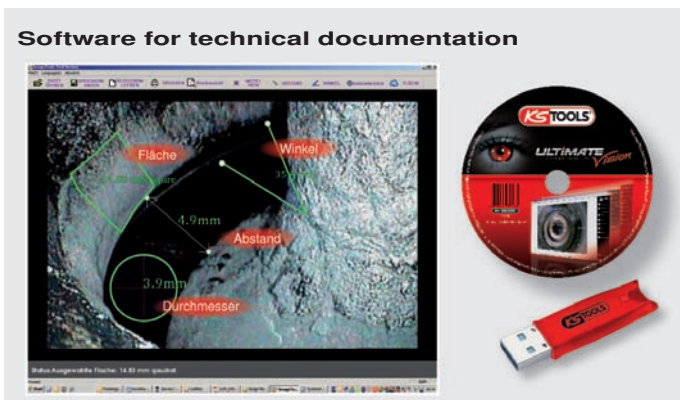
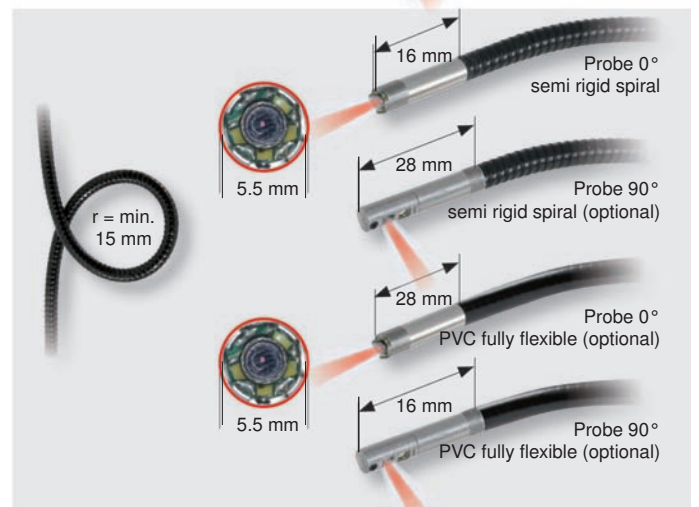
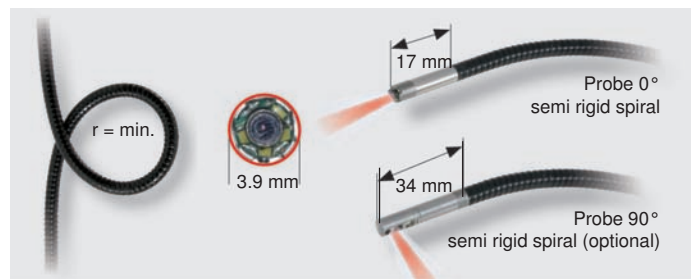
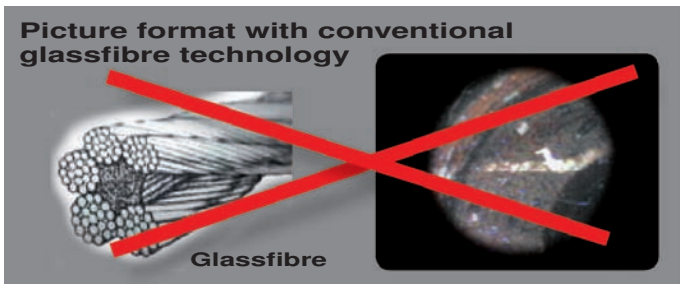
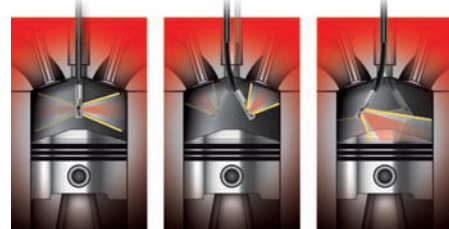
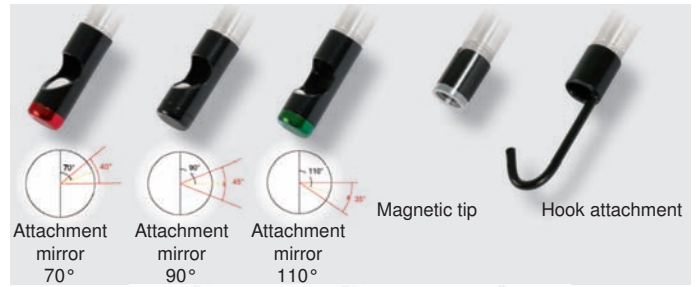
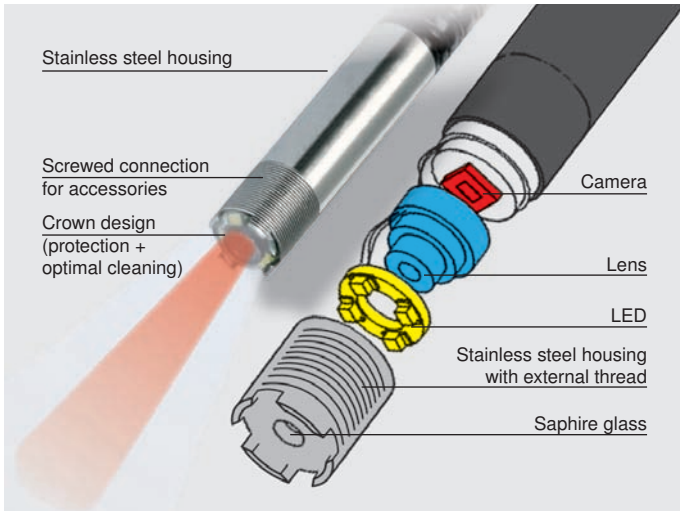
ULTIMATE Vision „PREMIUMplus“



ULTIMATE Vision „BASICplus“



VIDEOSCOPE TECHNOLOGY **Accessories**



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ULTIMATEvision BASIC

ULTIMATEvision BASIC Videoscope set, 7 pcs.

- 6 adjustable Mini LED Lamps
- Mobile and network independent system
- Probes substantially stronger and less breakage, there no glass fiber cable
- Working temperature of + 0°C to + +60
- Excellent picture quality and viewing through special camera in the probe head
- Good picture quality
- Zoom function
- Horizontal picture reflection function
- View on a TV monitor with AV cable possible
- Versatile usage
- 4 x AA batteries
- Simple operation
- In durable plastic storage case

Contents:

- Basic unit
- Mirror attachment:
- Magnetic attachment
- Hook attachment
- AV cable
- Batteries
- Selected probe



- * These probes include 3 mirror attachments (70° + 90° + 110°)!
- ** These probes include 1 mirror attachment (flexible 70° to 110°)!

Technical data hand held unit:

Weight: 430g
 Screen: 2,36" (TFT LCD)
 Output format: NTSC
 AV output: magnification max. 10"
 Frames per second: ~ 30 bps
 Monitor: 16.7 million colors
 Power: 4 x AA battery (not in the delivery)
 Operating temperature: +0°C to +55°C

Technical data probe:

Format: semi rigid
 Operating temperature: +0°C to +55°C
 Bend radius: min. 30 mm
 Lens type: spherical
 Camera protection: designed out of sapphire glasse, camera sheath made out of stainless steel
 Protection class: IP 67
 Aperture angle: horizontal 46° - vertical 34° - diagonal 56°
 Camera resolution: 320 (H) x 240 (V) = 76.800 pixel
 Focused depth of field: 1 cm - 6 cm
 AV magnification: is up to 10" over cinch
 Resistance: waterproof to a max. of 1m, oil and petrol resistant probe
 Mirror attachment: line of vision 90° - aperture angle 36°
 Light source: 6 dimmable white mini LED lamps
 Brightness: 0 ~ 420 LUX / 4 cm

ULTIMATEvision Videoscope set, 7 pcs.
 with 0°, semi rigid spiral shaft front camera probe



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
4,5 mm	550.5345							
5,5 mm*		550.5355	550.5655	550.5755				
8,5 mm**		550.5380	550.5680					

ULTIMATEvision BASIC Basic unit (without probe)

- Mobile and network independent system
- Working temperature of +0°C to +50°C
- Good picture quality
- 1,5 times digital zoom function
- Horizontal picture reflection function
- View on a TV monitor with AV cable possible
- 4 x AA batteries



Technical data hand held unit:

Weight: 430g
 Screen: 2,36" (TFT LCD)
 Output format: NTSC
 AV output: magnification max. 10"
 Frames per second: ~ 30 bps
 Monitor: 16.7 million colors
 Power: 4 x AA battery (not in the delivery)
 Operating temperature: +0 to +55

Item		kg
550.5300	ULTIMATEvision BASIC Basic unit (without probe)	0.43

ULTIMATEvision BASIC Camera probe (without Basic unit)

- 6 adjustable mini LED lamps
- Bend radius max. 30 mm
- Suitable for connection to ULTIMATEvision BASIC Videoscope



Technical data probe:

Format: semi rigid
 Bend radius: min. 30 mm
 Lens type: spherical
 Camera protection: designed out of sapphire glasse, camera sheath made out of stainless steel
 Protection class: IP 67
 Aperture angle: horizontal 46° - vertical 34° - diagonal 56°
 Camera resolution: 320 (H) x 240 (V) = 76.800 pixel
 Focused depth of field: 1 cm - 6 cm
 Operating temperature: +0°C to +55°C
 AV magnification: is up to 10" over cinch
 Resistance: waterproof to a max. of 1m, oil and petrol resistant probe
 Mirror attachment: line of vision 90° - aperture angle 36°
 Light source: 6 dimmable white mini LED lamps
 Brightness: 0 ~ 420 LUX / 4 cm

0° Front camera probe semi rigid spiral shaft (without basic unit)

Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
4,5 mm		550.5346						
5,5 mm		550.5356	550.5357	550.5358				
8,5 mm		550.5386	550.5387					

Cable extension

- Probe diameter: 8.5 mm
- Length: 3.0 m
- Connection diameter: 16 mm
- Universal for all ULTIMATEvision BASIC Videoscope applicable

Item	L m	kg
550.5385	3.0 m	600

ULTIMATEvision BASICplus

ULTIMATEvision BASICplus Videoscope set, 10 pcs.

- Alternatively with flexible PVC or semi rigid spiral shaft
- 4 adjustable mini LED lamps
- Mobile and network independent system
- Probes substantially stronger and less breakage, there no glass fiber cable
- Working temperature of + -10° to +60°
- Excellent picture quality and viewing through special camera in the probe head
- Extensive probe accessories and mirror attachments
- Simple probe exchange through standardized adapter system
- Very good picture and video quality
- 1.5 times digital zoom function
- Horizontal picture reflection function
- Picture reception in JPEG format
- Video records in MPEG4 format
- View on large monitor with AV cable
- Data transfer directly through USB cable possible
- Multi lingual menu (14 languages)
- Versatile usage
- Includes Li-polymer rechargeable battery 3,7 V
- 2 component housing protects against light impacts
- High quality foam protection material
- In durable plastic storage case

Contents:

- Basic unit
- AV cable
- Network charger
- 1 GB SD card
- Alcohol cleaning set
- USB data cable
- Selected probe



* These probes include 3 mirror attachments (70° + 90° + 110°)!

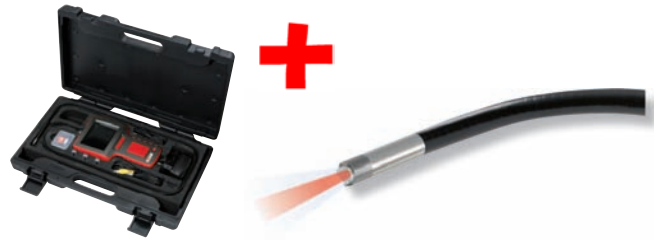
Technical data hand held unit:

Weight: 340g
 Screen: 3,5" (TFT LCD)
 Output format: NTSC and PAL
 Picture storage format: JPEG (640 x 480)
 Frames per second: ~ 30 bps
 Compression format: MPEG4
 Storage medium: SD card up to a max. 2 GB
 Monitor: 16.7 million colors
 Rechargeable battery: Li-Polymer 3,7 V (AC 100-240V / 50-60Hz)
 Power requirement: DC 5,5 - 1,8 A
 Operating time: ca. 4 h rechargeable battery
 Operating temperature: -10° C to +60° C
 Language manual: German, English, French, Spanish, Italian, Danish, Chinese, Russian, Dutch, Arabic, Japanese, Polish, Bulgarian

Technical data probe:

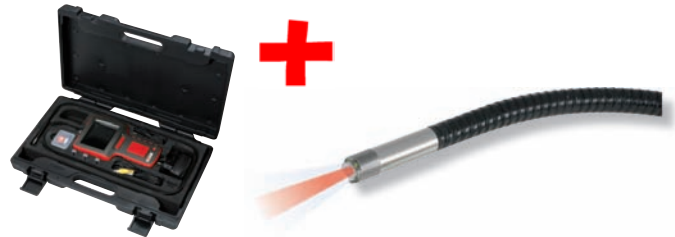
Weight: 140g
 Bend radius: min. 15 mm
 Operating temperature: 0° to 75° C
 Lens type: spherical
 Camera protection: designed out of sapphire glasse, camera sheath made out of stainless steel
 Protection class: IP 67
 Aperture angle: horizontal 46° - vertical 34° - diagonal 56°
 Camera resolution: 320 (H) x 240 (V) = 76.800 pixel
 Focused depth of field: 1 cm - 6 cm
 AV magnification: is up to 15" over cinch
 Resistance: waterproof to a max. of 1m, oil and petrol resistant probe
 Mirror attachment: line of vision 70° - aperture angle 40°
 line of vision 90° - aperture angle 36°
 line of vision 110° - aperture angle 32°
 Light source: 4 dimmable white mini LED lamps
 Brightness: 0 ~ 275 LUX / 4cm

ULTIMATEvision Videoscope set, 10 pcs. with 0° flexible PVC shaft front camera probe



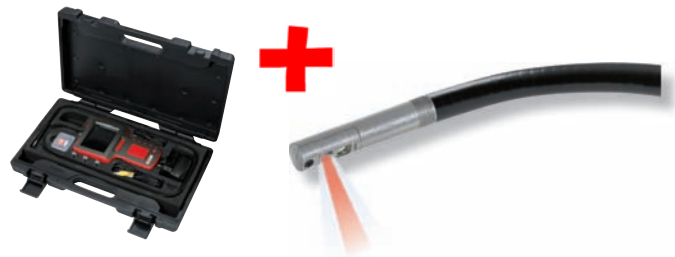
∅	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
4,5 mm								
5,5 mm*								
8,5 mm*		550.5463	550.5464	550.5465	550.5466	550.5457	550.5467	550.5468

ULTIMATEvision Videoscope set, 10 pcs. with 0° semi rigid spiral shaft front camera probe



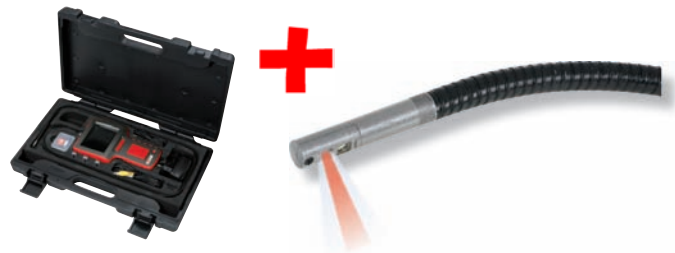
∅	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.3902							
4,5 mm*	550.4501							
5,5 mm*		550.5455	550.5460	550.5461				

ULTIMATEvision Videoscope set, 10 pcs. with 90° flexible PVC shaft front camera probe



∅	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
4,5 mm								
5,5 mm								
8,5 mm		550.5458	550.5472	550.5473	550.5474	550.5475	550.5476	550.5477

ULTIMATEvision Videoscope set, 10 pcs. with 90° semi rigid spiral shaft front camera probe



∅	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.3903							
4,5 mm								
5,5 mm		550.5469	550.5470	550.5471				

ULTIMATEvision BASICplus Videoscope set with steerable probe head (150°) 7 pcs.

- 2 way bending
- View direction of the camera head stepless in two directions to 150° adjustable through adjusting knob adjustable transmitter
- Adjustable function for the angle of vision through the one way sending device
- Through steerable probe head mounting of mirror attachment
- 4 adjustable mini LED lamps
- Mobile and network independent system
- Optimal handling through network or independent working
- Probes substantially stronger and less breakage, there no glass fiber cable
- Working temperature of + 0 °C to + +55°
- Several base units with one transmitting station can be used
- Excellent picture quality and viewing through special camera in the probe head
- Angle of view stepless adjustable over adjustment dial on the transmitting device
- Fixed regulating function for the angle of vision through the switch on the sending device
- Probe not interchangeable
- Very good picture and video quality
- 1,5 times digital zoom function
- Horizontal picture reflection function
- Picture reception in JPEG format
- Video records in MPEG4 format
- View on a TV monitor with AV cable possible
- Multi lingual menu (14 languages)
- Includes Li-polymer rechargeable battery 3,7 V
- 2 component housing protects against light impacts
- Alcohol cleaning set
- High quality foam protection material
- In durable plastic storage case

Contents:

- Basic unit
- Transmitter with flexible probe head
- AV cable
- Network charger
- 1 GB SD card
- Alcohol cleaning set
- USB data cable



Technical data hand held unit:

Weight:	340g
Screen:	3,5" (TFT LCD)
Output format:	NTSC and PAL
Picture storage format:	JPEG (640 x 480)
Frames per second:	~ 30 fps
Compression format:	MPEG4
Storage medium:	SD card up to a max. 2 GB
Monitor:	16.7 million colors
Power requirement:	DC 5,5 - 1,8 A
Rechargeable battery:	Li-Polymer 3,7 V (AC 100-240V / 50-60Hz)
Operating time:	ca. 4 h rechargeable battery
Operating temperature:	-10 °C to +60 °C
Language manual:	German, English, French, Spanish, Italian, Danish Chinese, Russian, Dutch, Arabic, Japanese, Polish Bulgarian

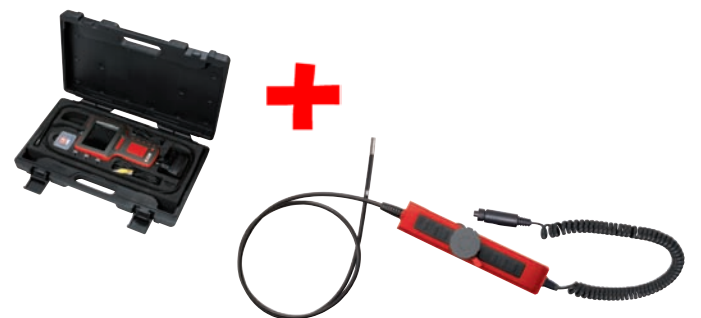
Technical data transmitting device:

Weight:	350g
Operating time:	ca. 4 h rechargeable battery
Battery charge indicator:	4 color lamp
Dimmer:	dimmer fuction with an on / off switch dial switch for frequency choice
Transmitter:	Transmitter frequency: 2,4 GHz 4 Channels (2414 MHz, 2432 MHz, 2450 MHz, 2468 MHz)
Rechargeable battery:	Li-Polymer 3,7 V
Charging:	mini USB charging socket on the housing bottom

Technical data probe:

Format:	flexible PVC casing
Bend radius:	min. 50 mm
Lens type:	spherical
Camera protection:	designed out of sapphire glasse, camera sheath made out of stainless steel
Line of vision:	revolving in 2 directions each to 150°
Operating temperature:	+0° to +55 °C
Aperture angle:	horizontal 46° - vertical 34° - diagonal 56°
Camera resolution:	320 (H) x 240 (V) = 76.800 pixel
Focused depth of field:	1 cm - 6 cm
AV magnification:	is up to 15" over cinch
Light source:	4 dimmable white mini LED lamps
Brightness:	0 ~ 275 LUX / 4cm

**ULTIMATEvision BASICplus Videoscope set, 7 pcs.
with moveable PVC shaft front camera probe**



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
6 mm		550.6030						

consists of:

Item		
550.5400	ULTIMATEvision BASICplus Basic unit (without probe)	340
550.6005	Transmitter with flexible probe head	140
550.5003	AV-Cable 2 m	55
550.5004	Mains charger 110V - 220V	90
550.5009	Alcohol-cleaning-set for cleaning the probe and the mirror attachment	15
550.5008	1 GB SD-Card	10
550.5018	USB-Data cable	22



ULTIMATEvision BASICplus Basic unit (without probe)

- Mobile and network independent system
- Working temperature of + -10° to +60°C
- Simple probe exchange through standardized adapter system
- Very good picture and video quality
- 1,5 times digital zoom function
- Horizontal picture reflection function
- Picture reception in JPEG format
- Video records in MPEG4 format
- View on large monitor with AV cable
- Data transfer directly through USB cable possible
- Multi lingual menu (14 languages)
- Versatile usage
- Includes Li-polymer rechargeable battery 3,7 V
- 2 component housing protects against light impacts



Technical data hand held unit:

Weight: 340g
 Screen: 3,5" (TFT LCD QVGA)
 Output format: NTSC and PAL
 Picture storage format: JPEG (640 x 480)
 Frames per second: ~ 30 bps
 Compression format: MPEG4
 Storage medium: SD card up to a max. 2 GB
 Monitor: 16.7 million colors
 Rechargeable battery: Li-Polymer 3,7 V (AC 100-240V / 50-60Hz)
 Power requirement: DC 5,5 - 1,8 A
 Operating time: ca. 4 h rechargeable battery
 Operating temperature: -10°C to +60°C
 Language manual: German, English, French, Spanish, Italian, Danish, Chinese, Russian, Dutch, Arabic, Japanese, Polish, Bulgarian

Item		
550.5400	ULTIMATEvision BASICplus Basic unit (without probe)	0.34

ULTIMATEvision PREMIUMwireless Camera probes (without basic + without transmitter device)

- 4 adjustable mini LED lamps
- Bend radius max. 15 mm
- Suitable for connection to ULTIMATEvision BASICplus and PREMIUMwireless Videoscope

Technical data probe:

Bend radius: min. 15 mm
 Lens type: spherical
 Camera protection: designed out of sapphire glasse, camera sheath made out of stainless steel
 Protection class: IP 67
 Aperture angle: horizontal 46° - vertical 34° - diagonal 56°
 Camera resolution: 320 (H) x 240 (V) = 76.800 pixel
 Focused depth of field: 1 cm - 6 cm
 Operating temperature: 0° to 75°C
 AV magnification: is up to 15" over cinch
 Resistance: waterproof to a max. of 1m, oil and petrol resistant probe
 Mirror attachment: line of vision 70° - aperture angle 40°
 line of vision 90° - aperture angle 36°
 line of vision 110° - aperture angle 32°
 Light source: 4 dimmable white mini LED lamps
 Brightness: 0 ~ 275 LUX / 4cm

0° front camera probe flexible PVC shaft



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.5140							
4,5 mm								
5,5 mm		550.5040	550.5041	550.5042	550.5043	550.5044	550.5045	550.5046

0° front camera probe semi rigid spiral shaft



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.5060							
4,5 mm	550.5420							
5,5 mm		550.5020	550.5021	550.5022				

90° front camera probe flexible PVC shaft



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.5150							
4,5 mm								
5,5 mm		550.5050	550.5051	550.5052	550.5053	550.5054	550.5055	550.5056

90° front camera probe semi rigid spiral shaft



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.5070							
4,5 mm								
5,5 mm		550.5030	550.5031	550.5032				

ULTIMATEvision Accessories

Mirror attachment



Ø	70°	90°	110°	70 - 110°
3,9 mm				
4,5 mm	550.4531	550.4532	550.4533	
5,5 mm	550.5011	550.5012	550.5013	
8,5 mm				550.5302

Hook attachments and magnet sleeves

Ø		
3,9 mm		
4,5 mm		
5,5 mm	550.5016	550.5017
8,5 mm	550.5303	550.5304

Cleaning set

- suitable for all ULTIMATEvision Videoscope



Item		
550.5009	3 pcs	15

ULTIMATEvision PREMIUMwireless

ULTIMATEvision PREMIUMwireless Videoscope set, 7 pcs.

- 4 adjustable mini LED lamps
- Mobile and network independent system
- Optimal handling through network or independent working
- Base unit and transmitting station can work together through radio driven data up to 50 meters apart from each other independent insertable
- Probes substantially stronger and less breakage, there no glass fiber cable
- Working temperature of -20°C to +60°C
- Several base units with one transmitting station can be used
- Excellent picture quality and viewing through special camera in the probe head
- Extensive probe accessories and mirror attachments
- Simple probe exchange through standardized adapter system
- Very good picture and video quality
- 1.5 times digital zoom function
- Horizontal picture reflection function
- Picture reception in JPEG format
- Video records in MPEG4 format
- View on a TV monitor with AV cable possible
- Voice recording through integrated microphone during video recording
- Multi lingual menu (14 languages)
- Versatile usage
- Includes Li-polymer rechargeable battery 3,7 V
- 2 component housing protects against light impacts
- Alcohol cleaning set
- High quality foam protection material
- Measurement software for the technical documentation for all devices with 0° 5.5 mm probe optionally available
- ABS plastic carry of shatter proof ultra high impact
- The case protects perfectly against dust, moisture and agitation
- Manuel pressure compensating valve to open cases lightly after great differences in height and temperature easy to open
- Beads on the outside of the case
- Reinforced robust eyelet for a padlock for additional security on the case

Contents:

- Basic unit
- Basic transmitter
- AV cable
- Network charger
- 1 GB SD card
- Alcohol cleaning set
- USB data cable
- Selected probe



* These probes include 3 mirror attachments (70° + 90° + 110°)!

Technical data: Basic unit

Weight:	335g
Screen:	3,5" (TFT LCD QVGA)
Output format:	NTSC and PAL
Picture storage format:	JPEG (640 x 480)
Frames per second:	~ 30 bps
Compression format:	MPEG4
Storage medium:	SD card up to a max. 2 GB
Monitor:	16.7 million colors
Reception:	Dial switch for transmitter frequency choice
Rechargeable battery:	Li-Polymer 3,7 V (AC 100-240V / 50-60Hz)
Power requirement:	DC 5,5 - 1,8 A
Operating time:	ca. 4 h rechargeable battery
Operating temperature:	-20°C to +60°C
Language manual:	German, English, French, Spanish, Italian, Danish Chinese, Russian, Dutch, Arabic, Japanese, Polish Bulgarian

Technical data transmitting device:

Weight:	220g
Battery charge indicator:	4 color lamp
Operating time:	ca. 4 h rechargeable battery
Voice recording:	incorporated microphone
Dimmer:	dimmer fuction with an on / off switch
Transmitter:	dial switch for frequency choice
Transmitter frequency:	2,4 GHz 4 Channels (2414 MHz, 2432 MHz, 2450 MHz, 2468 MHz)
Rechargeable battery:	Li-Polymer 3,7 V
Charging:	mini USB charging socket on the housing bottom

Technical data probe:

Bend radius:	min. 15 mm
Lens type:	spherical
Camera protection:	designed out of sapphire glasse, camera sheath made out of stainless steel
Protection class:	IP 67
Aperture angle:	horizontal 46° - vertical 34° - diagonal 56°
Camera resolution:	320 (H) x 240 (V) = 76.800 pixel
Focused depth of field:	1 cm - 6 cm
Operating temperature:	0° to 75°C
AV magnification:	is up to 15" over cinch
Resistance:	waterproof to a max. of 1m, oil and petrol resistant probe
Mirror attachment:	line of vision 70° - aperture angle 40° line of vision 90° - aperture angle 36° line of vision 110° - aperture angle 32°
Light source:	4 dimmable white mini LED lamps
Brightness:	0 ~ 275 LUX / 4cm

ULTIMATEvision PREMIUMwireless Videoscope set, 12 pcs. with 0° flexible PVC shaft front camera probe



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
4,5 mm								
5,5 mm*								
8,5 mm*		550.5310	550.5320	550.5330	550.5340	550.5350	550.5360	550.5370

ULTIMATEvision PREMIUMwireless Videoscope set, 12 pcs. with 0° semi rigid spiral shaft front camera probe



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.3905							
4,5 mm*	550.4513							
5,5 mm*		550.5110	550.5120	550.5130				

ULTIMATEvision PREMIUMwireless Videoscope set, 12 pcs. with 90° flexible PVC shaft front camera probe



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
4,5 mm								
5,5 mm								
8,5 mm		550.5504	550.5505	550.5506	550.5507	550.5508	550.5509	550.5510

ULTIMATEvision PREMIUMwireless Videoscope set, 12 pcs. with 90° semi rigid spiral shaft front camera probe



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.3907							
4,5 mm								
5,5 mm		550.5501	550.5502	550.5503				

ULTIMATEvision PREMIUMwireless Videoscope set with flexible probe head (150°) 7 pcs.

- 2 way bending
- View direction of the camera head stepless in two directions to 150° adjustable through adjusting knob adjustable transmitter
- Adjustable function for the angle of vision through the one way sending device
- Through steerable probe head mounting of mirror attachment
- 4 adjustable mini LED lamps
- Mobile and network independent system
- Optimal handling through network or independent working
- Base unit and transmitting station can work together through radio driven data up to 50 meters apart from each other independent insertable
- Probes substantially stronger and less breakage, there no glass fiber cable
- Working temperature of + 0° C to + +55° C
- Several base units with one transmitting station can be used
- Excellent picture quality and viewing through special camera in the probe head
- Angle of view stepless adjustable over adjustment dial on the transmitting device
- Fixed regulating function for the angle of vision through the switch on the sending device
- Probe not interchangeable
- Very good picture and video quality
- 1.5 times digital zoom function
- Horizontal picture reflection function
- Picture reception in JPEG format
- Video records in MPEG4 format
- View on a TV monitor with AV cable possible
- Voice recording through integrated microphone during video recording
- Multi lingual menu (14 languages)
- Versatile usage
- Includes Li-polymer rechargeable battery 3,7 V
- 2 component housing protects against light impacts
- Alcohol cleaning set
- High quality foam protection material
- ABS plastic carry of shatter proof ultra high impact
- The case protects perfectly against dust, moisture and agitation
- Manuel pressure compensating valve to open cases lightly after great differences in height and temperature easy to open
- Beads on the outside of the case
- Robust bail for padlock fixation on the case

Contents:

- Basic unit
- Transmitter with flexible probe head
- AV cable
- Network charger
- 1 GB SD card
- Alcohol cleaning set
- USB data cable



Technical data: Basic unit

Weight: 335g
 Screen: 3,5" (TFT LCD QVGA)
 Output format: NTSC and PAL
 Picture storage format: JPEG (640 x 480)
 Frames per second: ~ 30 fps
 Compression format: MPEG4
 Storage medium: SD card up to a max. 2 GB
 Monitor: 16.7 million colors
 Reception: dial switch for transmitter frequency choice
 Rechargeable battery: Li-Polymer 3,7 V (AC 100-240V / 50-60Hz)
 Power requirement: DC 5,5 - 1,8 A
 Operating time: ca. 4 h rechargeable battery
 Operating temperature: -20° C to +60° C
 Language manual: German, English, French, Spanish, Italian, Danish, Chinese, Russian, Dutch, Arabic, Japanese, Polish, Bulgarian

Technical data transmitting device:

Weight: 450g
 Battery charge indicator: 4 color lamp
 Operating time: ca. 4 h rechargeable battery
 Dimmer: dimmer fuction with an on / off switch
 Transmitter: dial switch for frequency choice
 Transmitter frequency: 2,4 GHz 4 Channels (2414 MHz, 2432 MHz, 2450 MHz, 2468 MHz)
 Charging: mini USB charging socket on the housing bottom
 Rechargeable battery: Li-Polymer 3,7 V

Technical data probe:

Format: flexible PVC casing
 Bend radius: min. 50 mm
 Lens type: spherical
 Camera protection: designed out of sapphire glasse, camera sheath made out of stainless steel
 Line of vision: revolving in 2 directions each to 150°
 Aperture angle: horizontal 46° - vertical 34° - diagonal 56°
 Camera resolution: 320 (H) x 240 (V) = 76.800 pixel
 Operating temperature: +0° to +55° C
 Focused depth of field: 1 cm - 6 cm
 AV magnification: is up to 15" over cinch
 Light source: 4 dimmable white mini LED lamps
 Brightness: 0 ~ 275 LUX / 4cm
 Length: 1.0 m

ULTIMATEvision PREMIUMwireless Videoscope set, 7 pcs. with flexible PVC shaft front camera probe

Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
6 mm		550.6000						

ULTIMATEvision PREMIUMwireless measurement software

- Only usable in association with ULTIMATEvision videoscope with 0° 5,5 mm probe
- Ideal for bonding in technical documentation
- Only now with this software it is possible to correctly estimate, measure and interpret damages
- Measuring of angles
- Measuring of gaps
- Measurement of radius
- Calculation of areas
- Saving of the arranged photos
- JPEG data format
- Contains distance blade in the delivery



System requirements:

Operating system: Windows 2000, Windows XP (SP2)
 CPU: min. Intel Pentium II 800MHZ
 Main memory: 256 MB
 Hard disc capacity: 50 MB (free)
 USB port: 1 free USB port
 Software encryption: over the provides USB dongle

Item			
550.5015	ULTIMATEvision PREMIUMwireless measurement software	0.30	

ULTIMATEvision PREMIUMwireless Basic unit (without probe)

- Mobile and network independent system
- Optimal handling through network or independent working
- Base unit and transmitting station can work together through radio driven data up to 50 meters apart from each other independent insertable
- Working temperature of -20°C to +60°C
- Several base units with one transmitting station can be used
- Very good picture and video quality
- Picture reception in JPEG format
- Video records in MPEG4 format
- View on a TV monitor with AV cable possible
- Voice recording through integrated microphone during video recording
- Multi lingual menu (14 languages)
- Versitile usage
- Includes Li-polymer rechargeable battery 3,7 V
- 2 component housing protects against light impacts



Technical data: Basic unit

Weight:	335g
Screen:	3,5" (TFT LCD QVGA)
Output format:	NTSC and PAL
Picture storage format:	JPEG (640 x 480)
Frames per second:	~ 30 fps
Compression format:	MPEG4
Storage medium:	SD card up to a max. 2 GB
Monitor:	16.7 million colors
Reception:	dial switch for transmitter frequency choice
Rechargeable battery:	Li-Polymer 3,7 V (AC 100-240V / 50-60Hz)
Power requirement:	DC 5,5 - 1,8 A
Operating time:	ca. 4 h rechargeable battery
Operating temperature:	-20°C to +60°C
Language manual:	German, English, French, Spanish, Italian, Danish Chinese, Russian, Dutch, Arabic, Japanese, Polish Bulgarian

Item		
550.5101	ULTIMATEvision PREMIUMwireless Basic unit (without probe)	0.34

ULTIMATEvision PREMIUMplus Basic unit (without probe)

- Mobile and network independent system
- Optimal handling through network or independent working
- Base unit and transmitting station can work together through radio driven data up to 50 meters apart from each other independent insertable
- Working temperature of -20°C to +60°C
- Several base units with one transmitting station can be used
- Simple probe exchange through standardized adapter system
- Very good picture and video quality
- Voice recording through integrated microphone during video recording
- Versitile usage
- Includes Li-polymer rechargeable battery 3,7 V
- 2 component housing protects against light impacts



Technical data transmitting device:

Weight:	220g
Battery charge indicator:	4 color lamp
Operating time:	ca. 4 h rechargeable battery
Voice recording:	incorporated microphone
Dimmer:	dimmer fuction with an on / off switch
Transmitter:	dial switch for frequency choice
Transmitter frequency:	2,4 GHz 4 Channels (2414 MHz, 2432 MHz, 2450 MHz, 2468 MHz)
Rechargeable battery:	Li-Polymer 3,7 V
Charging:	mini USB charging socket on the housing bottom

Item		
550.5002	ULTIMATEvision PREMIUMplus Basic unit (without probe)	0.22

ULTIMATEvision PREMIUMwireless transmitter with flexible probe head (150°)

- 2 way bending
- View direction of the camera head stepless in two directions to 150° adjustable through adjusting knob adjustable transmitter
- Adjustable function for the angle of vision through the one way sending device
- Through steerable probe head mounting of mirror attachment
- Mobile and network independent system
- Optimal handling through network or independent working
- Base unit and transmitting station can work together through radio driven data up to 50 meters apart from each other independent insertable
- Working temperature of +0°C to +50°C
- Several base units with one transmitting station can be used
- Angle of view stepless adjustable over adjustment dial on the transmitting device
- Fixed regulating function for the angle of vision through the switch on the sending device
- Probe not interchangeable
- Very good picture and video quality
- Voice recording through integrated microphone during video recording
- Versitile usage
- Includes Li-polymer rechargeable battery 3,7 V
- 2 component housing protects against light impacts



Technical data transmitting device:

Weight:	450g
Battery charge indicator:	4 color lamp
Operating time:	ca. 4 h rechargeable battery
Dimmer:	dimmer fuction with an on / off switch
Transmitter:	dial switch for frequency choice
Transmitter frequency:	2,4 GHz 4 Channels (2414 MHz, 2432 MHz, 2450 MHz, 2468 MHz)
Rechargeable battery:	Li-Polymer 3,7 V
Charging:	mini USB charging socket on the housing bottom

Technical data probe:

Weight:	140g
Format:	flexible PVC casing
Bend radius:	min. 50 mm
Lens type:	spherical
Camera protection:	designed out of sapphire glasse, camera sheath made out of stainless steel
Line of vision:	revolving in 2 directions each to 150°
Aperture angle:	horizontal 46° - vertical 34° - diagonal 56°
Camera resolution:	320 (H) x 240 (V) = 76.800 pixel
Focused depth of field:	1 cm - 6 cm
Operating temperature:	+0° to +55°C
AV magnification:	is up to 15" over cinch

ULTIMATEvision PREMIUMwireless Camera probes (without basic + without transmitter device)

- 4 adjustable mini LED lamps
- Bend radius max. 15 mm
- Suitable for connection to ULTIMATEvision BASICplus and PREMIUMwireless Videoscope

Technical data probe:

Bend radius: min. 15 mm
 Lens type: spherical
 Camera protection: designed out of sapphire glasse, camera sheath made out of stainless steel
 Protection class: IP 67
 Aperture angle: horizontal 46° - vertical 34° - diagonal 56°
 Camera resolution: 320 (H) x 240 (V) = 76.800 pixel
 Focused depth of field: 1 cm - 6 cm
 Operating temperature: 0° to 75°C
 AV magnification: is up to 15" over cinch
 Resistance: waterproof to a max. of 1m, oil and petrol resistant probe
 Mirror attachment: line of vision 90° - aperture angle 40°
 line of vision 110° - aperture angle 32°

Light source: 4 dimmable white mini LED lamps
 Brightness: 0 ~ 275 LUX / 4cm

0° front camera probe flexible PVC shaft



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.5140							
4,5 mm								
5,5 mm		550.5040	550.5041	550.5042	550.5043	550.5044	550.5045	550.5046

0° front camera probe semi rigid spiral shaft



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.5060							
4,5 mm	550.5420							
5,5 mm		550.5020	550.5021	550.5022				

90° front camera probe flexible PVC shaft



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.5150							
4,5 mm								
5,5 mm		550.5050	550.5051	550.5052	550.5053	550.5054	550.5055	550.5056

90° front camera probe semi rigid spiral shaft



Ø	0,75 m	1 m	2 m	3 m	5 m	10 m	20 m	30 m
3,9 mm	550.5070							
4,5 mm								
5,5 mm		550.5030	550.5031	550.5032				

ULTIMATEvision Accessories

Mirror attachment



Ø	70°	90°	110°	70 - 110°
3,9 mm				
4,5 mm	550.4531	550.4532	550.4533	
5,5 mm	550.5011	550.5012	550.5013	
8,5 mm				550.5302

Hook attachments and magnet sleeves

Ø		
3,9 mm		
4,5 mm		
5,5 mm	550.5016	550.5017
8,5 mm	550.5303	550.5304

Cleaning set

- suitable for all ULTIMATEvision Videoscope



Item		
550.5009	3 pcs	15

Radio receiver for TV with AV connection

- Only possible to use with ULTIMATE VISION PREMIUMwireless videoscope
- Capable for all TV's with AV input
- For the direct transmission of the indicated pictures on the TV over AV connection



Item		
550.5010	Radio receiver for TV with AV connection	140

Protection pocket set for ULTIMATEvision PREMIUMwireless Basic and transmitter device



Item		
550.5005	2 pcs	90

item	page	item	page	item	page		
5		550.5056	707, 711	550.5504	708		
550.3901	705	550.5060	707, 711	550.5505	708		
550.3902	705	550.5070	707, 711	550.5506	708		
550.3903	705	550.5101	710	550.5507	708		
550.3904	705	550.5110	708	550.5508	708		
550.3905	708	550.5120	708	550.5509	708		
550.3906	708	550.5130	708	550.5510	708		
550.3907	708	550.5140	707, 711	550.5645	704		
550.3908	708	550.5150	707, 711	550.5655	704		
550.4501	705	550.5170	707, 711	550.5680	704		
550.4502	705	550.5171	707, 711	550.5745	704		
550.4503	705	550.5172	707, 711	550.5755	704		
550.4504	705	550.5240	707, 711	550.5780	704		
550.4505	705	550.5241	707, 711	550.6000	709		
550.4506	705	550.5242	707, 711	550.6001	710		
550.4507	705	550.5250	707, 711	550.6005	706		
550.4508	705	550.5251	707, 711	550.6030	706		
550.4509	705	550.5252	707, 711				
550.4510	705	550.5300	704				
550.4511	705	550.5302	707, 711				
550.4512	705	550.5303	707, 711				
550.4513	708	550.5304	707, 711				
550.4514	708	550.5310	708				
550.4515	708	550.5320	708				
550.4516	708	550.5330	708				
550.4517	708	550.5340	708				
550.4518	708	550.5345	704				
550.4519	708	550.5346	704				
550.4520	708	550.5347	704				
550.4521	708	550.5348	704				
550.4522	708	550.5350	708				
550.4523	708	550.5355	704				
550.4524	708	550.5356	704				
550.4531	707, 711	550.5357	704				
550.4532	707, 711	550.5358	704				
550.4533	707, 711	550.5360	708				
550.5002	710	550.5370	708				
550.5003	706	550.5380	704				
550.5004	706	550.5385	704				
550.5005	711	550.5386	704				
550.5008	706	550.5387	704				
550.5009	706, 707, 711	550.5388	704				
550.5010	711	550.5400	706, 707				
550.5011	707, 711	550.5420	707, 711				
550.5012	707, 711	550.5421	707, 711				
550.5013	707, 711	550.5422	707, 711				
550.5015	709	550.5455	705				
550.5016	707, 711	550.5457	705				
550.5017	707, 711	550.5458	705				
550.5018	706	550.5460	705				
550.5020	707, 711	550.5461	705				
550.5021	707, 711	550.5463	705				
550.5022	707, 711	550.5464	705				
550.5030	707, 711	550.5465	705				
550.5031	707, 711	550.5466	705				
550.5032	707, 711	550.5467	705				
550.5040	707, 711	550.5468	705				
550.5041	707, 711	550.5469	705				
550.5042	707, 711	550.5470	705				
550.5043	707, 711	550.5471	705				
550.5044	707, 711	550.5472	705				
550.5045	707, 711	550.5473	705				
550.5046	707, 711	550.5474	705				
550.5050	707, 711	550.5475	705				
550.5051	707, 711	550.5476	705				
550.5052	707, 711	550.5477	705				
550.5053	707, 711	550.5501	708				
550.5054	707, 711	550.5502	708				
550.5055	707, 711	550.5503	708				



Werkzeuge-Maschinen GmbH

Seligenstädter Grund 10 - 12

Industriegebiet Ost 1

D- 63150 Heusenstamm



DEUTSCHLAND

Tel.: +49 6104 4974-0

Fax: +49 6104 4974-11

e-mail: kstools@kstools.de

URL: www.kstools.de