Rescue Camera Comparison

Web Links	http://www.agilitycorp.com/firstlook360/	https://www.savox.com/products/searchcam-3000/?compare=add	http://yone-co.co.jp/english/products/proeye-951-s-model-2011/	http://www.leader-group.eu/search-rescue/fire-detectors-locators/search-cameras/search-camera-with-communication-leader-cam-1522-c230.html
Manufacturer	**Agility Technologies**	**Savox Communications**	**Yone Corporation**	**Groupe Leader / Leader Group**
General				
Camera Model	Firstlook 360	SC3000	ProEye 951-S	Leader Cam
Home Country	Canada	Finland	Japan	France
Use Case	Location, Extrication, Inspection,	Victim Location	Video inspection	Victim Location
Overall Construction	Aluminium/ Glass fibre resin	Aluminium / ABS Plastic	Aluminum / Plastic	Aluminium / Plastic/carbon fibre
Configuration	Fully Modular Design	Partial Modularity	Partial modularity	Wired System
Camera Diameter	1.95"	1.85"	1.496	1.85"
Replaceable Lens	Yes	No	No	No
Processor	Quad Core w/ dedicated ISP	N/A	N/A	N/A
Imaging				
Sensor Type	Dual CMOS Image Sensors	CCD	CCD	CCD
Resolution	1920x960	811(H) X 507(V)	795x595	N/A
File Format	Spherical MP4	MJPEG / Jpeg	NTSC OR PAL	N/A
Streaming Video	Yes 960s HD 30fps	No	No	No
Mechanical Articulation - Field of View	No Mechanical Articulation - 360 x300 FoV	Yes 240	Yes 180	Yes 170
Controls				
Camera movement - Left/Right	Swipe Screen view in any direction	Mechanical	Mechanical	Mechanical
Illumination control	On screen Slide control 8 levels	8 levels	Yes	Yes
Push To Talk Button	Multiple - Onscreen and toggle switch on Headset	Yes	No	Yes
Volume Control	Physical or On Screen Slide control	Yes	No	Yes
Still Image capture	Yes / Screen Shots & Spherical recordings	Yes	No	Yes
Recording	HD Spherical recording	Standard Video	With Optional recorder	Standard Video
Pinch / Zoom	Yes	No	No	No
Screen				
Pixels	9.7" 2048x1536 (QXGA) sAMOLED	960 X234	795X595	N/A
On Screen Function Menu	Multiple Interactive Menus	YES	NO	Yes
Screen Size	9.7"	5" LCD	5.6"LCD	7" TFT LCD
Anti- Glare Film	Yes	Yes	Yes	N/A
Brightness / Contrast	Yes	Yes	N/A	Yes
Illumination				
Illumination Type	LED	LED	LED	LED
Intensity Adjustment	On Screen Slide	Rocker Switches	Via Control Box	Onscreen Slider
Type of Illumination	Multi Directional	Single point	Single point	Single point
Connectivity				
Wireless connection to Camera Head	WIFI - WPA Encryption	No	No	No
Wired connection to Camera Head	Yes	Yes	Yes	Yes
Multiple Screens	Yes	Yes	Requires Optional Proprietary Remote Monitor	No
Software Features				
Firmware Updates	Yes, with programming cable	No	No	No
Software Upgrades & Additional Features	Yes	No	No	No
On screen Diagnostics	Yes	No	No	No
Virtual Joystick	Yes	No	No	No
Hiding Screen overlay	Double Tap	No	No	No
Ability to change camera ID	Yes	No	No	No
Changeable Languages	Yes**	N/A	N/A	N/A
VR Headset Compatible	Yes	No	No	No
Touch Screen Mute /Volume/PTT Controls	Yes	No	No	No
Multiple User Preferences & Settings	Yes	Yes	No	Yes
Left or Right handed controls - Selectable	Yes	No	No	No
Mobile Sharing via LTE or over wifi	Yes	No	No	No
Viewer - Still or recorded video	Yes	Last picture only	No	NA
Images, recordings plotted on a Map View	Yes	No	No	No
Audio				
Victim Communication at Camera Head	Built into Battery Lid	Yes	Optional Audio Module	Yes
Volume Control - Headset	Yes	Yes	No	Yes
Volume Control Camera Head Speaker	Yes	Yes	No	Yes
Two way voice Communication	Yes	Yes	With Optional Audio System	Yes
Recording				
Victim Audio included	Yes	Yes	No	No
Date Time Stamp stored on all recorded Images and Video	Yes	Yes	No	No
Searchable Meta data	Yes	No	No	No
Storage	SD Card (up to 256G) + internal	SD Card 32G max	Only available with Optional A/V Recorder	No
Supports High capacity SD Cards	Yes	32G	No	No
Power				
Battery Type	Li -Ion 18650 Protected Cells (3400mah)	Proprietary Li-ion	12VNimh (Optional LI-Ion)	12V Nickel-Metal Hydride or AA
Operational Time (single set of batteries- typical use)	3 hours *	2 hours	1.5hrs	4.5 Hours
Recharge Time	1.5 hours	3 hours	15min***	4hours
Charger capacity for simultanious recharge	4	3	1	1
Hot swappable batteries	Yes	Yes	No	No
Sleep/Power saving mode	Yes - User Selectable	Yes	No	N/A
Alternate Power source (Camera Head)	4ea - CR123 Lithum	none	none	10ea - AAAcell
Environmental				
Operating Temperatures	-10 °C - 60 °C	-10° to 60° C	N/A	-4°C - 50 °C
IP Rating	IP68	IP54	Raindrop	No
Immersion	3 Metres	23 Metres	50 mtrs with optional Camera Head	No
Protective Case	Pelican 1720	Pelican	Aluminium 1000Wx310Dx180H	N/A
Weight	15.5KG	N/A	19KG	14KG
Operation				
Menus	Yes	Yes	No	YES
Direction of View indicator	Spacial Orientation Graphic Display	Yes	No	Yes
Power Save	Yes	Selectable 4 levels	No	No
On Screen Battery Indicator	Yes	Yes	On Battery	Yes
Single Hand Operation	Yes	Yes	Yes	Yes with Chest Harness
Type of Articulation	None	Motorized	Motorized	Motorized
Accessories				
Behind Head Style Headset	Yes	Yes	No	Yes
Shoulder Sling	Yes	Yes	Yes	Yes
Evironmental cover	Yes - no increase in camera head diameter	Yes increases diameter to +3"	Optional audio sensor slide cover	Screw in plastic mic protector
Anchor Point for Lowering Rope	Yes	Yes	No	Yes
Telescoping Pole	3m	2.5m	2.5m	2.4m
Smart Battery Holder	Yes	No	No	No
Adapter Tubes for CR123A Lithium Batteries	Yes	No	No	No
Viewer App				
Free Viewer Application	Yes	No	No	No
Still Image Play Back	Yes	Last Image Only	Only available with Optional A/V Recorder	Yes
Real Time Recording Playback	Yes	No	No	No
Ability to view on Virtual Reality headset	Yes	No	No	No
Seekable Playback Bar	Yes	No	No	No
Mobile Integration	Yes	No	No	No

Notes

N/A	Information Not Available at time of writing
*	Up to 5 Hours depending on useage of Lighting , Live streaming and Audio
**	Software can be modified to accommodate different Languages. Contact Agility for additional costs
***	Recharge Specification taken from Yone 951-S Brochure claims 15 Minutes recharge to full capacity -please clarify this specification with Yone
Disclosure	Product information has been gathered herein originates from the Manufacturers websites, Product Brochures and Technical Specification documents available in the public domain. This comparison was compiled without malace to assist rescue professionals tasked with the selection of visual search equipment. Agility Technologies takes no responsibility for errors and/or omissions in manufacturer information.