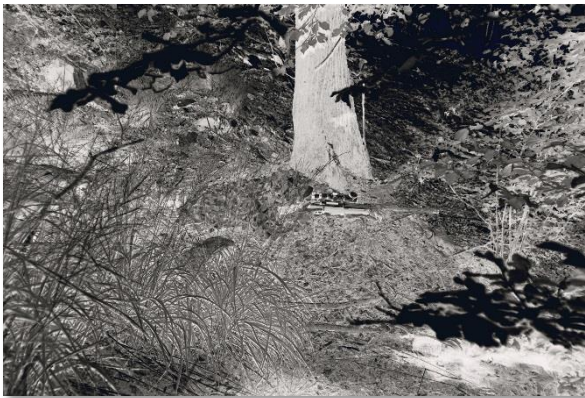


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### camoshield™ – for top-level camouflage both during the day and at night



*camoshield™, developed by SSZ Camouflage and Schoeller Textil, is a unique technology for extending multispectral camouflage in the thermal imaging and SWIR area. This latest protective technology sets new standards in detection reduction coupled with the highest level of wearing comfort. As a result, camoshield™ is ideal for special forces.*



NIR, TIR and SWIR sensors have become widely available at low costs. This leads to the need for a new form of protection for special forces on assignment. And that's exactly what **camoshield™** from SSZ Camouflage and Schoeller Textil AG was developed for. With this technology, textiles offer ideal camouflage both during the day and at night. That means a best-in-class and permanent camouflage effect with the highest level of wearing comfort, optimum lightness and protection from

wind and weather. Furthermore, readiness for night fighting is significantly increased.

### Camouflage in all infrared ranges

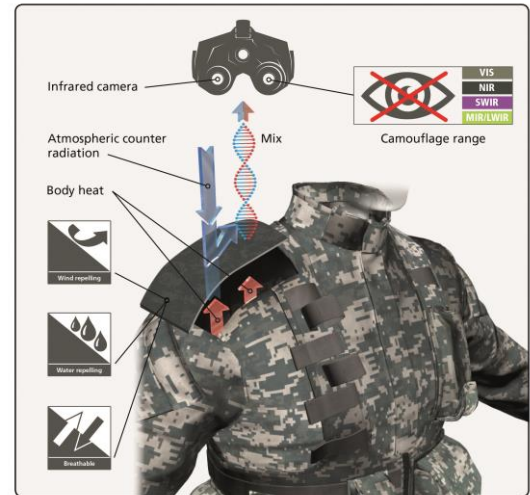
In addition to the near-infrared signature, the **camoshield™** offers protection in thermal infrared range. It reduces the heat signature by lowering the surface temperature by up to 10 °C, without insulating the wearer. Compared to conventional camouflage wear, **camoshield™** thus offers additional protection from optronic equipment. **camoshield™** was specially developed for night assignments on open terrain and delivers its optimum performance at ambient temperatures between 0 °C and 37 °C (32 °F to 98.6 °F).



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### Additional protective functions

With **camoshield™**, further functions such as flame retardance or vector protection (ticks, mosquitoes, etc.) can be integrated as required: **camoshield™** can be modularly combined with other Schoeller technologies, such as **pyroshell™**, **NanoSphere®** or **INZECTIC™**. In terms of weight, handling and textile properties, battledress with **camoshield™** is indistinguishable from standard combat wear. **camoshield™** is also extremely versatile when it comes to appearance too; with corresponding camouflage designs, all potential forms of terrain and climate zones can be catered to.



### Camouflage

Camouflage or optic camouflage is used in special measures to allow troops, vehicles, ordnance or emplacements to blend in with their backgrounds, thus concealing them effectively. This means offering special camouflage colours, patterns or textiles to handle every situation.

Fundamentally, conventional camouflage fatigues cover two spectra: visually using colours area which mimic local flora and patterns which disrupt silhouettes and outlines and adapt to the environs. They also address the near infrared range for concealment from night vision devices. Night vision devices “see” in a different wavelength range to the human eye. Here, artificial dyes in textiles are vastly different to natural dyes. Therefore, camouflage prints need to display a special signature, adapted to nature, so that the “signature suppression” function is provided: **camoshield™**, the “state-of-the-art” camouflage technology, goes one step further and conceals troops from detection in the shortwave SWIR and medium-wave MIR-/LWIR ranges (= thermal infrared). Until now, conventional technology has not offered special protection in this area. With the current reconnaissance situation and level of threat, this is highly risky and seriously reduces the safety and operational readiness of soldiers in combat.

Camouflage may not be generally misunderstood as “invisibility”. Detection is impeded and delayed but this requires the right use of the camouflage equipment and the right conduct in the camouflage wear. Particularly in motion, the multispectral camouflage can provide a tactical advantage, as the risk and the detection distance are reduced in equal measure.