



tailored **fire & security**<sup>®</sup>

**TFSCAM – Mobile Video Technology**

PRODUCT CATALOGUE



## TFS CATALOGUE

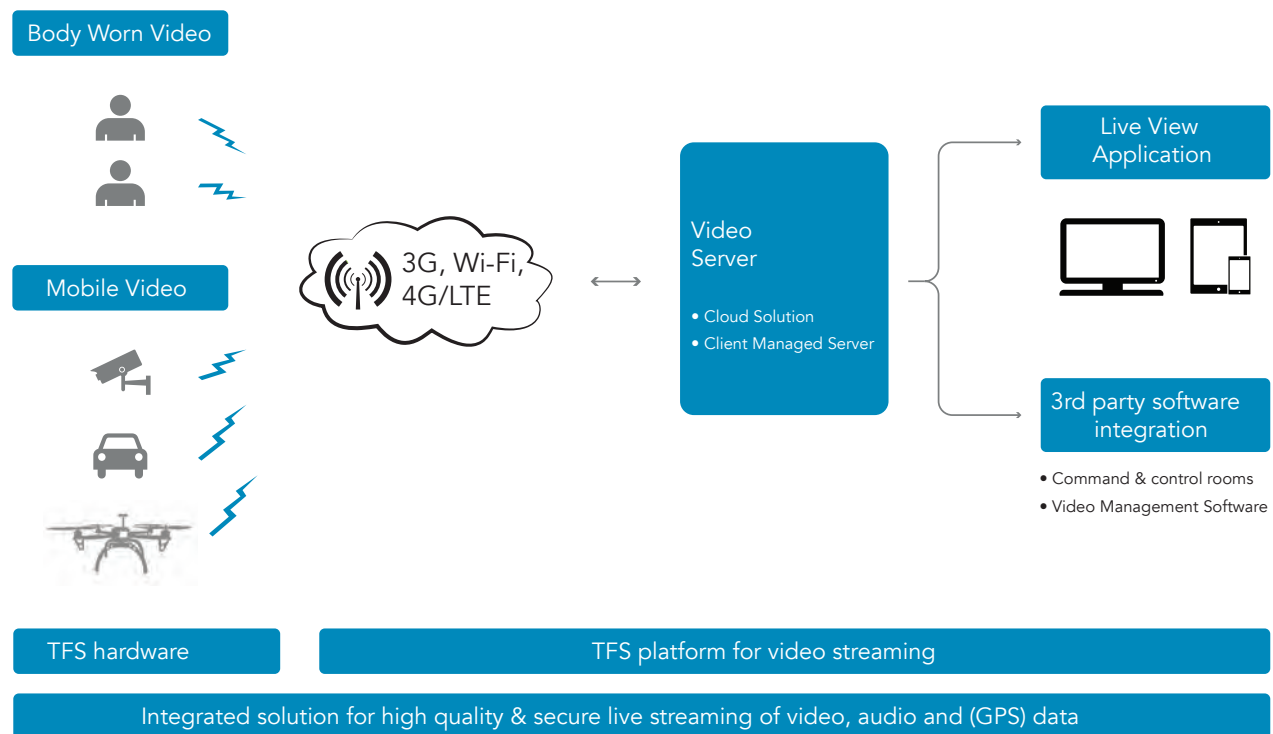
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TFS offers body-worn and mobile video solutions for professional use. Reliable end-to-end solutions for video recording and live video streaming via wireless networks (3G, 4G & Wi-Fi). TFS offers products with an integrated platform for live video streaming.

The products are easy to use, equipped with state of art technology and are highly ruggedized. Products are developed in close cooperation with end users and partners.





The TFS products are being used to gather video evidence for public safety, to secure and observe, to increase safety of personnel in the field, to improve situational awareness for command & control, for video documentation and industrial inspection and point of view recording for TV and Sport.

The integrated and secure TFS back-end solution takes care of live video streaming from body-worn devices and mobile video to command and control room. This integrated end-to-end approach ensures better video quality, very high operational reliability, extra flexibility and easy and fast setup.







## COMPLETE SETS | BODY WORN VIDEO

Product	Code	Description	Image
TFSCAM set with compact camera	T1-PAC	Complete hands-free body worn video system; Consists of TFSCAM recording unit (T1-RUA), remote control (T1-RCA), compact camera (T1-CCA) mounting pack (T1-M23), charger, USB cable and manual are included. 4.5 hours recording time and 15 hours standby.	
TFSCAM - XT set with compact camera	T1-PXC	Complete hands-free body worn video system; Consists of TFSCAM recording unit (T1-RUB), remote control (T1-RCA), compact camera (T1-CCA) mounting pack (T1-M23), charger, USB cable and manual are included. 9 hours recording time and 30 hours standby. Ready for Live streaming.	
TFSCAM - Live* set with compact camera & 3G, Wi-Fi, GPS	T1-PSC	Complete hands-free body worn video system; Consists of TFSCAM recording unit (T1-RUB), Live module (T1-LBA) 3G/Wi-Fi/GPS, remote control (T1-RCA), compact camera (T1-CCA) mounting pack (T1-M23), charger, USB cable and manual are included. 9 hours recording or 4 hours streaming.	
TFSCAM - Live* set with compact camera 3G, 4G/LTE & GPS	T1-PLC	Complete hands-free body worn video system; Consists of TFSCAM recording unit (T1-RUB), Live module (T1-LTE) 3G/4G/GPS (no Wi-Fi), remote control (T1-RCA), compact camera (T1-CCA) mounting pack (T1-M23), charger, USB cable and manual are included. 9 hours recording or 4 hours streaming.	





*Bullet camera instead of compact camera: no additional cost.  
Code of complete sets with bullet camera will be PAB, PXB, PSB, PLB.  
Fireproof bullet camera instead of compact camera: additional cost.*

*\* Excluding sim card, 3G/4G data charges & TFSCAM Video Server use.*

## RECORDERS | BODY WORN VIDEO

Product	Code	Description	Image
T1 recording unit	T1-RUA	TFSCAM T1 wearable unit for video recording & replay, standard 8GB memory, security firmware, main cable with safety connection, USB cable, Peli carry case, 2A external charger, wireless two way remote control, 3100 mAh LiPo battery for 4.5 hours recording.	
T1-XT recording unit	T1-RUB	TFSCAM - XT wearable unit for video recording, replay & wireless streaming, standard 8GB memory, security firmware, main cable with safety connection, USB cable, Peli carry case, 2A external charger, wireless two way remote, 6.200 mAh LiPo battery for 9 hours recording time), connection for TFSCAM Live modules.	






## CAMERAS | BODY WORN VIDEO

Product	Code	Description	Image
Bullet camera	T1-BCA	CCD bullet camera; 550 TV lines, extremely light sensitive for night view, helmet mount, plug & play with T1 recording units. Dimensions & weight: L55*W19*H19mm & 23 grams	
Heat resistant Bullet camera	T1-FCA	CCD Fire resistant bullet camera, peak temperatures up to 400 degrees Celcius, 550 TV lines, extremely light sensitive for night view, helmet mount, plug & play with T1 recording units. Dimensions & weight: L55*W19*H19mm & 30 grams	
Compact camera	T1-CCA	CMOS camera for helmet and body worn applications, 720*576 resolution, Wide Dynamic Range (WDR) for low light performance and backlight reduction, plug & play with T1 recording units. Dimensions & weight: L27*W23*H30mm & 35 grams	
PTZ camera	T1-PCA	Compact PTZ camera for in-car or flat surface applications, with 36X optical zoom, day/night view with infrared, 0.01Lux, 550TVL, indoor or dry weather use only, anti-vibration, plug & play in combination with T1-CB3 Dimensions & weight: L14*W14*H16cm & 1 kgs	

\* Covert cameras and other special cameras upon request.





\* IR version of bullet camera or compact camera: additional cost.

## MODULES | BODY WORN VIDEO

Product	Code	Description	Image
Wi-Fi module	T1-LWA	Wi-Fi module for connecting to 2.4 & 5 GHz Wi-Fi networks. The Wi-Fi module makes it possible to set up Ad-Hoc connections with the TFSCAM for wireless streaming and movie playback.	
TFSCAM Live Module (3G, Wi-Fi & GPS)	T1-LBA	Compact module for wireless video streaming via 3G and Wi-Fi networks; GPS receiver, flexible positioning on body for optimal connectivity, wired connection to T1-XT recording unit. Excluding sim card, 3G data charges and TFSCAM Video Server use. Wi-Fi 2.4 & 5 GHz. 3G frequencies, 900/2100 Mhz or 850/1800/1900 Mhz	
TFSCAM Live Module (4G/LTE & GPS)	T1-LTE	Compact module for wireless video streaming via 3G/4G, GPS receiver, flexible positioning on body for optimal connectivity, wired connection to T1-XT recording unit. Excluding sim card, data charges and TFSCAM Video Server use. 3G frequencies 850/900/1900/2100Mhz. 4G/LTE frequencies 2100/1900/1800/850/2600/900/800Mhz	
GPS unit	T1-GPA	GPS receiver for the TFSCAM T1 series, to display speed, altitude, distance travelled. Route can be displayed in Google maps. GPS receiver can also be combined with T1-LWA & T1-ETH for displaying GPS position while live streaming.	
Ethernet module	T1-ETH	Ethernet converter for streaming via ethernet. Includes ethernet dongle cable to connect to TFSCAM recorder. Dongle connection is industrial wrapped.	




## MOUNTS COMPACT CAMERA | BODY WORN VIDEO

Product	Code	Description	Image
Compact camera Backplate	T1-M20	Backplate with strong neodymium magnet to attach compact camera to clothes in a stable and easy way.	
Compact camera Side arm	T1-M21	Aluminium Side arm for compact camera. The side arm turns the camera with an angle of 90 degrees so the camera can be attached on helmet sides or other flat surfaces. Comes with friction screw.	
Compact camera Magnet Pack 5pcs	T1-M22	A pack of 5 black neodymium magnets for various mounting options of the compact camera. Magnets feature strong industrial stickers for easy attachment.	
Compact camera Mounting Pack	T1-M23	Mounting pack for compact camera T1-CCA with T1-M20, T1-M21 & one black magnet with industrial tape.	

## MOUNTS BULLET CAMERA | BODY WORN VIDEO

Product	Code	Description	Image
Head mount	T1-M01	Head mount for easy fixation of Bullet camera (T1-BCA). With adjustable clamp holder.	
Helmet mount mountain bike	T1-M02	Clamp for T1 Bullet cam (T1-BCA), universal mount for mountain bike helmets. Angle of view is adjustable.	
Shoulder mount complete	T1-M04	Shoulder mount for T1 Bullet cam (T1-BCA), including the aluminium mount for (motor) helmets (T1-M03), fits on clip mount (T1-M06) for sturdy and flexible positioning of camera.	
Car mount	T1-M07	Suction cap mount for (car) windows or flat surfaces. Easily adjustable with different angles.	
Head band mount	T1-M08	Adjustable elastic band with turn-able Bullet cam (T1-BCA) holder.	

## MOUNTS & ACCESSORIES | BODY WORN VIDEO

Product	Code	Description	Image
External battery pack	T1-B01	Spare battery pack to be used with TFSCAM T1 recording units; capacity: 5000 mAh; extra recording time is +/- 5 hours: extra standby time is +/- 15 hours.	
Fast 2A charger	T1-PC2	2A external power charger for TFSCAM T1, 2.5 hour recharge time.	
TFSCAM belt pouch	T1-P01	Pouch for TFSCAM recording unit (T1-RUA & RUB) and external battery pack (T1-B01), sturdy and easy attachment to belt.	
TFSCAM Docking station	T1-DS4	The docking station simultaneously charges 4 TFSCAM recorders, transfers the recorded video files to a connected computer and is able to update firmware, includes PC desktop software.	
Shoulder holster	T1-P02	Comfortable holster to carry a complete TFSCAM live streaming system as all-in-one device.	

## MOUNTS & ACCESSORIES | BODY WORN VIDEO

Product	Code	Description
Motor helmet mount	T1-M03	Clamp for T1 Bullet cam (T1-BCA), very sturdy aluminium mount for (motor) helmets. Comes with 3M velcro connection pads.
Shoulder strap / Goggle mount	T1-M05	Mount to attach T1-M03 or T1-CCA on shoulder straps or goggle's. T1-M03 comes with 3M velcro connection. For connection with camera T1-CCA the camera comes with magnet connection.
Clip mount	T1-M06	Universal clip mount for positioning the T1 Bullet cam (T1-BCA) on shoulder or clothes. Works with aluminium mount for (motor) helmets: T1-M03 (not included in this price).
Fire helmet mount	T1-M11	Aluminium mount for attachment of the (fire proof) bulletcamera to MSA Gallet Helmets. Angle of view and horizon adjustment possible.
Main cable	T1-CB1	Connection cable between TFSCAM T1 recording units and camera; safety quick disconnect, including microphone.
Extension cable	T1-CB2	Extension cable of 1.5 meter to extend the Main cable (T1-CB1), connects main cable and camera, safety quick disconnect.
PTZ main cable	T1-CB3	Maincable between TFSCAM and PTZ camera's. 5V TFSCAM supply 12V camera supply and RS485 Pelco D video signal. Will be supplied with 12v car charger and 220V wall socket.




## MOUNTS & ACCESSORIES | BODY WORN VIDEO

Product	Code	Description
Two way audio Earphone	T1-EPA	Industrial earpiece to receive incoming VOIP calls on the TFSCAM. Without VOIP feature unlock on TFSCAM recording unit.
Fast car charger	T1-CC2	2 Ampere external power car charger for TFSCAM T1 for simultaneously charging and streaming. 3 hour recharge time.
16 GB memory	T1-M16	Solid state memory card for T1-RUA & RUB. 16GB for over 14 hour recording.
32 GB memory	T1-M32	Solid state memory card for T1-RUA & RUB. 32GB for over 28 hours recording.
Wide angle or zoom lens	T1-BCL	Lens options Bullet camera 2.45, 2.97, 3.6, 6, 8, 12 mm with anti fog system.
Camera surveillance band	T1-CSA	Arm band for the dutch market with the text; 'Camera Surveillance'.
Remote control	T1-RCA	Remote control for TFSCAM recording units with led light feedback and adjustable pols band.

## MOBILE VIDEO

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## MOBILE VIDEO BOX HD | MOBILE VIDEO

Product	Code	Description	
TFSCAM mobile video box HD 10 3G,4G, Wi-Fi, GPS & Ethernet	MVB10	The TFSCAM Mobile Video Box (MVB) is a dedicated video streaming router and recorder for 1 full HD IP camera. POE supporting, 32GB storage and 3G, 4G, GPS, Wi-Fi & Ethernet.	
TFSCAM mobile video box HD 20 3G,4G, Wi-Fi, GPS & Ethernet	MVB20	The TFSCAM Mobile Video Box (MVB) is a dedicated video streaming router and recorder for 2 full HD IP cameras. POE supporting, IO events, PTZ support, HDMI out, 64GB storage and 3G, 4G, GPS, Wi-Fi & Ethernet.	
TFSCAM mobile video box HD 30 3G,4G, Wi-Fi, GPS & Ethernet	MVB30	The TFSCAM Mobile Video Box (MVB) is a dedicated video streaming router and recorder for 4 HD IP cameras. POE supporting, IO events, PTZ support, HDMI out, 256GB storage, Wi-Fi accespoint and 3G, 4G, GPS, Wi-Fi & Ethernet.	

*\* Excluding chargers, cameras, antennas, SD storage, sim card 3G/4G data charges & TFSCAM Video Server use.*

## ACCESSORIES | MOBILE VIDEO

Product	Code	Description
MVB Multiband dome antenne	MA2	Antenna for MVB; multiband: 2G/3G/4G, Wi-Fi & GPS; fixation by screw-bolt or sticker; incl. 3 meter cable; 3 SMA connectors
MVB Multiband dome antenne with magnet mount	MA3	Antenna for MVB-HD; multiband: 2G/3G/4G, Wi-Fi & GPS; fixation by strong tripod magnet mount; incl. 3 meter cable; 3 SMA connectors
128GB Memory for MVB-HD	128	Fast 128GB (SD Card) internal storage for MVB. Instead of installed storage



## POWERS | MOBILE VIDEO

Product	Code	Description
MVB Power cable 12-24V	PC1	Power cable with Molex connector to bare leads; 12V/24V supporting; fit for switched power use
MVB Power adapter 230v-12V	PC2	230V wall power adapter for MVB; incl Molex connector; Euro connector; 40 Watt
MVB Power cable 12V with cigaret plug	PC3	12V supply for MVB; incl Molex connector; cigaret power plug for in-vehicle use

## TFSCAM VIDEO SERVER | VIDEO MANAGEMENT SYSTEM

Product	Code	Description
<p>To view and manage live video streams from TFSCAM devices, TFSCAM offers a plug &amp; play integrated network solution, including a video viewer (browser based). The TFSCAM Video Server is available as TFSCAM managed cloud solution or as server software package for a client managed server.</p>		
<p>TFSCAM Cloud Service</p> <ul style="list-style-type: none"> <li>Managed by TFSCAM</li> <li>For 3G, 4G &amp; Wi-Fi streaming</li> </ul>	<p>VCS <i>Cloud service</i></p>	<p>TFSCAM hosted and managed cloud service, no technical set up needed, secure website login to view live TFSCAM video streams &amp; GPS position, browser based application for computer or tablet; remote management of TFSCAM devices in the field, very low latency and includes 21 days video storage.</p> <p>License fee per device, per month with a minimum of 12 months, includes email and telephone support &amp; software updates. Additional costs apply for two way audio.</p>
<p>TFSCAM Server Software</p> <ul style="list-style-type: none"> <li>Managed by client</li> <li>For 3G, 4G &amp; Wi-Fi streaming</li> <li>Browser based application</li> <li>Incl. installation guide</li> <li>Incl. 4 hours remote installation support</li> </ul>	<p>VSS <i>Server software</i></p> <p>VSC <i>Camera connection</i></p>	<p>TFSCAM Video Server software to be installed on client owned server, extra security (no third party servers involved), client is responsible for server hardware, hosting environment, hosting security and available bandwidth.</p> <p>Secure website login to view live TFSCAM video streams, audio &amp; GPS position, browser based application for computer or tablet and remote management of TFSCAM devices in the field.</p> <p>API available for VMS integration (Milestone &amp; Genetec). Additional costs apply.</p> <p>VSC price per connected camera. Price includes server software updates, camera recorder firmware upgrades, security padges, email and telephone support on server and camera systems.</p>

\* Month fee will be yearly invoiced upfront, payment of multiple years is possible.

\* Additional technical support available at additional cost.

## SERVICE CONTRACTS

Product	Code	Description
A TFSCAM Service contract guarantees up to date TFSCAM systems.		
Regular Service Contract	RCS	Service-contract with technical support by email or phone (office-hours). A yearly check-up and service of your video-system.  Includes a yearly firmware update. Please ask us for the contract details.
<ul style="list-style-type: none"><li>• Technical support</li><li>• Yearly maintenance service</li></ul>		
Extended Service Contract	ECS	Service-contract with technical support by email or phone (office-hours). A yearly check-up and service of your video-system. System will be swapped during repair.  Free replacements of broken parts during the contract*.  During the year soft- and firmware-upgrades are included. Please ask us for the contract details.
<ul style="list-style-type: none"><li>• Technical support</li><li>• Yearly maintenance service</li><li>• Back up system in stock</li><li>• Free replacements of broken parts*</li></ul>		

\* Within rules of fair user policy.



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