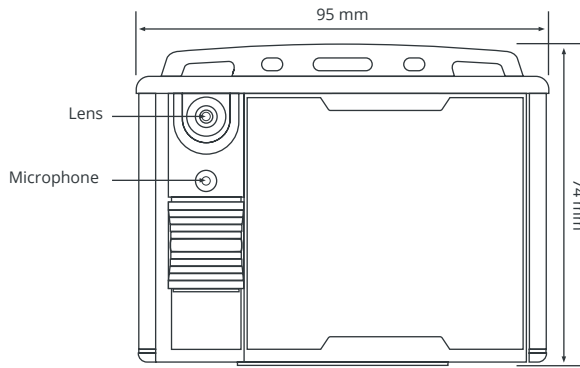# edesiX

VIDEOBADGE VB-200
TECHNICAL SPECIFICATIONS

The VideoBadge VB-200 is a professional Body Worn Camera system with pronounced on/off switch and 130 degree extra wide recording lens.

Currently used across a number of industries including police and prison services, the VB-200 is designed to be rapidly deployed and to be used to its full potential on a daily basis.
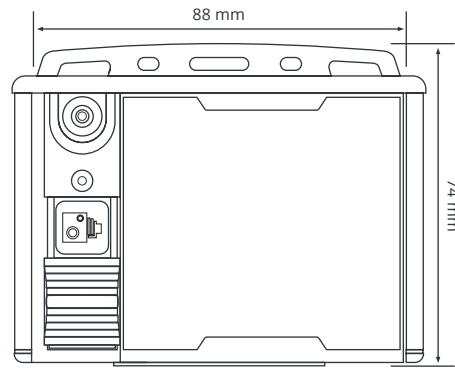

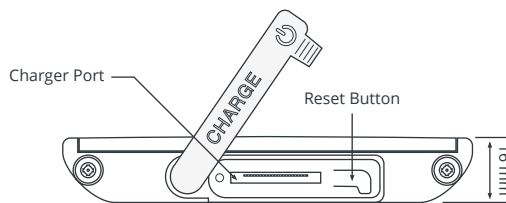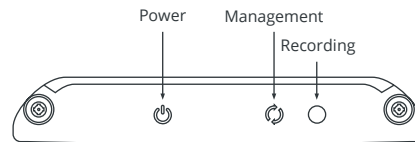| CAMERA FEATURE	DESCRIPTION / SPECIFICATION
Typical Usage	Police, Paramedics, door guarding, environmental wardens. Where the large field of view and pre-record is important.
Management Software	VideoManager 6.0 or later. Requires VideoManager Licence or Cloud Service.
Pre-record Facility	8 hours of continuous pre-recording, with a configurable pre-record period.
Warranty	1 year return-to-manufacturer warranty including email and telephone support. Extended warranty available.
Dimensions	95mm x 62mm x 16mm
Weight	127g without any mounting option fitted and 137g with close-fit KlickfastTM mounting.
User Access or Sealed Unit	Sealed unit with no user access to storage media or battery.
Storage Media	Internal solid state, protected recordings.
Recording Capacity	8 hours (either continuous or as needed)
Recording Storage Capacity	16GB
File size for hour of recording	1GB at 640 x 368 standard resolution, 2GB at 1280 x 720 HD resolution.
Battery capacity in standby (instant recording mode)	Up to 48 hours - This capacity enables years of adequate battery life for normal operational work shifts, meaning low total cost of ownership over time.
Battery type	Lithium–ion (no battery memory) does not require discharge before charging.

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View on Front Face (Device Off)

95 mm

74 mm

Lens

Microphone

View on Front Face (Device On)

88 mm

74 mm

View on Bottom Face

Charger Port

CHARGE

Reset Button

16 mm

View on Top Face

Power   Management

Recording

CAMERA FEATURE	DESCRIPTION / SPECIFICATION
Battery overcharge protection	VideoBadge has overcharge protection so cannot be overcharged and can be left in docking station.
Battery indication	Power light show power state. **Green** = battery charged **Amber** = one hour recording time left **Red** = 15 minutes recording time left
Battery life	3 years recommended refresh time. Depending on amount of standby time required.
Battery refresh process	Edesix service centre.
Switching	✔ One click start / stop ✔ Front thumb-switch on/off: push down on, push up off ✔ (Can use when wearing gloves) Full off / reset button at unit base
Recording status user notification	Visual recording light and audible bleep to notify user of recording on / off
Front display message	Options ➜ Display card with message / logo
Download rate	5mins per hour of recording (parallel downloading with docking station)

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CAMERA FEATURE	DESCRIPTION / SPECIFICATION
Frame rates	30/25/15/12.5 fps. By default VideoBadge records at 25 frames per second.
Resolution	✔ Up to 1280 x 720 (HD) ✔ 640 x 368 standard setting - evidential quality ✔ HD increases file size
Recording rate	25 frames per second, real time recording (each frame is available to view as a still image for evidential accuracy, by authorised user)
Lens capture angle	Wide angle, 130 degree horizontal field of view.
Video downloading protected by encryption	AES 256, encrypted keys specific to base station.
Recordings view, copy and deletion ability	The VideoBadge wearer cannot access, view or delete any recordings. Only authorised users have access to recordings, after download at secure site.
Day / night operation	VideoBadge supports low light conditions to 2 lux, meaning street lighting and internal lighting is adequate for operation.
Audio capture	Standard audio configuration is near field capture with background noise reduction.
Uniform and clothing fixings	Full range of uniform and civilian fixings (see price list).
Vehicle mounting option	Dashboard or screen mount holder option.
Network data security on USB storage media	VideoBadge does not appear as a USB storage device and cannot receive files whilst connected to a network.
Surveillance and data protection compliance	All compliance controls built in as standard. **RIPA compliance** (The Regulation of Investigatory Powers Act 2000) VideoBadge does not require RIPA authority to use, as is overt recording. **Surveillance compliance** VideoBadge front display, access restrictions and system controls for data management, provide compliance to Home Office - Surveillance Code of Practice. **Data protection** VideoBadge encrypted recordings, access restrictions, system controls and audit trail for Information Commissioner Office compliance.

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CAMERA FEATURE	DESCRIPTION / SPECIFICATION
Anti-interference shielding	Built in radio anti-interference shield tested against Police TETRA and general two-way radio coms.
Battery recharging times	Docking Station within 3 hours / USB lead 6 hours
Download / de-encryption times	5 minutes per hour of recording.
Connections	USB to local computer. VideoBadge connection choice: ✔ Single cable USB charge (trickle charge) ✔ Wire free connection with 7-way docking station, mains and single USB connection (rapid charge). ✔ System is infinitely modular scalable.
Weather proofing	IP54 weatherproof rating.
Warranty	1 year from purchase, extendable to 3 years. Special police specific warranty available.
Environmental temperature operational rating	-5°C to +40°C, non-condensing
Training	Training free system for VideoBadge operators (one click on/off) Full instruction manuals and telephone support for system managers Optional on-site set-up and training when IT also supplied by Edesix.
Recording configuration options	**Manual** Recording events as needed or continuously throughout shift, followed by download and re-issue. **Loop recording** Recording on a loop with 16 hour capacity (typically used for lone worker protection / incident capture) download in the event of incident and home charge.
Running audit track log	Usage, operations and recording details all logged and indexed.
Digital evidence integrity chain	Full audit trail with generated check-sums and watermarked evidential outputs (routinely used in criminal and civil court actions).
Frame count	Each frame is numbered and cannot be edited or amended without violating checksum.
Date & time watermark	Each frame has date and time watermark.
Time synchronisation	Time source is local PC, with options of network or web synchronisation.

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CAMERA FEATURE	DESCRIPTION / SPECIFICATION
Individual frame burning information	✔ Device ID ✔ Date and Time (UTC) ✔ Universal time clock ✔ Frame count number
WEEE compliant	Edesix observes all relevant Waste Electrical and Electronic (WEEE) regulations and honours the required arrangements for the safe disposal and recycling of its product.

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