



5G LAW-ENFORCEMENT BODY-WORN CAMERA

NF-BWC5G Body-Worn Camera

A rugged 5G wearable recorder for frontline officers — dual-camera up to 4K capture, IR night vision and live two-way video over the full 5G network, with tamper-proof, watermarked evidence and all-shift hot-swap battery life.



Full 5G network

2G/3G/4G/5G + Wi-Fi 6 — live link almost anywhere



Dual-camera, up to 4K

117° main + front lens, up to 4K30 video



IP68 · 2 m drop

Sealed, dust & waterproof; GA/T 947.2 grade



All-shift power

3300 mAh hot-swap — up to 9 h recording

BUILT FOR

Law enforcement

Security patrol

Site & safety inspection

Transport & logistics

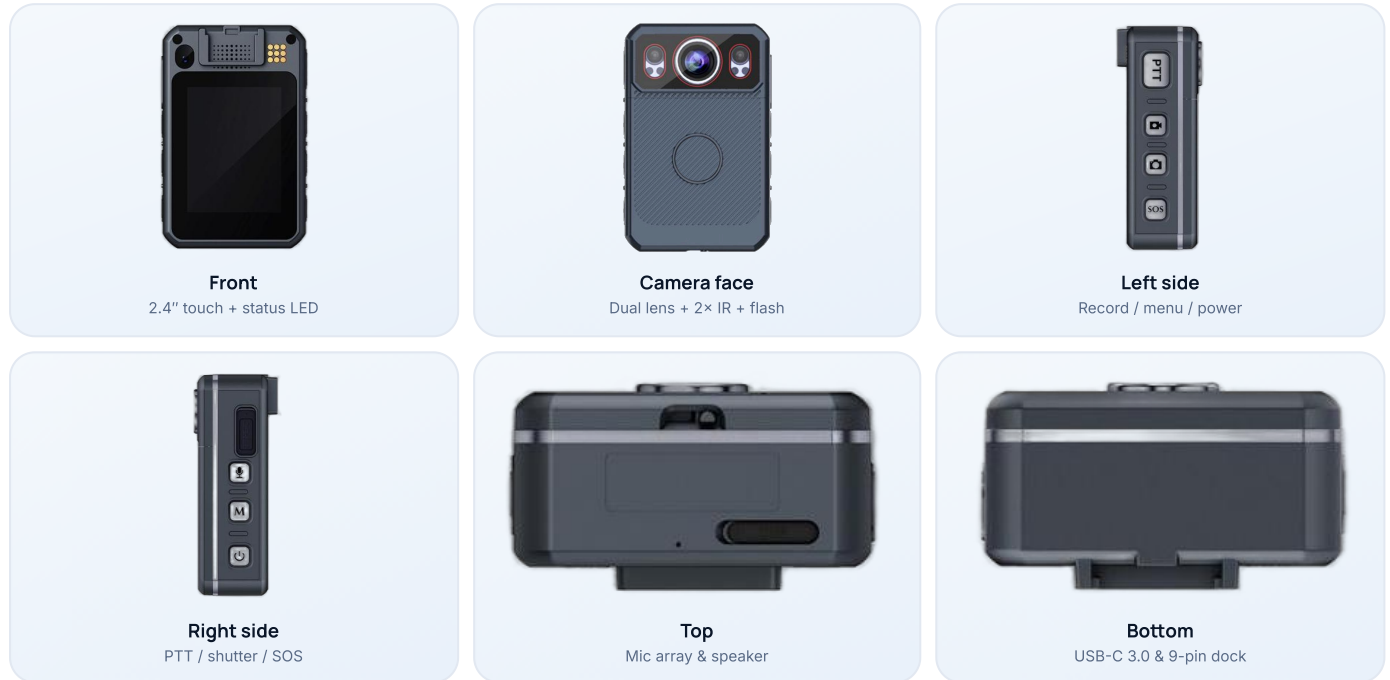
Event & crowd control

Utilities & field service

— DEVICE OVERVIEW

Built for the frontline – rugged, wearable, thumb-operated.

A pocket-size **176 g** recorder ($\leq 87 \times 55 \times 30$ mm) with a 2.4" touchscreen and dedicated physical keys, so an officer can record, talk and raise an SOS by feel — without looking down. IP68-sealed, drop-tested to 2 m and worn on a shoulder clip.



Every control under the thumb

- Record**
Short press for video; long press starts pre-record buffering
- Snapshot**
Photo while recording; long-press switches video resolution

- Audio & PTT**
One-touch push-to-talk — group & end-to-end intercom
- IR / white light**
Auto IR in the dark; manual white LED for assist lighting

- SOS**
One key marks the clip and triggers an emergency upload
- Tamper-proof**
Watermark (ID · time · GPS) and two-level password

In the box



5G performance. Evidence-grade capture.



NF-BWC5G — 5G Body-Worn Camera

A MediaTek octa-core, Android 11 wearable built around full 5G connectivity, dual cameras and a sealed, drop-proof body — clear evidence day or night, streamed and stored securely.

- HD Dual camera, up to 4K**
Rear 11.3 MP 117° + 5 MP front;
4K30 video

☀️ Full 5G network
2G/3G/4G/5G —
N1/3/28/41/77/78/79
- 💡 IR night vision**
2× 850 nm IR, ~3 m facial range

📹 EIS anti-shake
MediaTek EIS; lens distortion <16%
- 📍 Dual-band GNSS**
GPS L1+L5 · Galileo / GLONASS /
BeiDou

📶 Wi-Fi 6 + BT 5.1
802.11ax 2.4 / 5.8 GHz dual-band
- 🔌 USB-C 3.0**
Fast data offload + PD / PE+ fast
charge

💧 IP68 · 2 m drop
Sealed; 4-surface drop tested
- 🎤 Two-way video intercom**
Live talk + group dispatch over 5G

🔋 Hot-swap battery
3300 mAh · up to 9 h · >300 h
standby

INSIDE THE DEVICE

📷 Camera & Imaging

- Rear OS12D40 11.3 MP, FOV 117°, F/2.2
- Front GC5035 5 MP, FOV 50°
- Video up to 4K×2K 30 fps; photo up to 100 M
- H.264 / H.265, MP4; 16× digital zoom
- Pre-record up to 30 s; capture while recording

🛡️ Display & Build

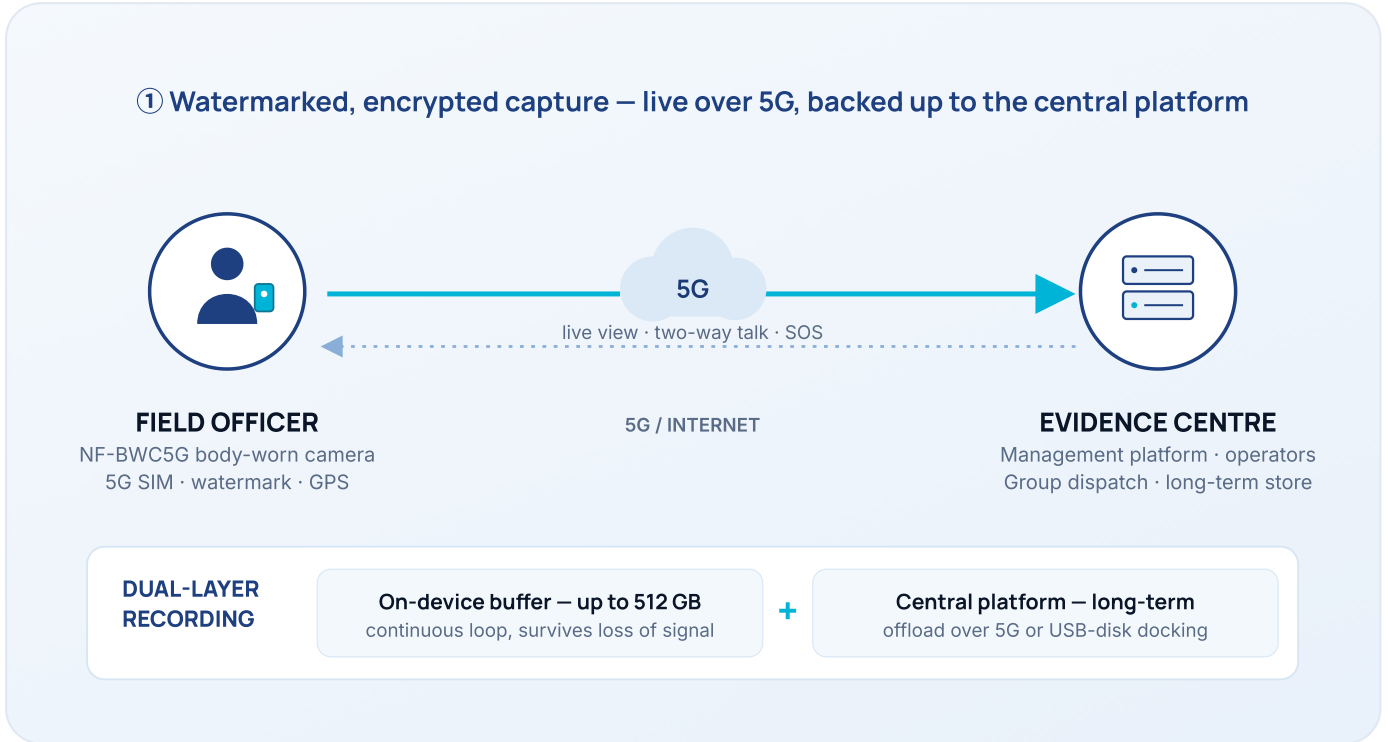
- 2.4" 480×640 capacitive touch + gesture
- Ambient-light sensor · G-sensor · gyroscope
- PC-plated shell, internal silicone keys
- IP68 sealed; 2 m drop, 4 surfaces ×4
- 176 g · ≤87×55×30 mm · badge printing


🔋 Power & Connectivity

- 3300 mAh hot-swap + 65 mAh swap buffer
- Charge <3 h · ≥500 cycles (<20% fade)
- USB-C 3.0 · Bluetooth 5.1 · Wi-Fi 6
- Dual-band GPS L1+L5 · NFC (optional)
- 9-pin dock, external NFC / camera ports


Live over 5G. Sealed, traceable evidence.

Every clip is captured with a burnt-in **watermark** — device serial, officer ID, date / time and GPS — and protected by two-level passwords, so footage is **tamper-evident** from the moment it is recorded. In the field the officer streams **live two-way video** and group intercom over **5G**; back at base, recordings offload to a **central evidence platform** over 5G or via USB-disk docking, with up to **512 GB** buffered on the device itself.







Tamper-proof
Burnt-in watermark + two-level passwords keep footage evidential.



On-device buffer
Up to 512 GB internal — keeps recording with no signal.



Central platform
Many cameras feed one console — group dispatch & storage.



Chain of custody
Serial + officer ID + GPS overlay on every recording.

The outcome

Frontline teams stream live and bank sealed, traceable evidence over standard 5G — recorded locally and centrally. New Forward supplies the cameras, configures the platform and trains your team end-to-end.

Configured & trained by NF

How it's set up: each camera is enrolled with a device serial and officer profile; watermark overlay (ID-time-GPS), recording resolution, pre-record buffer and SOS behaviour are set per fleet. Live streaming, two-way video and group intercom need the platform / dispatch software (third-party SDK integration available). Retention depends on platform storage, resolution and recording mode.

— IN THE FIELD

Built for frontline duty – worn, not carried.

Clip it to a vest, shirt or belt and forget it is there. At 176 g, IP68-sealed and drop-proof, the NF-BWC5G records hands-free through a full shift; swap the battery to keep going, then drop it into a multi-bay dock to charge and offload evidence to the platform.



Wear it all shift – then dock & offload.

A sprung multi-function clip holds the camera firmly on a vest, MOLLE panel or belt, angled to capture the officer's point of view. One key starts recording; PTT and SOS sit under the thumb. Back at base, the dock charges every unit and pulls footage into the central evidence platform — no cables to fumble.

-  176 g · IP68 · 2 m drop
-  Full-shift, hot-swap battery
-  Dock-to-platform offload

WHERE IT EARNS ITS KEEP



Urban patrol & enforcement

Night-ready 1080P/4K with IR — clear, time-stamped evidence in low light and crowds.



Field inspection & patrol

Hands-free recording on the move — sites, transport, utilities, parks and remote duty.



Fleet docking & evidence

Multi-bay dock charges the fleet and offloads recordings straight to the evidence platform.

— DEPLOYED ACROSS



Law enforcement

Patrol, response & evidence capture



Security & guarding

Manned guarding, patrol & incidents



Site & safety inspection

Construction, utilities, audits



Transport & logistics

Drivers, depots, last-mile



Event & crowd control

Stewarding & perimeter



Field service

Inspection, dispute & proof-of-work

Full specification, supply & support.

System & camera

Processor	MediaTek MT6877 octa-core 6 nm @ 2.4 GHz
Operating system	Android™ 11
Memory	4 + 64 GB (up to 6 + 128 GB)
Internal storage	64 GB standard, up to 512 GB
Rear camera	OS12D40 11.3 MP · FOV 117° · F/2.2
Front camera	GC5035 5 MP · FOV 50°
Photo / video	Photo up to 100 M · video up to 4K×2K 30 fps
Pre-record	1080P 30 fps, up to 30 s buffer
Encoding	H.264 / H.265 · MP4 · 16× digital zoom
Display	2.4" 480×640 capacitive touch + gesture
Night vision	2× 850 nm IR (~3 m) + white LED
Sensors	Ambient light · G-sensor · gyroscope
Audio	Dual MEMS mic · 8Ω 1.5 W IP68 speaker
OSD language	English / Chinese · TTS voice prompts

Connectivity, power & build

Mobile network	Full 2G / 3G / 4G / 5G
5G bands	N1 / 3 / 28 / 41 / 77 / 78 / 79
Wi-Fi	802.11 a/b/g/n/ac/ax (Wi-Fi 6) 2.4 / 5.8 GHz
Bluetooth	BT 5.1
Positioning	GPS L1+L5 · Galileo / GLONASS / BeiDou
Interfaces	USB-C 3.0 · 9-pin dock · NFC (optional)
Main battery	3300 mAh 3.8 V, hot-swap replaceable
Swap buffer	65 mAh built-in (≈5 min battery change)
Recording time	Up to 9 h (flight) · >3.5 h live stream
Standby	>300 h
Charging	<3 h · ≥500 cycles (<20% fade)
Protection	IP68 tested; ≥IP66 production (GA/T 947.2-2015)
Drop / temp.	2 m ×4 surfaces · -30 °C to +55 °C
Size / weight	≤87×55×30 mm · 176 g

TURNKEY SUPPLY & SUPPORT



5G data & SIM

Mobile data plan and SIM provisioning for the fleet.



Deploy & configure

Officer enrolment, watermark / badge setup and platform integration.



Maintenance – 1 year

On-site service · battery & accessory replacement · rapid response.

Why New Forward Technology



Licensed & certified

HK Security Company Licence No. 2327 — one-stop supply, deploy & maintain.



End-to-end integration

Cameras, evidence platform and dispatch wired together and commissioned.



Local support

Hong Kong-based supply, training and after-sales service.

Equipping a frontline team?

Request a tailored quotation or a demo unit — we handle supply, configuration, platform integration and maintenance end-to-end.

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NF-BWC5G is supplied and supported by New Forward Technology Limited; the model designation is New Forward's own. MediaTek™ is a trademark of MediaTek Inc.; Android™ is a trademark of Google LLC — named here only as integrated components. Specifications are indicative and subject to change without notice; product and specification images depict the actual device. Application / lifestyle scenes are illustrative (AI-rendered) for context only. IP68 reflects laboratory testing to GA/T 947.2-2015; mass-production units meet at least IP66 per order. Configuration (memory, storage, accessories, platform) is tailored per deployment. © 2026 New Forward Technology Limited.