

## **ITEM FOR FINANCE COMMITTEE**

### **CAPITAL WORKS RESERVE FUND**

#### **HEAD 710 – COMPUTERISATION**

##### **Hong Kong Police Force**

##### **New Subhead “Development of the Territory-wide Closed-Circuit Television System under the “SmartView” programme”**

Members are invited to approve the creation of a new commitment of \$4,066,482,000 for the development of the territory-wide closed-circuit television system under the “SmartView” programme by the Hong Kong Police Force.

### **PROBLEM**

The Hong Kong Police Force (HKPF) needs to implement the second and third phases of the “SmartView” programme to expand the closed-circuit television (CCTV) system network across the territory, with a view to enhancing the effectiveness in preventing and fighting crimes across all districts of Hong Kong, thereby achieving the objective of enhancing public safety while further improving policing efficiency through the application of technology.

### **PROPOSAL**

2. The Commissioner of Police, with the support of the Secretary for Security and the Commissioner for Digital Policy, proposes to create a new commitment of \$4,066,482,000 for the development of the territory-wide CCTV System under the “SmartView” programme.

**/JUSTIFICATION .....**

## JUSTIFICATION

### **Development of the Territory-wide CCTV System under the “SmartView” programme**

3. The “SmartView” programme is a Government-led, territory-wide initiative to install CCTVs in public places with high crime rate and pedestrian flow. It is implemented by HKPF in collaboration with different government departments, following the coordination of inter-departmental resources and in accordance with the guiding principles provided by the “Steering Committee on District Governance” chaired by the Chief Secretary for Administration. The first phase of the “SmartView” programme was completed by end 2025, with a total of about 5 000 CCTV cameras installed in various locations and about 6 000 CCTV cameras of other government departments and organisations connected. Since its implementation in April 2024 and up to February 2026, the “SmartView” programme has assisted HKPF in detecting 990 cases, including serious crimes such as murder and robbery, yielding remarkable results.

4. The Chief Executive proposed in his 2025 Policy Address that after achieving the objectives of the first phase of the “SmartView” programme, the Government will proceed to the second phase to enhance CCTV system network across the territory. Over 20 000 cameras will be added annually and a total of about 60 000 cameras are expected to cover the entire city in 2028. More real-time data will be used to assist in smart management, enhance the detection of unforeseen incidents to reduce response time and expedite crime detection, thereby better protecting the public while ensuring transparent and secure use of data.

5. Having regard to the needs of newly developed communities in the coming years, upon achieving the established objectives of the second phase in 2028, HKPF plans to implement the third phase of the project between 2028 and 2031. About 6 500 cameras will be added to further enhance the effectiveness and coverage of the “SmartView” system.

#### *Expanding CCTV coverage to facilitate law enforcement*

6. Installing CCTVs in public places is a well-established measure among law enforcement agencies around the world, with numerous successful examples. According to various studies and public information, CCTV cameras have long been installed in public places in the Chinese Mainland and Macao, the United Kingdom, Germany, Australia, Singapore and Japan to facilitate law enforcement. In the second and third phases of the “SmartView” programme, the coverage of CCTV system will be further expanded to cover not only crime black spots but also other locations, like major roads, critical infrastructures, access to MTR stations, Light Rail platforms and public transport interchanges.

*Consolidating third-party CCTV resources*

7. At present, various government departments and public bodies have in place CCTV systems to cater for their security and crowd management needs. In case investigation, if investigating officers locate CCTVs that are installed at specific locations, they will need to contact different departments and organisations for viewing the footages before they can consolidate the information captured by different cameras to track the target individual or vehicle, which is a time-consuming and strenuous process. The second and third phases of the “SmartView” programme will connect to CCTV systems of more government departments and public bodies, for example those used in tunnels, common areas of public housing estates, recreation and sports venues, the airport and boundary control points. By connecting CCTVs of other organisations into “SmartView”, investigating officers can directly and immediately search for related CCTV footages in the system. This will resolve the problem of having to access CCTV systems of various departments and organisations, thereby enhancing operational efficiency in case investigation. To further enhance the effectiveness of Police-public co-operation in preventing and fighting crime, HKPF is also exploring collaboration with private commercial organisations to integrate suitable CCTVs into the “SmartView” system.

*Enhancing the use of artificial intelligence (AI)*

8. The “SmartView” system is currently equipped with AI-powered functions, such as crowd size analysis and automatic number plate recognition. As the number of CCTVs increases and video analytics technology matures, HKPF plans to introduce more AI-powered video analytic functions to enhance the efficiency of crowd management operations and enable early identification of persons involved in serious crime or wanted persons, thereby facilitating police investigation. Using AI technology to conduct analysis can also facilitate crime detection and investigation, shorten the time required for officers to search and view footages, and improve policing efficiency.

**Proposed second and third phases of the “SmartView” programme***Installation of CCTV cameras and connection to third-party CCTVs*

9. By analysing crime black spots and densely populated areas across various districts in Hong Kong with available data, we identify suitable strategic locations for installing cameras or connecting to third-party CCTV systems, so as to expand the coverage of CCTVs and facilitate law enforcement.

*/Establishment .....*

*Establishment of network infrastructures*

10. With the gradual increase in the number and coverage of CCTV cameras, relevant network infrastructures, including optical fibre networks and network equipment, need to be upgraded to ensure stable transmission of CCTV footages.

*Expansion of video management system*

11. The existing video management system of the “SmartView” programme was launched in 2024. With the increase in the number of CCTVs in the second and third phases, the volume of data to be processed by the system will rise significantly. Therefore, there is a need to expand system capacity and upgrade its processors accordingly.

*Building an AI-powered video analytics toolbox*

12. We plan to build an AI-powered video analytics toolbox to analyse CCTV footages of the “SmartView” system using AI technology. The platform will make use of efficient algorithms to rapidly analyse the footages, thereby assisting the Police in preventing and fighting crimes.

*Proposed procurement arrangements*

13. The “SmartView” programme is related to the day-to-day law enforcement work of HKPF and has a direct bearing on national security, public safety, public order and the maintenance of law and order. Based on geopolitical risk assessment and taking into account the potential medium to long term risks on the supply chain and information security, HKPF considers it necessary to ensure the security and reliability of the project, stability of the supply chain, long term security and availability of the system, and stable interface with the operation of the first phase. Under such circumstances, HKPF proposes to adopt the direct engagement approach in procurement for the “SmartView” programme.

**Expected Benefits**

14. The second and third phases of the “SmartView” programme are expected to bring about the following benefits –

*/Preventing .....*

*Preventing crime*

15. Increasing the number of CCTV cameras will expand the overall coverage, create a strong deterrent effect on potential criminal activities and effectively enhance crime prevention across all districts in Hong Kong. Public safety will be enhanced, and Hong Kong will maintain as one of the safest and most stable cities in the world.

*Enhancing efficiency in crime detection and investigation and law enforcement*

16. Based on real-time information provided by CCTV system, HKPF can grasp more effectively the status and development of unforeseen incidents and formulate better response strategies and manpower deployment plans, thereby enhancing the overall response capabilities. Leveraging the AI-powered video analytics toolbox, the Police will be able to track and search for target persons and vehicles in a speedier and more precise manner, which enhances the efficiency in crime investigation and detection. In particular, in mounting operations involving interception of target vehicles, it is expected that the target's location range can be accurately predicted with more comprehensive real-time information.

*Managing public events effectively*

17. In major public events, a comprehensive CCTV system will facilitate crowd management and ensure smooth operation of the events, which help maintain Hong Kong's position as an events capital. With video analytics technology, the system can perform real-time crowd density assessments, so that the Police will be able to carry out better crowd management measures and detect high-risk behaviour, thereby mitigating the impact of unforeseen incidents and better protecting the safety of the public and visitors.

/FINANCIAL .....

**FINANCIAL IMPLICATIONS****Non-recurrent Expenditure**

18. The proposed second and third phases of the “SmartView” programme entail an estimated non-recurrent expenditure of \$4,066,482,000 from 2026-27 to 2031-32. The breakdown is as follows –

	<b>2026-27</b>	<b>2027-28</b>	<b>2028-29</b>	<b>2029-30</b>	<b>2030-31</b>	<b>2031-32</b>	<b>Total</b>
	<b>(\$'000)</b>	<b>(\$'000)</b>	<b>(\$'000)</b>	<b>(\$'000)</b>	<b>(\$'000)</b>	<b>(\$'000)</b>	<b>(\$'000)</b>
(a) Hardware	244,496	249,781	140,618	50,741	62,914	144,657	<b>893,207</b>
(b) Software	45,390	88,863	78,016	28,713	28,903	83,159	<b>353,044</b>
(c) Communication Network	387,390	387,390	135,195	68,398	68,398	264,403	<b>1,311,174</b>
(d) Implementation Services	100,893	110,279	70,192	59,895	66,464	548,724	<b>956,447</b>
(e) Contract Staff	39,379	39,379	42,882	32,575	34,979	26,481	<b>215,675</b>
(f) Site Preparation	19,236	19,380	1,370	748	1,115	-	<b>41,849</b>
(g) Training	424	438	137	75	112	-	<b>1,186</b>
(h) Others	27,270	45,450	4,545	4,545	9,090	-	<b>90,900</b>
<b>Sub-total</b>	<b>864,478</b>	<b>940,960</b>	<b>472,955</b>	<b>245,690</b>	<b>271,975</b>	<b>1,067,424</b>	<b>3,863,482</b>
(i) Contingency	45,423	49,441	24,851	12,909	14,290	56,086	<b>203,000</b>
<b>Total</b>	<b>909,901</b>	<b>990,401</b>	<b>497,806</b>	<b>258,599</b>	<b>286,265</b>	<b>1,123,510</b>	<b>4,066,482</b>

19. Regarding paragraph 18(a) above, the estimated expenditure of \$893,207,000 is for acquisition and installation of hardware, including servers, CCTVs, storage devices and network equipment.

20. Regarding paragraph 18(b) above, the estimated expenditure of \$353,044,000 is for acquisition of related computer software, including system software for system management, application server, database and system backup.

21. Regarding paragraph 18(c) above, the estimated expenditure of \$1,311,174,000 is for acquisition of optical fibre network connections.

22. Regarding paragraph 18(d) above, the estimated expenditure of \$956,447,000 is for engaging service providers to provide system implementation and support services. Major implementation work include system analysis and design, application development, as well as system installation and configuration.

23. Regarding paragraph 18(e) above, the estimated expenditure of \$215,675,000 is for hiring contract information technology professional staff to provide project management services, including project planning and monitoring, liaison with project stakeholders, co-ordination of site preparation and infrastructure, support of system development and acceptance testing.

24. Regarding paragraph 18(f) above, the estimated expenditure of \$41,849,000 is for site preparation and wiring works.

25. Regarding paragraph 18(g) above, the estimated expenditure of \$1,186,000 is for providing training for police officers on system operation.

26. Regarding paragraph 18(h) above, the estimated expenditure of \$90,900,000 is for the on-site supervision, testing and commissioning costs of the Electrical and Mechanical Services Trading Fund, and the costs of the Security Risk Assessment and Audit and Privacy Impact Assessment of the system.

27. Regarding paragraph 18(i) above, the estimated expenditure of \$203,000,000 represents a 5.3% contingency on items (a) to (h) of paragraph 18 above.

### **Other Non-recurrent Expenditure**

28. The implementation of the second and third phases of the “SmartView” programme will require the setting up of a dedicated project management team within HKPF to handle matters related to the procurement of hardware, software and services, site preparation, acceptance test and implementation support, etc. This will entail an estimated non-recurrent staff cost of \$32,449,000 per annum from 2026-27 to 2031-32. HKPF will review the staffing requirement nearer the time and include the provision in the estimates of the respective years.

**/Recurrent .....**

### Recurrent Expenditure

29. The estimated recurrent expenditure for the proposed second and third phases of the “SmartView” programme will be \$72,926,000 in 2026-27, and will increase gradually to \$243,119,000 per annum from 2036-37 onwards with the growing number of CCTVs. The relevant expenditure covers hardware and software maintenance, communications network, contract staff services and consumables. The breakdown is as follows –

	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33 to 2035-36	2036-37 onwards
	(\$'000)	(\$'000)	(\$'000)	(\$'000)	(\$'000)	(\$'000)	(\$'000)	(\$'000)
(a) Hardware repair and maintenance	49,751	49,798	50,126	56,351	56,396	56,396	56,396	144,579
(b) System software maintenance	13,331	14,103	14,623	17,306	17,407	17,407	17,407	36,880
(c) Communications network	3,840	6,220	9,439	15,787	15,787	15,787	15,787	21,673
(d) Contract staff	-	-	-	-	-	-	26,481	26,481
(e) Consumables	6,004	10,221	10,706	10,706	12,106	13,506	13,506	13,506
<b>Total</b>	<b>72,926</b>	<b>80,342</b>	<b>84,894</b>	<b>100,150</b>	<b>101,696</b>	<b>103,096</b>	<b>129,577</b>	<b>243,119</b>

30. Regarding paragraph 29(a) above, the annual estimated expenditure of \$144,579,000 is for hardware repair and maintenance services and related expenses.

31. Regarding paragraph 29(b) above, the annual estimated expenditure of \$36,880,000 is for the maintenance and support services of software, such as the video management system and the AI-powered video analytics toolbox.

32. Regarding paragraph 29(c) above, the annual estimated expenditure of \$21,673,000 is for providing data transmission services for CCTVs.

33. Regarding paragraph 29(d) above, the annual estimated expenditure of \$26,481,000 is for hiring contract information technology professionals to collaborate with the internal technical team in the maintenance of applications and infrastructure as well as enhancing system functions when necessary.

34. Regarding paragraph 29(e) above, the annual estimated expenditure of \$13,506,000 is for replacing consumables, such as batteries of CCTV system.

### **Other Recurrent Expenditure**

35. The implementation of the second and third phases of the “SmartView” programme will entail an estimated recurrent staff cost of \$25,718,000 per annum from 2032-33 onwards. The expenditure covers the management and monitoring of daily operation of the system, provision of remote support services, and the co-ordination of use of system across police districts. HKPF will review the staffing requirement nearer the time and reflect the provision in the estimates of the respective years.

### **Cost Savings**

36. The “SmartView” programme will increase the efficiency of law enforcement actions and crowd management, saving manpower currently used for repetitive tasks such as searching and viewing CCTV footages. HKPF estimates that there will be an annual notional savings of \$19,740,000 from 2028-29 onwards. The manpower saved will be redeployed to other increasingly heavy police duties that require the professional judgement of police officers.

Encl. 37. The cost and benefit analysis for the proposed second and third phases of the “SmartView” programme is at Enclosure.

### **IMPLEMENTATION PLAN**

38. Subject to funding approval of the Finance Committee (FC), it is expected that the contract for the second and third phases of the “SmartView” programme will be awarded in April 2026 with full operation scheduled for March 2031. The project implementation plan is as follows –

<b>Main Task</b>	<b>Target Completion Date</b>
(a) Seeking funding approval from FC	March 2026
(b) Award of contract	April 2026
(c) Commencement of second phase	April 2026
(d) Completion of second phase	March 2028
(e) Commencement of third phase	April 2028
(f) Completion of third phase	March 2031
(g) Full operation of the system	March 2031

**PUBLIC CONSULTATION**

39. We consulted the Legislative Council Panel on Security on the above proposal on 24 February 2026. The Panel supported the submission of the above proposal to FC for approval.

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Security Bureau  
Hong Kong Police Force  
March 2026

## Cost and Benefit Analysis for the Development of the Territory-wide Closed-circuit Television System under the “SmartView” programme

Item	Cash flow (\$'000)											
	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	Total
<b>1. Non-recurrent</b>												
Expenditure	909,901	990,401	497,806	258,599	286,265	1,123,510	-	-	-	-	-	4,066,482
Staff cost <sup>1</sup>	32,449	32,449	32,449	32,449	32,449	32,449	-	-	-	-	-	194,694
<b>Total Non-recurrent Cost</b>	<b>942,350</b>	<b>1,022,850</b>	<b>530,255</b>	<b>291,048</b>	<b>318,714</b>	<b>1,155,959</b>	-	-	-	-	-	<b>4,261,176</b>
<b>2. Recurrent</b>												
Expenditure	72,926	80,342	84,894	100,150	101,696	103,096	129,577	129,577	129,577	129,577	243,119	1,304,531
Staff cost <sup>1</sup>	-	-	-	-	-	-	25,718	25,718	25,718	25,718	25,718	128,590
<b>Total Recurrent Cost</b>	<b>72,926</b>	<b>80,342</b>	<b>84,894</b>	<b>100,150</b>	<b>101,696</b>	<b>103,096</b>	<b>155,295</b>	<b>155,295</b>	<b>155,295</b>	<b>155,295</b>	<b>268,837</b>	<b>1,433,121</b>
<b>Total Non-recurrent and Recurrent Cost (A)</b>	<b>1,015,276</b>	<b>1,103,192</b>	<b>615,149</b>	<b>391,198</b>	<b>420,410</b>	<b>1,259,055</b>	<b>155,295</b>	<b>155,295</b>	<b>155,295</b>	<b>155,295</b>	<b>268,837</b>	<b>5,694,297</b>
<b>3. Savings</b>												
Recurrent notional savings <sup>2</sup>	-	-	19,740	19,740	19,740	19,740	19,740	19,740	19,740	19,740	19,740	177,660
<b>Total Savings (B)</b>	<b>-</b>	<b>-</b>	<b>19,740</b>	<b>19,740</b>	<b>19,740</b>	<b>19,740</b>	<b>19,740</b>	<b>19,740</b>	<b>19,740</b>	<b>19,740</b>	<b>19,740</b>	<b>177,660</b>
<b>Net Savings (C) = (B) - (A)</b>	<b>(1,015,276)</b>	<b>(1,103,192)</b>	<b>(595,409)</b>	<b>(371,458)</b>	<b>(400,670)</b>	<b>(1,239,315)</b>	<b>(135,555)</b>	<b>(135,555)</b>	<b>(135,555)</b>	<b>(135,555)</b>	<b>(249,097)</b>	<b>(5,516,637)</b>
<b>Net Cumulative Savings</b>	<b>(1,015,276)</b>	<b>(2,118,468)</b>	<b>(2,713,877)</b>	<b>(3,085,335)</b>	<b>(3,486,005)</b>	<b>(4,725,320)</b>	<b>(4,860,875)</b>	<b>(4,996,430)</b>	<b>(5,131,985)</b>	<b>(5,267,540)</b>	<b>(5,516,637)</b>	

<sup>1</sup> Staff cost to be absorbed within existing resources.

<sup>2</sup> Recurrent notional savings mainly arise from the enhanced efficiency in law enforcement actions and crowd management upon implementation of the second and third phases of the “SmartView” programme. Since the relevant manpower is currently deployed for supporting other tasks as well, the cost savings cannot be realised through deletion of posts. However, the fragmented manpower saved will be redeployed to support other police duties.