

## Network Camera-V5.7.11 Release Note-E10 (2023-03-08)

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| Firmware Basic Information | Firmware version: | V5.7.11 build230308 |
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### New Features

1. Release 3x1 zoom products, 2.7-13.5mm.
2. Support the function of user-defined OSD overlay without writing Flash, which is realized by adding a new OSD user-defined character overlay node, corresponding to isPersistentText, Please check the protocol document for details. Web with camera is not integrated, and is only used for third-party tool invocation. When the third party is configured to be off, it supports the fast stacking of OSD characters without saving to the database. The stacking speed can be as fast as 100ms once, and the stacking content does not flash. The new mode does not support the national standard mode. When the customer opens the national standard mode and the new mode at the same time, the new mode will not take effect and will be returned directly to protect Flash. Return prompt: The national standard mode in OSD alignment does not support this function.

### Modify Function

1. The SDK service port can take effect without restarting after modification.
2. Network ->Advanced Parameters ->New ONVIF authentication configuration is added on the integration protocol page. It supports Digest, Digest&ws-username token mode configuration, and Digest is supported by default, Onvif anti-replay is realized.

## Note

### Customer Impact and Recommended Action

**Remarks:**

- Hikvision reserves the right to change, alter or withdraw the above notification without prior notice.
- Product design and specifications are subject to change without prior notice.
- The Hikvision firmware may contain errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.
- Hikvision is not liable for any typing or printing errors.

Hikvision Digital Technology CO., Ltd.  
No. 555 Qianmo Road, Binjiang District, Hangzhou 310051,  
China  
Tel: +86-571-8807-5998  
FAX: +86-571-8993-5635  
Email: [overseabusiness@hikvision.com](mailto:overseabusiness@hikvision.com)

| Supported Product List |  |
|------------------------|--|
| Product Category       | Model Number   |
| IPC 1 Series           | DS-2CD1147G2-LUF(2.8mm)(O-STD)                       |
| IPC 1 Series           | DS-2CD1147G2-L(4mm)(O-NEU)                           |
| IPC 3 Series           | DS-2CD3021G2-LIUF(2.8mm)(O-STD)                      |
| IPC 3 Series           | DS-2CD3021G2-LIUF(4mm)(O-STD)                        |
| IPC 3 Series           | DS-2CD3021G2-LIUF(6mm)(O-STD)                        |
| IPC 3 Series           | DS-2CD3041G2-LIUF(2.8mm)(O-STD)                      |
| IPC 1 Series           | DS-2CD1147G2-L(4mm)(O-STD)                           |
| IPC 1 Series           | DS-2CD1147G2-L(2.8mm)(O-NEU)                         |
| IPC 1 Series           | DS-2CD1147G2-L(2.8mm)(O-STD)                         |
| IPC 1 Series           | DS-2CD1047G2-LUF(4mm)(O-STD)                         |
| IPC 1 Series           | DS-2CD1047G2-LUF(2.8mm)(O-STD)                       |
| IPC HiWatch Series     | HWI-B140HA(4mm)(HiWatch-STD)                         |
| IPC HiWatch Series     | HWI-T249HA(4mm)(HiWatch-STD)                         |
| IPC HiWatch Series     | HWI-B140HA(2.8mm)(HiWatch-STD)                       |
| IPC HiWatch Series     | HWI-T249HA(2.8mm)(HiWatch-STD)                       |
| IPC 1 Series           | DS-2CD1347G2-LU(4mm)(India STD)                      |
| IPC HiWatch Series     | HWI-B140HA-LD/W(2.8mm)(HiWatch-STD)/Special for suit |
| IPC HiWatch Series     | HWI-B140HA-LD/W(4mm)(HiWatch-STD)/Special for suit   |

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| IPC HiWatch Series  | HWI-B140HA-LD/W(6mm)(HiWatch-STD)/Special for suit |
| IPC 1 Series        | DS-2CD1347G2-LU(2.8mm)(India STD)                  |
| IPC 1 Series        | DS-I400(D)(6mm)(RU HW)                             |
| IPC 3 Series        | DS-2CD3721G2-IZS(2.7-13.5mm)(O-NEU)                |
| IPC 3 Series        | DS-2CD3721G2-IZS(2.7-13.5mm)(O-STD)                |
| IPC 1 Series        | DS-2CD1147G2-LUF(2.8mm)(O-NEU)                     |
| IPC HiWatch Series  | HWI-D149HA(2.8mm)(HiWatch-STD)                     |
| IPC Wireless Series | DS-2CV1043G2-LIDW(4mm)(O-STD)/Special for suit     |
| IPC Wireless Series | DS-2CV1043G2-LIDW(6mm)(O-STD)/Special for suit     |
| IPC 1 Series        | DS-2CD1147G2-LUF(4mm)(O-NEU)                       |
| IPC 1 Series        | DS-2CD1147G2-LUF(4mm)(O-STD)                       |
| IPC Wireless Series | DS-2CV1043G2-LIDW(2.8mm)(O-STD)/Special for suit   |
| IPC 3 Series        | DS-2CD3041G2-LIUF(4mm)(O-STD)                      |
| IPC 3 Series        | DS-2CD3041G2-LIUF(6mm)(O-STD)                      |
| IPC 1 Series        | DS-2CD1H43G2-IZ(2.8-12mm)(O-STD)                   |
| IPC 1 Series        | DS-2CD1P47G2-LUF(4mm)(O-STD)                       |
| IPC 1 Series        | DS-2CD1T43G2-LIU(6mm)(O-NEU)                       |
| IPC 3 Series        | DS-2CD3121G2-I(2.8mm)(O-STD)                       |
| IPC 1 Series        | DS-2CD1P47G2-L(4mm)(O-STD)                         |
| IPC 3 Series        | DS-2CD3T47G2E-LUF(6mm)(O-STD)                      |
| IPC 1 Series        | DS-2CD1P27G2-LUF(4mm)(O-STD)                       |
| IPC 3 Series        | DS-2CD3T47G2E-LUF(4mm)(O-STD)                      |
| IPC 1 Series        | DS-2CD1P27G2-L(4mm)(O-STD)                         |
| IPC 3 Series        | DS-2CD3T27G2E-LUF(6mm)(O-STD)                      |
| IPC 3 Series        | DS-2CD3741G2-IZS(2.7-13.5mm)(O-STD)                |
| IPC 1 Series        | DS-2CD1T43G2-LIUF(4mm)(O-NEU)                      |
| IPC HiWatch Series  | HWI-B449HA(6mm)(HiWatch-STD)                       |
| IPC 1 Series        | DS-2CD1T43G2-LIU(4mm)(O-NEU)                       |
| IPC 3 Series        | DS-2CD3121G2-I(4mm)(O-STD)                         |
| IPC HiWatch Series  | HWI-B449HA(4mm)(HiWatch-STD)                       |
| IPC 1 Series        | DS-2CD1T43G2-LIUF(6mm)(O-NEU)                      |
| IPC 3 Series        | DS-2CD3121G2-I(2.8mm)(O-NEU)                       |
| IPC 1 Series        | DS-2CD1643G2-IZ(2.8-12mm)(O-STD)                   |
| IPC 1 Series        | DS-2CD1623G2-IZS(2.8-12mm)(O-NEU)                  |
| IPC 1 Series        | DS-2CD1T47G2-L(6mm)(O-STD)                         |
| IPC 1 Series        | DS-2CD1P43G2-IUF(4mm)(O-STD)                       |
| IPC 3 Series        | DS-2CD3T27G2E-LUF(4mm)(O-STD)                      |
| IPC 1 Series        | DS-2CD1T47G2-LUF(6mm)(O-STD)                       |
| IPC 1 Series        | DS-2CD1643G2-IZS(2.8-12mm)(O-NEU)                  |
| IPC 1 Series        | DS-2CD1P43G2-I(4mm)(O-STD)                         |
| IPC 3 Series        | DS-2CD3T21G2-IUF(6mm)(O-STD)                       |
| IPC 1 Series        | DS-2CD1T47G2-L(4mm)(O-STD)                         |
| IPC 1 Series        | DS-2CD1643G2-IZS(2.8-12mm)(O-STD)                  |
| IPC 3 Series        | DS-2CD3T21G2-IUF(4mm)(O-STD)                       |
| IPC 1 Series        | DS-2CD1T47G2-LUF(4mm)(O-STD)                       |

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| IPC 1 Series       | DS-2CD1643G2-IZ(2.8-12mm)(O-NEU)    |
| IPC 3 Series       | DS-2CD3T21G2-IUF(2.8mm)(O-STD)      |
| IPC 1 Series       | DS-2CD1623G2-IZ(2.8-12mm)(O-NEU)    |
| IPC HiWatch Series | HWI-B440HA(4mm)(HiWatch-STD)        |
| IPC 1 Series       | DS-2CD1623G2-IZ(2.8-12mm)(O-STD)    |
| IPC 1 Series       | DS-2CD1043G2-I(4mm)(T)(O-STD)       |
| IPC 1 Series       | DS-2CD1143G2-I(2.8mm)(T)(O-STD)     |
| IPC 1 Series       | DS-2CD1143G2-I(4mm)(T)(O-STD)       |
| IPC 1 Series       | DS-2CD1623G2-IZS(2.8-12mm)(O-STD)   |
| IPC HiWatch Series | HWI-B440HA(6mm)(HiWatch-STD)        |
| IPC 1 Series       | DS-2CD1043G2-I(2.8mm)(T)(O-STD)     |
| IPC 3 Series       | DS-2CD3321G2-IUF(4mm)(O-STD)        |
| IPC 3 Series       | DS-2CD3321G2-IUF(4mm)(O-NEU)        |
| IPC 3 Series       | DS-2CD3321G2-IUF(2.8mm)(O-STD)      |
| IPC 1 Series       | DS-2CD1347G2-L(2.8mm)(O-NEU)        |
| IPC 1 Series       | DS-2CD1043G2-I(2.8mm)(O-STD)        |
| IPC 3 Series       | DS-2CD3347G2E-LUF(2.8mm)(O-NEU)     |
| IPC 1 Series       | DS-2CD1347G2-L(2.8mm)(O-STD)        |
| IPC 3 Series       | DS-2CD3327G2E-LUF(4mm)(O-STD)       |
| IPC 1 Series       | DS-2CD1347G2-LUF(4mm)(O-NEU)        |
| IPC 3 Series       | DS-2CD3321G2-IUF(2.8mm)(O-NEU)      |
| IPC 1 Series       | DS-2CD1043G2-IUF(4mm)(O-STD)        |
| IPC 3 Series       | DS-2CD3347G2E-LUF(4mm)(O-STD)       |
| IPC 1 Series       | DS-2CD1347G2-L(4mm)(O-NEU)          |
| IPC 1 Series       | DS-2CD1043G2-IUF(2.8mm)(O-STD)      |
| IPC 3 Series       | DS-2CD3347G2E-LUF(4mm)(O-NEU)       |
| IPC 1 Series       | DS-2CD1347G2-L(4mm)(O-STD)          |
| IPC 1 Series       | DS-2CD1043G2-I(4mm)(O-STD)          |
| IPC 3 Series       | DS-2CD3347G2E-LUF(2.8mm)(O-STD)     |
| IPC 1 Series       | DS-2CD1347G2-LUF(4mm)(O-STD)        |
| IPC 3 Series       | DS-2CD3327G2E-LUF(2.8mm)(O-STD)     |
| IPC 1 Series       | DS-2CD1347G2-LUF(2.8mm)(O-NEU)      |
| IPC HiWatch Series | HWI-T620HA-Z(2.8-12mm)(HiWatch-STD) |
| IPC 3 Series       | DS-2CD3327G2E-LUF(2.8mm)(O-NEU)     |
| IPC 1 Series       | DS-2CD1347G2-LUF(2.8mm)(O-STD)      |
| IPC 3 Series       | DS-2CD3327G2E-LUF(4mm)(O-NEU)       |
| IPC 1 Series       | DS-2CD1H43G2-IZS(2.8-12mm)(O-NEU)   |
| IPC HiWatch Series | HWI-D140HA(4mm)(HiWatch-STD)        |
| IPC HiWatch Series | HWI-D140HA(2.8mm)(HiWatch-STD)      |
| IPC 3 Series       | DS-2CD3021G2-I(2.8mm)(O-STD)        |
| IPC 1 Series       | DS-2CD1T43G2-LIU(4mm)(O-STD)        |
| IPC 1 Series       | DS-2CD1T43G2-LIUF(4mm)(O-STD)       |
| IPC 1 Series       | DS-2CD1143G2-LIU(2.8mm)(O-STD)      |
| IPC 1 Series       | DS-2CD1143G2-LIU(2.8mm)(O-NEU)      |
| IPC 1 Series       | DS-2CD1143G2-I(2.8mm)(O-STD)        |

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| IPC 1 Series       | DS-2CD1143G2-IUF(2.8mm)(O-STD)      |
| IPC HiWatch Series | HWI-T240HA-LU(2.8mm)(HiWatch-STD)   |
| IPC 1 Series       | DS-2CD1143G2-I(4mm)(O-NEU)          |
| IPC 1 Series       | DS-2CD1143G2-I(4mm)(O-STD)          |
| IPC 1 Series       | DS-2CD1143G2-I(2.8mm)(O-NEU)        |
| IPC 1 Series       | DS-2CD1143G2-IUF(4mm)(O-NEU)        |
| IPC 1 Series       | DS-2CD1143G2-IUF(4mm)(O-STD)        |
| IPC 1 Series       | DS-2CD1143G2-IUF(2.8mm)(O-NEU)      |
| IPC HiWatch Series | HWI-T240HA-LU(4mm)(HiWatch-STD)     |
| IPC 3 Series       | DS-2CD3741G2-IZS(2.7-13.5mm)(O-NEU) |
| IPC HiWatch Series | HWI-D140HA-LU(2.8mm)(HiWatch-STD)   |
| IPC HiWatch Series | HWI-D140HA-LU(4mm)(HiWatch-STD)     |
| IPC HiWatch Series | HWI-T640HA-Z(2.8-12mm)(HiWatch-STD) |
| IPC 1 Series       | DS-2CD1T43G2-I(6mm)(O-STD)          |
| IPC 1 Series       | DS-2CD1T43G2-IUF(6mm)(O-STD)        |
| IPC HiWatch Series | HWI-T240HA(4mm)(HiWatch-STD)        |
| IPC 1 Series       | DS-2CD1T43G2-I(4mm)(O-STD)          |
| IPC HiWatch Series | HWI-T240HA(2.8mm)(HiWatch-STD)      |
| IPC 1 Series       | DS-2CD1T43G2-IUF(4mm)(O-STD)        |
| IPC 1 Series       | DS-2CD1343G2-I(4mm)(O-NEU)          |
| IPC 1 Series       | DS-2CD1343G2-I(4mm)(O-STD)          |
| IPC 1 Series       | DS-2CD1143G2-LIUF(2.8mm)(O-NEU)     |
| IPC 1 Series       | DS-2CD1143G2-LIUF(4mm)(O-STD)       |
| IPC 1 Series       | DS-2CD1143G2-LIUF(4mm)(O-NEU)       |
| IPC 1 Series       | DS-2CD1143G2-LIU(4mm)(O-STD)        |
| IPC 1 Series       | DS-2CD1143G2-LIU(4mm)(O-NEU)        |
| IPC 1 Series       | DS-2CD1143G2-LIUF(2.8mm)(O-STD)     |
| IPC 3 Series       | DS-2CD3021G2-I(6mm)(O-STD)          |
| IPC 3 Series       | DS-2CD3021G2-I(4mm)(O-STD)          |
| IPC 1 Series       | DS-2CD1343G2-IUF(2.8mm)(O-NEU)      |
| IPC 3 Series       | DS-2CD3027G2E-LUF(4mm)(O-STD)       |
| IPC 3 Series       | DS-2CD3341G2-LIUF(2.8mm)(O-NEU)     |
| IPC HiWatch Series | HWI-B440HA-LU(6mm)(HiWatch-STD)     |
| IPC 1 Series       | DS-2CD1343G2-IUF(2.8mm)(O-STD)      |
| IPC 3 Series       | DS-2CD3027G2E-LUF(2.8mm)(O-STD)     |
| IPC 3 Series       | DS-2CD3341G2-LIUF(2.8mm)(O-STD)     |
| IPC 3 Series       | DS-2CD3341G2-LIUF(4mm)(O-NEU)       |
| IPC 1 Series       | DS-2CD1T43G2-LIU(6mm)(O-STD)        |
| IPC 3 Series       | DS-2CD3021G2-IUF(6mm)(O-STD)        |
| IPC 3 Series       | DS-2CD3341G2-LIUF(4mm)(O-STD)       |
| IPC 1 Series       | DS-2CD1T43G2-LIUF(6mm)(O-STD)       |
| IPC 3 Series       | DS-2CD3021G2-IUF(4mm)(O-STD)        |
| IPC 1 Series       | DS-2CD1343G2-I(2.8mm)(O-NEU)        |
| IPC 3 Series       | DS-2CD3321G2-LIUF(2.8mm)(O-NEU)     |
| IPC 1 Series       | DS-2CD1343G2-I(2.8mm)(O-STD)        |

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| IPC 3 Series       | DS-2CD3321G2-LIUF(2.8mm)(O-STD)     |
| IPC 1 Series       | DS-2CD1343G2-IUF(4mm)(O-NEU)        |
| IPC 3 Series       | DS-2CD3047G2E-LUF(4mm)(O-STD)       |
| IPC 3 Series       | DS-2CD3321G2-LIUF(4mm)(O-NEU)       |
| IPC 1 Series       | DS-2CD1343G2-IUF(4mm)(O-STD)        |
| IPC 3 Series       | DS-2CD3047G2E-LUF(2.8mm)(O-STD)     |
| IPC 3 Series       | DS-2CD3321G2-LIUF(4mm)(O-STD)       |
| IPC HiWatch Series | HWI-B440HA-LU(4mm)(HiWatch-STD)     |
| IPC 3 Series       | DS-2CD3021G2-IUF(2.8mm)(O-STD)      |
| IPC 3 Series       | DS-2CD3341G2E-I(2.8mm)(O-NEU)       |
| IPC 3 Series       | DS-2CD3341G2E-I(2.8mm)(O-STD)       |
| IPC 3 Series       | DS-2CD3341G2E-I(4mm)(O-NEU)         |
| IPC 3 Series       | DS-2CD3341G2E-I(4mm)(O-STD)         |
| IPC 1 Series       | DS-2CD1047G2-L(4mm)(O-STD)          |
| IPC 1 Series       | DS-2CD1047G2-L(2.8mm)(O-STD)        |
| IPC 1 Series       | DS-2CD1043G2-LIU(2.8mm)(O-STD)      |
| IPC 1 Series       | DS-2CD1043G2-LIU(4mm)(O-STD)        |
| IPC 3 Series       | DS-2CD3341G2-IUF(2.8mm)(O-NEU)      |
| IPC 3 Series       | DS-2CD3341G2-IUF(2.8mm)(O-STD)      |
| IPC 3 Series       | DS-2CD3341G2-IUF(4mm)(O-NEU)        |
| IPC 3 Series       | DS-2CD3341G2-IUF(4mm)(O-STD)        |
| IPC 3 Series       | DS-2CD3641G2-IZS(2.7-13.5mm)(O-NEU) |
| IPC 3 Series       | DS-2CD3641G2-IZS(2.7-13.5mm)(O-STD) |
| IPC 1 Series       | DS-2CD1343G2-LIU(2.8mm)(O-NEU)      |
| IPC 1 Series       | DS-2CD1743G2-IZ(2.8-12mm)(O-STD)    |
| IPC HiWatch Series | HWI-D620HA-Z(2.8-12mm)(HiWatch-STD) |
| IPC 1 Series       | DS-2CD1343G2-LIU(4mm)(O-STD)        |
| IPC 1 Series       | DS-2CD1343G2-LIU(4mm)(O-NEU)        |
| IPC HiWatch Series | HWI-D149HA(4mm)(HiWatch-STD)        |
| IPC 1 Series       | DS-2CD1343G2-LIU(2.8mm)(O-STD)      |
| IPC 1 Series       | DS-2CD1743G2-IZS(2.8-12mm)(O-STD)   |
| IPC 1 Series       | DS-2CD1343G2-LIUF(4mm)(O-STD)       |
| IPC 1 Series       | DS-2CD1343G2-LIUF(4mm)(O-NEU)       |
| IPC 1 Series       | DS-2CD1343G2-LIUF(2.8mm)(O-STD)     |
| IPC HiWatch Series | HWI-D640HA-Z(2.8-12mm)(HiWatch-STD) |
| IPC 1 Series       | DS-2CD1343G2-LIUF(2.8mm)(O-NEU)     |
| IPC HiWatch Series | HWI-B149HA(4mm)(HiWatch-STD)        |
| IPC HiWatch Series | HWI-B149HA(2.8mm)(HiWatch-STD)      |
| IPC 3 Series       | DS-2CD3121G2-I(4mm)(O-NEU)          |
| IPC 1 Series       | DS-2CD1H43G2-IZS(2.8-12mm)(O-STD)   |
| IPC 1 Series       | DS-2CD1H43G2-IZ(2.8-12mm)(O-NEU)    |
| IPC HiWatch Series | HWI-B640HA-Z(2.8-12mm)(HiWatch-STD) |
| IPC 3 Series       | DS-2CD3121G2-ISF(4mm)(O-NEU)        |
| IPC HiWatch Series | HWI-B620HA-Z(2.8-12mm)(HiWatch-STD) |
| IPC 3 Series       | DS-2CD3121G2-ISF(4mm)(O-STD)        |

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| IPC 3 Series       | DS-2CD3121G2-ISF(2.8mm)(O-NEU)                      |
| IPC 3 Series       | DS-2CD3121G2-ISF(2.8mm)(O-STD)                      |
| IPC 3 Series       | DS-2CD3T47G2E-LUF(6mm)(O-NEU)                       |
| IPC 3 Series       | DS-2CD3041G2-IUF(2.8mm)(O-STD)                      |
| IPC 3 Series       | DS-2CD3041G2-IUF(4mm)(O-STD)                        |
| IPC 3 Series       | DS-2CD3041G2-IUF(6mm)(O-STD)                        |
| IPC 3 Series       | DS-2CD3T27G2E-LUF(4mm)(O-NEU)                       |
| IPC 3 Series       | DS-2CD3T27G2E-LUF(6mm)(O-NEU)                       |
| IPC 3 Series       | DS-2CD3T47G2E-LUF(4mm)(O-NEU)                       |
| IPC 3 Series       | DS-2CD3141G2-ISF(4mm)(O-NEU)                        |
| IPC 1 Series       | DS-2CD1P43G2-IUF(2.8mm)(O-STD)                      |
| IPC 1 Series       | DS-2CD1P43G2-I(2.8mm)(O-STD)                        |
| IPC 1 Series       | DS-2CD1P23G2-IUF(2.8mm)(O-STD)                      |
| IPC 1 Series       | DS-2CD1P23G2-I(2.8mm)(O-STD)                        |
| IPC 3 Series       | DS-2CD3141G2E-I(4mm)(O-STD)                         |
| IPC 1 Series       | DS-2CD1P47G2-LUF(2.8mm)(O-STD)                      |
| IPC 1 Series       | DS-2CD1043G2-LIUF(4mm)(O-NEU)                       |
| IPC 3 Series       | DS-2CD3141G2E-I(4mm)(O-NEU)                         |
| IPC 1 Series       | DS-2CD1P47G2-L(2.8mm)(O-STD)                        |
| IPC 1 Series       | DS-2CD1P27G2-LUF(2.8mm)(O-STD)                      |
| IPC 1 Series       | DS-2CD1P27G2-L(2.8mm)(O-STD)                        |
| IPC 1 Series       | DS-2CD1043G2-LIU(2.8mm)(O-NEU)                      |
| IPC 3 Series       | DS-2CD3141G2E-I(2.8mm)(O-STD)                       |
| IPC 1 Series       | DS-2CD1043G2-LIU(4mm)(O-NEU)                        |
| IPC 3 Series       | DS-2CD3621G2-IZS(2.7-13.5mm)(O-STD)                 |
| IPC 1 Series       | DS-2CD1P23G2-IUF(4mm)(O-STD)                        |
| IPC 3 Series       | DS-2CD3141G2E-I(2.8mm)(O-NEU)                       |
| IPC 1 Series       | DS-2CD1043G2-LIUF(2.8mm)(O-NEU)                     |
| IPC 3 Series       | DS-2CD3621G2-IZS(2.7-13.5mm)(O-NEU)                 |
| IPC 1 Series       | DS-2CD1P23G2-I(4mm)(O-STD)                          |
| IPC 3 Series       | DS-2CD3027G2E-LUF(2.8mm)(O-NEU)                     |
| IPC 3 Series       | DS-2CD3T41G2-IUF(4mm)(O-STD)                        |
| IPC 3 Series       | DS-2CD3T41G2-IUF(6mm)(O-STD)                        |
| IPC 1 Series       | NC244G2-XB/LU(4mm)(NA-GG)                           |
| IPC 3 Series       | DS-2CD3141G2-ISF(2.8mm)(O-STD)                      |
| IPC 1 Series       | NC244G2-MB/LU(2.8mm)(NA-GG)                         |
| IPC 3 Series       | DS-2CD3141G2-ISF(2.8mm)(O-NEU)                      |
| IPC 1 Series       | NC244G2-TD/LU(2.8mm)(NA-GG)                         |
| IPC 3 Series       | DS-2CD3141G2-ISF(4mm)(O-STD)                        |
| IPC 1 Series       | NC244G2-XD/LU(2.8mm)(NA-GG)                         |
| IPC 3 Series       | DS-2CD3027G2E-LUF(4mm)(O-NEU)                       |
| IPC 3 Series       | DS-2CD3047G2E-LUF(2.8mm)(O-NEU)                     |
| IPC HiWatch Series | HWI-D140HA-D/W(2.8mm)(HiWatch-STD)/Special for suit |
| IPC 3 Series       | DS-2CD3047G2E-LUF(4mm)(O-NEU)                       |
| IPC HiWatch Series | HWI-D140HA-D/W(4mm)(HiWatch-STD)/Special for suit   |



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| IPC 1 Series        | DS-2CD1043G2-LIUF(2.8mm)(O-STD)                     |
| IPC 1 Series        | DS-2CD1043G2-LIUF(4mm)(O-STD)                       |
| IPC 3 Series        | DS-2CD3041G2E-I(2.8mm)(O-STD)                       |
| IPC 3 Series        | DS-2CD3T41G2-IUF(2.8mm)(O-STD)                      |
| IPC HiWatch Series  | HWI-B140HA-LU(2.8mm)(HiWatch-STD)                   |
| IPC Wireless Series | DS-2CV1143G2-IDW(2.8mm)(O-STD)/Special for suit     |
| IPC HiWatch Series  | HWI-B140HA-LU(4mm)(HiWatch-STD)                     |
| IPC Wireless Series | DS-2CV1143G2-IDW(4mm)(O-STD)/Special for suit       |
| IPC 3 Series        | DS-2CD3041G2E-I(4mm)(O-STD)                         |
| <b>IPCE_HL</b>      | <b>Model Number</b>                                 |
| IPC HiLook Series   | IPC-D140HA(2.8mm)(HiLook-STD)                       |
| IPC HiLook Series   | IPC-B449HA(6mm)(HiLook-STD)                         |
| IPC HiLook Series   | IPC-B140HA(4mm)(HiLook-STD)                         |
| IPC HiLook Series   | IPC-T240HA(4mm)(HiLook-STD)                         |
| IPC HiLook Series   | IPC-D640HA-Z(2.8-12mm)(HiLook-STD)                  |
| IPC HiLook Series   | IPC-B449HA(4mm)(HiLook-STD)                         |
| IPC HiLook Series   | IPC-T249HA(4mm)(HiLook-STD)                         |
| IPC HiLook Series   | IPC-B140HA(2.8mm)(HiLook-STD)                       |
| IPC HiLook Series   | IPC-T240HA(2.8mm)(HiLook-STD)                       |
| IPC HiLook Series   | IPC-D620HA-Z(2.8-12mm)(HiLook-STD)                  |
| IPC HiLook Series   | IPC-T249HA(2.8mm)(HiLook-STD)                       |
| IPC HiLook Series   | IPC-B149HA(4mm)(HiLook-STD)                         |
| IPC HiLook Series   | IPC-B149HA(2.8mm)(HiLook-STD)                       |
| IPC HiLook Series   | IPC-B140HA-LD/W(6mm)(HiLook-STD)/Special for suit   |
| IPC HiLook Series   | IPC-D140HA(4mm)(HiLook-STD)                         |
| IPC HiLook Series   | IPC-D140HA-D/W(2.8mm)(HiLook-STD)/Special for suit  |
| IPC HiLook Series   | IPC-D140HA-D/W(4mm)(HiLook-STD)/Special for suit    |
| IPC HiLook Series   | IPC-B140HA-LD/W(2.8mm)(HiLook-STD)/Special for suit |
| IPC HiLook Series   | IPC-B140HA-LD/W(4mm)(HiLook-STD)/Special for suit   |
| IPC HiLook Series   | IPC-T240HA-LU(2.8mm)(HiLook-STD)                    |
| IPC HiLook Series   | IPC-B440HA-LU(4mm)(HiLook-STD)                      |
| IPC HiLook Series   | IPC-B440HA-LU(6mm)(HiLook-STD)                      |
| IPC HiLook Series   | IPC-T640HA-Z(2.8-12mm)(HiLook-STD)                  |
| IPC HiLook Series   | IPC-B440HA(6mm)(HiLook-STD)                         |
| IPC HiLook Series   | IPC-T620HA-Z(2.8-12mm)(HiLook-STD)                  |
| IPC HiLook Series   | IPC-T240HA-LU(4mm)(HiLook-STD)                      |
| IPC HiLook Series   | IPC-B440HA(4mm)(HiLook-STD)                         |
| IPC HiLook Series   | IPC-D140HA-LU(2.8mm)(HiLook-STD)                    |
| IPC HiLook Series   | IPC-B140HA-LU(2.8mm)(HiLook-STD)                    |
| IPC HiLook Series   | IPC-D149HA(4mm)(HiLook-STD)                         |
| IPC HiLook Series   | IPC-B640HA-Z(2.8-12mm)(HiLook-STD)                  |
| IPC HiLook Series   | IPC-D140HA-LU(4mm)(HiLook-STD)                      |
| IPC HiLook Series   | IPC-B140HA-LU(4mm)(HiLook-STD)                      |
| IPC HiLook Series   | IPC-D149HA(2.8mm)(HiLook-STD)                       |



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|-------------------|------------------------------------|
| IPC HiLook Series | IPC-B620HA-Z(2.8-12mm)(HiLook-STD) |
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