

Network Camera-V5.9.12 Release Note- E15 (250919)

Firmware Basic Information	Firmware version:	V5.9.12_250919
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New Features

Newly added 2/4/6MP 1XX7G3 and 3XX7G3E cameras:

1. Support for AI-ISP, intelligent noise reduction activated by default (AI-ISP operates at 12.5 fps)
2. ▶ 1-Series: Motion detection (human/vehicle classification)
 - ▶ 3-Series:
 - ✓ Motion detection (human/vehicle classification)
 - ✓ Intrusion detection
 - ✓ Line crossing detection
 - ✓ Entrance/Exit detection (human/vehicle classification)

(All support AcuSeek)
3. Resolution:
 - ▶ 4MP: 2688×1520 (default: 2560×1440)
 - ▶ 6MP: Max 3200×1800
 - ▶ 2MP: Max 1920×1080
4. Rotate is supported in Smart Event mode
5. ColorVu products:
 - ✓ Default exposure: 1/12
 - ✓ Default light: White light

6. Color modes: Vivid mode (optional), Standard mode (default)

Modify Function

Customer Impact and Recommended Action

This update refers to function/compatibility improvement and will take effect automatically after the Date of Change. We are very sorry for any inconvenience of use-habit changes caused by this action.

For any questions and request for this firmware, please contact our local technical support team.

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.

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Supported Product List	
Product Category	Model Number
IPCE_E	
IPC 3 Series	DS-2CD3086G3-LIU(4mm)(O-STD)
IPC HiWatch Series	HWI-B129HAA-LU(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-D129HAA-LU(4mm)(HiWatch-STD)

IPC HiWatch Series	HWI-D129HAA-LU(2.8mm)(HiWatch-STD)
IPC 3 Series	DS-2CD3167G3E-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1327G3-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1327G3-LIUF/SRB(2.8mm)(O-STD)
IPC HiWatch Series	HWI-T229HAA-LUF/SRB(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1347G3-LIU/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1347G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1367G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1347G3-LIUF/SRB(2.8mm)(O-STD)
IPC HiWatch Series	HWI-T249HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1027G3-LIU/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1027G3-LIUF/SRB(4mm)(O-STD)
IPC HiWatch Series	HWI-B129HAA-LUF/SL(2.8mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1047G3-LIU/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIU/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIU/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIU/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIUF/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIUF/SRB(4mm)(O-STD)
IPC 3 Series	DS-2CD3327G3E-LIUF/SL(4mm)(O-STD)
IPC 3 Series	DS-2CD3347G3E-LIUF/SL(4mm)(O-STD)
IPC 3 Series	DS-2CD3367G3E-LIUF/SL(4mm)(O-STD)
IPC 3 Series	DS-2CD3367G3E-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B27G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1B27G3-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B27G3-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1B27G3-LIUF/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1347G3-LIUF/SL(4mm)(O-NEU)
IPC 1 Series	DS-2CD1B47G3-LIUF/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIUF/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1T27G3-LIU/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1347G3-LIUF/SRB(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1347G3-LIU/SRB(4mm)(O-NEU)
IPC 1 Series	DS-2CD1367G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1367G3-LIUF(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1347G3-LIUF/SRB(4mm)(O-NEU)
IPC 1 Series	DS-2CD1B67G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B67G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1T67G3-LIU(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIU(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1047G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1347G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1027G3-LIU/SL(4mm)(O-STD)

IPC 1 Series	DS-2CD1B47G3-LIU/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1B47G3-LIU/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1127G3-LIUF(4mm)(O-NEU)
IPC 3 Series	DS-2CD3027G3E-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1027G3-LIU(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIU(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1347G3-LIU(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1127G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1147G3-LIU(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1167G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIU/SRB(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIU/SL(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1347G3-LIU/SL(4mm)(O-NEU)
IPC 1 Series	DS-2CD1347G3-LIUF(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIUF/SL(4mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIUF/SRB(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIU/SRB(4mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIUF/SRB(4mm)(O-NEU)
IPC 1 Series	DS-2CD1347G3-LIU/SL(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1367G3-LIU/SRB(4mm)(O-NEU)
IPC 1 Series	DS-2CD1347G3-LIU/SRB(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1367G3-LIUF/SL(4mm)(O-NEU)
IPC 1 Series	DS-2CD1367G3-LIUF(4mm)(O-NEU)
IPC 1 Series	DS-2CD1367G3-LIU/SL(4mm)(O-NEU)
IPC 1 Series	DS-2CD1367G3-LIUF/SRB(4mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIU/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1327G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1327G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1347G3-LIU/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1327G3-LIUF/SL(4mm)(O-STD)
IPC HiWatch Series	HWI-T229HAA-LUF/SL(2.8mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1347G3-LIUF/SL(2.8mm)(O-STD)
IPC HiWatch Series	HWI-T229HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1367G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1347G3-LIU/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1347G3-LIUF/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1347G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1347G3-LIU/SL(4mm)(O-STD)
IPC HiWatch Series	HWI-T229HAA-LUF/SL(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1347G3-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1367G3-LIU(2.8mm)(O-STD)
IPC HiWatch Series	HWI-T249HAA-LUF/SL(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-T249HAA-LUF/SL(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-T249HAA-LUF/SRB(4mm)(HiWatch-STD)

IPC 1 Series	DS-2CD1367G3-LIU(4mm)(O-STD)
IPC 1 Series	DS-2CD1367G3-LIUF/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1367G3-LIUF/SL(2.8mm)(O-STD)
IPC HiWatch Series	HWI-T269HAA-LU(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1027G3-LIU/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1027G3-LIU/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1027G3-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1027G3-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1027G3-LIUF/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1367G3-LIU/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1367G3-LIUF/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1367G3-LIU/SL(4mm)(O-STD)
IPC HiWatch Series	HWI-T269HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-T269HAA-LUF/SRB(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1367G3-LIU/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1367G3-LIU/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1367G3-LIUF/SL(4mm)(O-STD)
IPC HiWatch Series	HWI-T269HAA-LUF/SL(4mm)(HiWatch-STD)
IPC 3 Series	DS-2CD3347G3E-LIUF/SL(2.8mm)(O-STD)
IPC HiWatch Series	HWI-B129HAA-LUF/SL(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B129HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B129HAA-LUF/SRB(4mm)(HiWatch-STD)
IPC 3 Series	DS-2CD3027G3E-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1B27G3-LIUF/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1B27G3-LIU/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B27G3-LIU/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1B27G3-LIU/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B27G3-LIU/SRB(4mm)(O-STD)
IPC HiWatch Series	HWI-B149HAA-LUF/SL(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B149HAA-LUF/SL(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B149HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B149HAA-LUF/SRB(4mm)(HiWatch-STD)
IPC 3 Series	DS-2CD3047G3E-LIUF/SL(2.8mm)(O-STD)
IPC 3 Series	DS-2CD3047G3E-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIU(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIU(4mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIU/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIU/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIUF/SRB(2.8mm)(O-STD)
IPC HiWatch Series	HWI-B529HAA-LUF/SL(2.8mm)(HiWatch-STD)

IPC HiWatch Series	HWI-B529HAA-LUF/SL(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B529HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B529HAA-LUF/SRB(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1B47G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B47G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1B47G3-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B47G3-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1B47G3-LIUF/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B47G3-LIU/SL(2.8mm)(O-STD)
IPC HiWatch Series	HWI-B169HAA-LU(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B169HAA-LUF/SL(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B169HAA-LUF/SL(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B169HAA-LU(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B169HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B169HAA-LUF/SRB(4mm)(HiWatch-STD)
IPC 3 Series	DS-2CD3067G3E-LIUF/SL(2.8mm)(O-STD)
IPC 3 Series	DS-2CD3067G3E-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1T27G3-LIUF(4mm)(O-STD)
IPC HiWatch Series	HWI-B549HAA-LUF/SL(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B549HAA-LUF/SL(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B549HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B549HAA-LUF/SRB(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1B67G3-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B67G3-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1B67G3-LIUF/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B67G3-LIUF/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1B67G3-LIU(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B67G3-LIU(4mm)(O-STD)
IPC 1 Series	DS-2CD1B67G3-LIU/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T27G3-LIU/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1T27G3-LIU/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T27G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T27G3-LIU/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1T27G3-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T27G3-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1T27G3-LIUF/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIU/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIUF/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIUF/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1B67G3-LIU/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1B67G3-LIU/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B67G3-LIU/SRB(4mm)(O-STD)

IPC HiWatch Series	HWI-B569HAA-LUF/SL(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B569HAA-LUF/SL(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B569HAA-LU(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B569HAA-LU(4mm)(HiWatch-STD)
IPC 3 Series	DS-2CD3T27G3E-LIUF/SL(2.8mm)(O-STD)
IPC 3 Series	DS-2CD3T27G3E-LIUF/SL(4mm)(O-STD)
IPC 3 Series	DS-2CD3T47G3E-LIUF/SL(2.8mm)(O-STD)
IPC 3 Series	DS-2CD3T47G3E-LIUF/SL(4mm)(O-STD)
IPC HiWatch Series	HWI-B429HAA-LUF/SL(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B429HAA-LUF/SL(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B429HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B429HAA-LUF/SRB(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B449HAA-LUF/SL(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B449HAA-LUF/SL(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B449HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1T67G3-LIU(4mm)(O-STD)
IPC 1 Series	DS-2CD1T67G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T67G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1T67G3-LIU/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T67G3-LIU/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1T67G3-LIU/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T67G3-LIU/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1T67G3-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T67G3-LIUF/SRB(2.8mm)(O-STD)
IPC 3 Series	DS-2CD3T67G3E-LIUF/SL(2.8mm)(O-STD)
IPC HiWatch Series	HWI-B469HAA-LU(2.8mm)(HiWatch-STD)
IPC 3 Series	DS-2CD3T67G3E-LIUF/SL(4mm)(O-STD)
IPC HiWatch Series	HWI-B469HAA-LU(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B469HAA-LUF/SL(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B469HAA-LUF/SL(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B469HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B469HAA-LUF/SRB(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1127G3-LIU(2.8mm)(O-STD)
IPC 3 Series	DS-2CD3127G3E-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1127G3-LIU(4mm)(O-STD)
IPC 1 Series	DS-2CD1167G3-LIU(4mm)(O-STD)
IPC 3 Series	DS-2CD3127G3E-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1147G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1147G3-LIU(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1147G3-LIU(4mm)(O-STD)
IPC HiWatch Series	HWI-D149HAA-LU(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1147G3-LIUF(2.8mm)(O-STD)
IPC HiWatch Series	HWI-D149HAA-LU(2.8mm)(HiWatch-STD)
IPC 3 Series	DS-2CD3147G3E-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1167G3-LIU(2.8mm)(O-STD)

IPC HiWatch Series	HWI-D169HAA-LU(2.8mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1B27G3-LIU(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1B27G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIU(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1327G3-LIU(4mm)(O-STD)
IPC 1 Series	DS-2CD1347G3-LIU(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1347G3-LIU(4mm)(O-STD)
IPC 1 Series	DS-2CD1B47G3-LIU(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B47G3-LIU(2.8mm)(O-NEU)
IPC HiWatch Series	HWI-B549HAA-LU(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B549HAA-LU(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B529HAA-LU(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B529HAA-LU(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-T229HAA-LU(4mm)(HiWatch-STD)
IPC HiWatch Series	HWI-T249HAA-LU(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-T249HAA-LU(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1T47G3-LIU(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIU(4mm)(O-STD)
IPC 1 Series	DS-2CD1027G3-LIU(2.8mm)(O-STD)
IPC HiWatch Series	HWI-B429HAA-LU(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B449HAA-LU(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B129HAA-LU(2.8mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1T27G3-LIUF/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1327G3-LIUF(4mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIU/SL(4mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIUF/SL(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1347G3-LIUF(4mm)(O-NEU)
IPC 1 Series	DS-2CD1027G3-LIU(4mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIUF(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1T47G3-LIU(2.8mm)(O-NEU)
IPC 3 Series	DS-2CD3167G3E-LIUF(2.8mm)(O-STD)
IPC HiWatch Series	HWI-D169HAA-LU(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1367G3-LIU/SL(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1347G3-LIUF/SL(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1167G3-LIUF(2.8mm)(O-NEU)
IPC 3 Series	DS-2CD3327G3E-LIUF/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B27G3-LIUF(2.8mm)(O-STD)
IPC HiWatch Series	HWI-T269HAA-LU(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-T269HAA-LUF/SL(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B449HAA-LUF/SRB(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1T67G3-LIUF/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1T67G3-LIUF/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1167G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1367G3-LIUF/SRB(2.8mm)(O-NEU)

IPC 1 Series	DS-2CD1367G3-LIU/SRB(2.8mm)(O-NEU)
IPC HiWatch Series	HWI-B449HAA-LU(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1T27G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1027G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1127G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1127G3-LIUF(4mm)(O-STD)
IPC HiWatch Series	HWI-B429HAA-LU(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1167G3-LIUF(4mm)(O-NEU)
IPC 1 Series	DS-2CD1127G3-LIUF(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1147G3-LIUF(4mm)(O-NEU)
IPC 1 Series	DS-2CD1167G3-LIU(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1147G3-LIUF(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1027G3-LIUF(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1027G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIU/SRB(2.8mm)(O-STD)
IPC HiWatch Series	HWI-B569HAA-LUF/SRB(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B569HAA-LUF/SRB(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1167G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1327G3-LIU/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1327G3-LIUF/SRB(4mm)(O-STD)
IPC 1 Series	DS-2CD1327G3-LIU/SRB(4mm)(O-STD)
IPC 3 Series	DS-2CD3147G3E-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1367G3-LIU(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1367G3-LIUF/SL(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1147G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1B47G3-LIU/SRB(2.8mm)(O-STD)
IPC HiWatch Series	HWI-T229HAA-LU(2.8mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1B27G3-LIU(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1B27G3-LIU(4mm)(O-STD)
IPC 1 Series	DS-2CD1B47G3-LIU(4mm)(O-NEU)
IPC 1 Series	DS-2CD1T27G3-LIU(4mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIU(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1047G3-LIU(4mm)(O-STD)
IPC HiWatch Series	HWI-B149HAA-LU(2.8mm)(HiWatch-STD)
IPC HiWatch Series	HWI-B149HAA-LU(4mm)(HiWatch-STD)
IPC 1 Series	DS-2CD1T27G3-LIU(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1327G3-LIU/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIU/SL(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIU/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1T47G3-LIU/SRB(2.8mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIUF(4mm)(O-STD)
IPC 1 Series	DS-2CD1067G3-LIU/SL(4mm)(O-STD)
IPC 1 Series	DS-2CD1127G3-LIU(2.8mm)(O-NEU)
IPC 1 Series	DS-2CD1B47G3-LIU(4mm)(O-STD)

IPC 1 Series	DS-2CD1T27G3-LIU(2.8mm)(O-STD)
IPCE_EHL	
IPC HiLook Series	IPC-T229HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-T229HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-T249HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-T249HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B549HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B549HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B529HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B529HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B429HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B429HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B449HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B449HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B129HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B129HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B149HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B149HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-D129HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-D129HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-D149HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-D149HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-D169HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-D169HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-T229HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-T229HAA-LUF/SL(4mm)(HiLook-STD)
IPC HiLook Series	IPC-T229HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-T229HAA-LUF/SRB(4mm)(HiLook-STD)
IPC HiLook Series	IPC-T249HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-T249HAA-LUF/SL(4mm)(HiLook-STD)
IPC HiLook Series	IPC-T249HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-T249HAA-LUF/SRB(4mm)(HiLook-STD)
IPC HiLook Series	IPC-T269HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-T269HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-T269HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-T269HAA-LUF/SL(4mm)(HiLook-STD)
IPC HiLook Series	IPC-T269HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-T269HAA-LUF/SRB(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B529HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B529HAA-LUF/SL(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B529HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B529HAA-LUF/SRB(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B549HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B549HAA-LUF/SL(4mm)(HiLook-STD)

IPC HiLook Series	IPC-B549HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B549HAA-LUF/SRB(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B569HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B569HAA-LUF/SL(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B569HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B569HAA-LUF/SRB(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B569HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B569HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B129HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B129HAA-LUF/SL(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B129HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B129HAA-LUF/SRB(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B149HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B149HAA-LUF/SL(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B149HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B149HAA-LUF/SRB(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B169HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B169HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B169HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B169HAA-LUF/SL(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B169HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B169HAA-LUF/SRB(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B429HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B429HAA-LUF/SL(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B429HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B429HAA-LUF/SRB(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B449HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B449HAA-LUF/SL(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B449HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B449HAA-LUF/SRB(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B469HAA-LU(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B469HAA-LU(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B469HAA-LUF/SL(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B469HAA-LUF/SL(4mm)(HiLook-STD)
IPC HiLook Series	IPC-B469HAA-LUF/SRB(2.8mm)(HiLook-STD)
IPC HiLook Series	IPC-B469HAA-LUF/SRB(4mm)(HiLook-STD)