

Diverse Product Lineup



FD8361

2MP - H.264 - Day & Night - Variable-Focus

- > 2-megapixel CMOS Sensor
- > 3 - 8 mm Var-focal, Auto-Iris Lens
- > Removable IR-cut Filter for Day & Night Function
- > Built-in IR Illuminators, effective up to 20 Meters
- > Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- > Multiple Simultaneous Streams
- > ePTZ for Data Efficiency
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > 3-axis Mechanical Design for Ceiling/Wall Mount Installation
- > Built-in 802.3af Compliant PoE
- > Two-way Audio via SIP Protocol
- > Built-in SD/SDHC Card Slot for On-board Storage
- > Built-in Heater and Fan, supported by PoE



IP8332

Outdoor - 1MP - H.264 - Day & Night

- > 1MP CMOS Sensor in 1280x800 Resolution
- > Removable IR-cut Filter for Day & Night Function
- > Built-in IR Illuminators, effective up to 10 Meters
- > Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- > Multiple Simultaneous Streams
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Weather-proof IP66-rated Housing
- > Tamper Detection for Unauthorized Changes
- > Digital Input for External Sensors
- > MicroSD/SDHC Card Slot for On-board Storage



IP8161

2MP - H.264 - Day & Night

- > 2-megapixel CMOS Sensor
- > 3 - 8 mm Var-focal, Auto-Iris Lens
- > Removable IR-cut Filter for Day & Night Function
- > Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- > Multiple Simultaneous Streams
- > ePTZ for Data Efficiency
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Tamper Detection for Unauthorized Changes
- > Built-in 802.3af Compliant PoE
- > CS-11 SD/SDHC Card Slot for On-board Storage
- > CS-11 Connector for Flexible Lens Installation
- > BNC Connector for Analog Video Output



FD8161

2MP - H.264 - Day & Night - PIR

- > 2-megapixel CMOS Sensor
- > 3 - 8 mm Var-focal, Auto-Iris Lens
- > Removable IR-cut Filter for Day & Night Function
- > Built-in IR Illuminators, effective up to 15 Meters
- > Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- > Multiple Simultaneous Streams
- > ePTZ for Data Efficiency
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > 3-axis Mechanical Design for Ceiling/Wall Mount Installation
- > Built-in 802.3af Compliant PoE
- > Recessed Design with Cable Management for Clean Installation



IP8330

Outdoor - H.264 - Superior Low Light

- > 1MP CMOS Sensor in 640x480 Resolution
- > Removable IR-cut Filter for Day & Night Function
- > Built-in IR Illuminators, effective up to 10 Meters
- > Superior Low-light Performance
- > Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- > Simultaneous Streams
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Weather-proof IP66-rated Housing
- > Tamper Detection for Unauthorized Changes
- > Digital Input for External Sensors
- > MicroSD/SDHC Card Slot for On-board Storage



IP7361

Outdoor - 2MP - Day & Night - Variable-Focus

- > 2-megapixel CMOS Sensor
- > 3 - 8 mm Var-focal, Auto-Iris Lens
- > Removable IR-cut Filter for Day & Night Function
- > Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- > Multiple Simultaneous Streams
- > ePTZ for Data Efficiency
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Variable-focus Weatherproof IP67-rated Housing
- > Built-in 802.3af Compliant PoE
- > Two-way Audio via SIP Protocol
- > Built-in SD/SDHC Card Slot for On-board Storage
- > Mounting Bracket with Cable Management for Protected Installation

Network Cameras - Fixed Series

| Fixed Models | IP7801 | IP8330/ IP8330i | IP7330 | IP7142 | IP8161 | IP7161 | IP7160 | EZ7151 | IP7251 | IP7163 | IP7131 | IP7133 | IP7135 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Weather Models | Outdoor | Outdoor | Outdoor | Outdoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor |
| Image Sensor | 1/3" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS | 1/3" inch WDR CMOS | 1/3" inch CMOS | 1/3" inch CMOS | 1/3" inch CMOS | 1/4" inch progressive CCD | 1/4" inch progressive CCD | 1/4" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS |
| Video Modulation | — | — | — | 0.68 Lux @ F1.4 (IR LED on) | 0.1 Lux @ F1.2 | 0.1 Lux @ F1.6 | 0.3 Lux @ F1.8 (IR LED on) | 1.6 Lux @ F1.4 (IR LED on) / 1 Lux @ F1.4 (IR LED off) | 1.0 Lux @ F1.4 (IR LED on) / 0.3 Lux @ F1.4 (IR LED off) | 0.2 Lux @ F1.0 | 0.1 Lux @ F1.6 | 0.1 Lux @ F2.0 | 0.1 Lux @ F2.0 |
| Minimum Illumination | 0.1 Lux @ F1.2 | 0.4 Lux @ F1.8 (IR LED on) | 0.1 Lux @ F1.8 (IR LED on) | 0.68 Lux @ F1.4 (IR LED on) | 0.1 Lux @ F1.2 | 0.1 Lux @ F1.6 | 0.3 Lux @ F1.8 (IR LED on) | 1.6 Lux @ F1.4 (IR LED on) / 1 Lux @ F1.4 (IR LED off) | 1.0 Lux @ F1.4 (IR LED on) / 0.3 Lux @ F1.4 (IR LED off) | 0.2 Lux @ F1.0 | 0.1 Lux @ F1.6 | 0.1 Lux @ F2.0 | 0.1 Lux @ F2.0 |
| Auto-Iris | Yes | — | — | — | Yes | Yes | Yes | Yes | Yes | — | — | — | — |
| Lens Type | 3 - 9 mm F1.2 (IR F1.1) | 3.4 mm F1.4 (fixed) / 4 mm F1.4 (variable) | 4.0 mm F1.8 (fixed) | 3.3 - 12 mm F1.4 (IR F2.0) | 3 - 8 mm F1.2 CS-mount | 4.5 - 10 mm F1.6 CS-mount | 4.2 mm F1.8 / 1000x200 CS-mount | 14.5 mm F1.4 (variable) / 14.5 mm F1.8 (fixed) | 2.0 - 8.2 mm F1.0 CS-mount | 4.0 mm F1.6 Fixed CS-mount | 4.0 mm F1.6 Fixed CS-mount | 4.0 mm F2.0 Fixed | 4.0 mm F2.0 Fixed |
| Max. Video Resolution | 1600x1200 | 1280x800 (IP8330i) | 640x480 | 720x480 | 1600x1200 | 1600x1200 | 1600x1200 | 640x480 | 640x480 | 640x480 | 640x480 | 640x480 | 640x480 |
| Frames per Second | Up to 30 fps @ 1280x720 | Up to 30 fps @ 1280x720 | Up to 30/24/15 fps @ 1600x1200 | Up to 30 fps @ 720x480 | Up to 30 fps @ 1280x720 | Up to 30 fps @ 1280x720 | Up to 30 fps @ 1280x720 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 |
| Networking | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet |
| Digital Input / Digital Output | 1/1 | 1/0 | 1/0 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
| Audio Capability | (2-way audio) | — | — | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) |
| Video Compression | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) |
| PoE | Yes | Yes | Yes | Yes | Multiple | Multiple | Multiple | Yes | Yes | Yes | Yes | Yes | Yes |
| Value-added Features | On-board SD/SDHC Card Slot for On-board Storage; Superior Low-light Performance; Superior Low-light Performance | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR |

Network Cameras - PTZ Series

| Fixed Models | IP7801 | IP8330/ IP8330i | IP7330 | IP7142 | IP8161 | IP7161 | IP7160 | EZ7151 | IP7251 | IP7163 | IP7131 | IP7133 | IP7135 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Weather Models | Outdoor | Outdoor | Outdoor | Outdoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor |
| Image Sensor | 1/3" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS | 1/3" inch WDR CMOS | 1/3" inch CMOS | 1/3" inch CMOS | 1/3" inch CMOS | 1/4" inch progressive CCD | 1/4" inch progressive CCD | 1/4" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS |
| Video Modulation | — | — | — | 0.68 Lux @ F1.4 (IR LED on) | 0.1 Lux @ F1.2 | 0.1 Lux @ F1.6 | 0.3 Lux @ F1.8 (IR LED on) | 1.6 Lux @ F1.4 (IR LED on) / 1 Lux @ F1.4 (IR LED off) | 1.0 Lux @ F1.4 (IR LED on) / 0.3 Lux @ F1.4 (IR LED off) | 0.2 Lux @ F1.0 | 0.1 Lux @ F1.6 | 0.1 Lux @ F2.0 | 0.1 Lux @ F2.0 |
| Minimum Illumination | 0.1 Lux @ F1.2 | 0.4 Lux @ F1.8 (IR LED on) | 0.1 Lux @ F1.8 (IR LED on) | 0.68 Lux @ F1.4 (IR LED on) | 0.1 Lux @ F1.2 | 0.1 Lux @ F1.6 | 0.3 Lux @ F1.8 (IR LED on) | 1.6 Lux @ F1.4 (IR LED on) / 1 Lux @ F1.4 (IR LED off) | 1.0 Lux @ F1.4 (IR LED on) / 0.3 Lux @ F1.4 (IR LED off) | 0.2 Lux @ F1.0 | 0.1 Lux @ F1.6 | 0.1 Lux @ F2.0 | 0.1 Lux @ F2.0 |
| Auto-Iris | Yes | — | — | — | Yes | Yes | Yes | Yes | Yes | — | — | — | — |
| Lens Type | 3 - 9 mm F1.2 (IR F1.1) | 3.4 mm F1.4 (fixed) / 4 mm F1.4 (variable) | 4.0 mm F1.8 (fixed) | 3.3 - 12 mm F1.4 (IR F2.0) | 3 - 8 mm F1.2 CS-mount | 4.5 - 10 mm F1.6 CS-mount | 4.2 mm F1.8 / 1000x200 CS-mount | 14.5 mm F1.4 (variable) / 14.5 mm F1.8 (fixed) | 2.0 - 8.2 mm F1.0 CS-mount | 4.0 mm F1.6 Fixed CS-mount | 4.0 mm F1.6 Fixed CS-mount | 4.0 mm F2.0 Fixed | 4.0 mm F2.0 Fixed |
| Max. Video Resolution | 1600x1200 | 1280x800 (IP8330i) | 640x480 | 720x480 | 1600x1200 | 1600x1200 | 1600x1200 | 640x480 | 640x480 | 640x480 | 640x480 | 640x480 | 640x480 |
| Frames per Second | Up to 30 fps @ 1280x720 | Up to 30 fps @ 1280x720 | Up to 30/24/15 fps @ 1600x1200 | Up to 30 fps @ 720x480 | Up to 30 fps @ 1280x720 | Up to 30 fps @ 1280x720 | Up to 30 fps @ 1280x720 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 |
| Networking | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet |
| Digital Input / Digital Output | 1/1 | 1/0 | 1/0 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 |
| Audio Capability | (2-way audio) | — | — | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) |
| Video Compression | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) |
| PoE | Yes | Yes | Yes | Yes | Multiple | Multiple | Multiple | Yes | Yes | Yes | Yes | Yes | Yes |
| Value-added Features | On-board SD/SDHC Card Slot for On-board Storage; Superior Low-light Performance; Superior Low-light Performance | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR |

Network Cameras - PTZ Series

| Fixed Models | IP7801 | IP8330/ IP8330i | IP7330 | IP7142 | IP8161 | IP7161 | IP7160 | EZ7151 | IP7251 | IP7163 | IP7131 | IP7133 | IP7135 |
|--------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------|---------------------------------------------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------------------------------|----------------------------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Weather Models | Outdoor | Outdoor | Outdoor | Outdoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor |
| Image Sensor | 1/3" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS | 1/3" inch WDR CMOS | 1/3" inch CMOS | 1/3" inch CMOS | 1/3" inch CMOS | 1/4" inch progressive CCD | 1/4" inch progressive CCD | 1/4" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS |
| Video Modulation | — | — | — | 0.68 Lux @ F1.4 (IR LED on) | 0.1 Lux @ F1.2 | 0.1 Lux @ F1.6 | 0.3 Lux @ F1.8 (IR LED on) | 1.6 Lux @ F1.4 (IR LED on) / 1 Lux @ F1.4 (IR LED off) | 1.0 Lux @ F1.4 (IR LED on) / 0.3 Lux @ F1.4 (IR LED off) | 0.2 Lux @ F1.0 | 0.1 Lux @ F1.6 | 0.1 Lux @ F2.0 | 0.1 Lux @ F2.0 |
| Minimum Illumination | 0.1 Lux @ F1.2 | 0.4 Lux @ F1.8 (IR LED on) | 0.1 Lux @ F1.8 (IR LED on) | 0.68 Lux @ F1.4 (IR LED on) | 0.1 Lux @ F1.2 | 0.1 Lux @ F1.6 | 0.3 Lux @ F1.8 (IR LED on) | 1.6 Lux @ F1.4 (IR LED on) / 1 Lux @ F1.4 (IR LED off) | 1.0 Lux @ F1.4 (IR LED on) / 0.3 Lux @ F1.4 (IR LED off) | 0.2 Lux @ F1.0 | 0.1 Lux @ F1.6 | 0.1 Lux @ F2.0 | 0.1 Lux @ F2.0 |
| Auto-Iris | Yes | — | — | — | Yes | Yes | Yes | Yes | Yes | — | — | — | — |
| Lens Type | 3.4 - 13.5 mm optical zoom / 4.2-13.5 mm F1.2 (IR F1.1) | 640x480 | 1600x1200 | 3.3 - 12 mm F1.4 (IR F2.0) / 3.3 - 12 mm F1.4 (IR F2.0) (IR LED on) | 1000x750 | 1000x750 | 1000x750 | 14.5 mm F1.4 (variable) / 14.5 mm F1.8 (fixed) | 2.0 - 8.2 mm F1.0 CS-mount | 4.0 mm F1.6 Fixed CS-mount | 4.0 mm F1.6 Fixed CS-mount | 4.0 mm F2.0 Fixed | 4.0 mm F2.0 Fixed |
| Max. Video Resolution | 720x480 | 640x480 | 1600x1200 | 720x480 | 1000x750 | 1000x750 | 1000x750 | 640x480 | 640x480 | 640x480 | 640x480 | 640x480 | 640x480 |
| Frames per Second | Up to 30/24/15 fps @ 1280x720 | Up to 30/24/15 fps @ 1280x720 | Up to 30/24/15 fps @ 1600x1200 | Up to 30 fps @ 720x480 | Up to 30 fps @ 1000x750 | Up to 30 fps @ 1000x750 | Up to 30 fps @ 1000x750 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 | Up to 30/24/15 fps @ 1600x1200 |
| Networking | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet | 10/100BaseT Ethernet |
| Digital Input / Digital Output | 4/1 | 4/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | 1/1 | |
| Audio Capability | (2-way audio) | Yes | Yes | (2-way audio) | Yes | Yes | Yes | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) | (2-way audio) |
| Video Compression | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) | Dual-Codec (H.264/MJPEG/MPEG-4) |
| PoE | Yes | Yes | Yes | Yes | Multiple | Multiple | Multiple | Yes | Yes | Yes | Yes | Yes | Yes |
| Value-added Features | 3x Zoom; Day/Night; IR Illuminators; Day/Night; PIR; Variable-focus Housing | IR Illuminators; Day/Night; PIR; Variable-focus Housing | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR | IR Illuminators; Day/Night; PIR |

Network Cameras - Dome Series

| Fixed Models | IP7801 | IP8330/ IP8330i | IP7330 | IP7142 | IP8161 | IP7161 | IP7160 | EZ7151 | IP7251 | IP7163 | IP7131 | IP7133 | IP7135 |
|------------------|----------------|-----------------|----------------|-----------------------------|----------------|----------------|----------------|---------------------------|---------------------------|----------------|----------------|----------------|----------------|
| Weather Models | Outdoor | Outdoor | Outdoor | Outdoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor | Indoor |
| Image Sensor | 1/3" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS | 1/3" inch WDR CMOS | 1/3" inch CMOS | 1/3" inch CMOS | 1/3" inch CMOS | 1/4" inch progressive CCD | 1/4" inch progressive CCD | 1/4" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS | 1/4" inch CMOS |
| Video Modulation | — | — | — | 0.68 Lux @ F1.4 (IR LED on) | 0.1 Lux @ F1.2 | 0.1 Lux @ F1.6 | 0.3 Lux @ F1 | | | | | | |