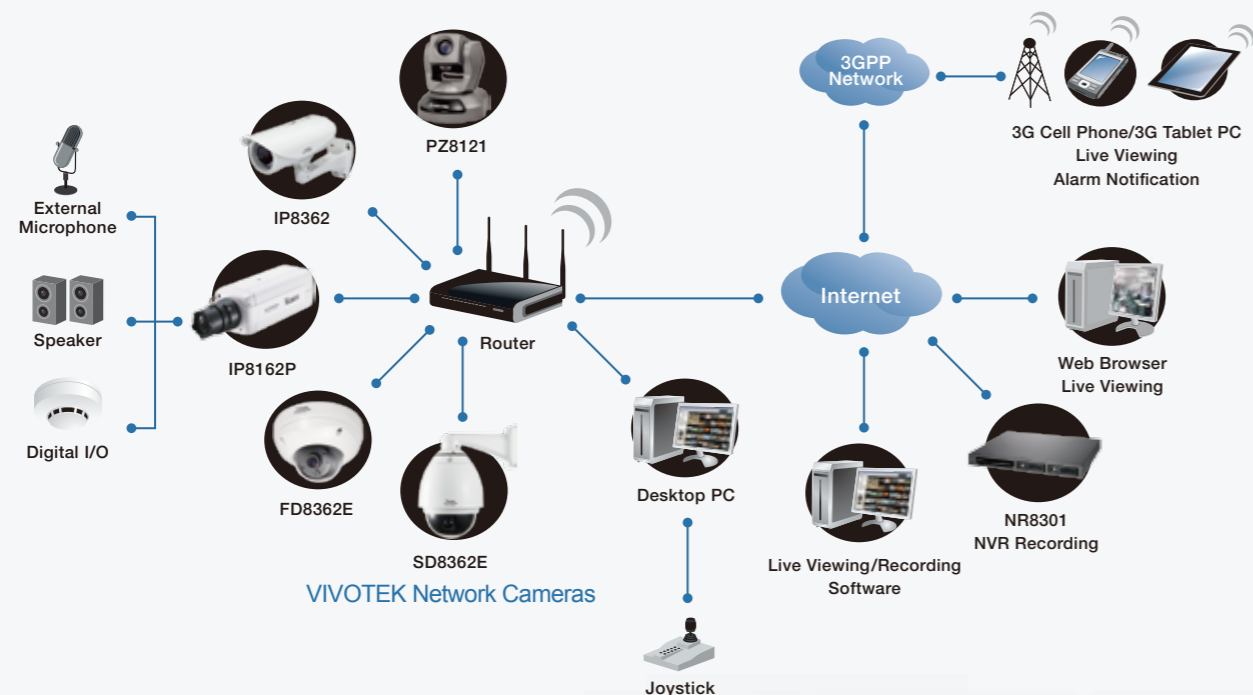


# Network Cameras

## Transmitting Live Video over IP Network

VIVOTEK offers a wide range of cost-effective, highly reliable network cameras. Authorized users can easily receive live videos over an IP network through a web browser anytime, anywhere for remote monitoring and indoor or outdoor surveillance. VIVOTEK's entire network camera series, ranging from entry level to high-end, are able to meet diverse requirements for IP surveillance.

## System Overview



*With the deployment of an IP surveillance system, users can locally or remotely monitor the security of people and property anywhere, anytime.*



### IP8332

Outdoor • Day & Night



- 1/4" CMOS Sensor in 1280x800 Resolution
- Removable IR-cut Filter for Day and 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
- Weather-proof IP66-rated Housing
- Tamper Detection for Unauthorized Changes
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC Card Slot for On-board Storage

### IP7361

2MP • Day & Night • Cable Management



- 2-Megapixel CMOS Sensor
- 3 ~ 9 mm Vari-focal, Auto-iris Lens
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 25 Meters
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Multiple Simultaneous Streams
- Video Cropping for Bandwidth Saving
- ePTZ for Data Efficiency
- Tamper Detection for Unauthorized Changes
- Weather-proof IP67-rated Housing
- Built-in 802.3af Compliant PoE
- Built-in SD/SDHC Card Slot for On-board Storage
- Mounting Bracket with Cable Management for Protected Installation

### IP8330

Outdoor • Supreme Night Visibility



- Supreme Night Visibility
- Vivid and Faithful Color Performance
- 60 fps for Smoother, Razor-Sharp Video of High-Speed Objects
- Removable IR-cut Filter for Day and Night Function
- Built-in IR Illuminators, Effective up to 15 Meters
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- Weather-proof IP66-rated Housing
- Tamper Detection for Unauthorized Changes
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC Card Slot for On-board Storage

### IP8362

2MP • WDR Enhanced



- 2-Megapixel CMOS Sensor
- Up to 30 fps @ 1080p Full HD
- 3 ~ 9 mm Vari-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)
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Weather-proof IP67-rated Housing
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC Card Slot for On-board Storage
- Mounting Bracket with Cable Management for Protected Installation

### IP8331

Outdoor • Day & Night



- 1/4" CMOS Sensor in VGA Resolution
- Dual-band Lens for Day and Night Function
- Built-in IR Illuminators, Effective up to 10 Meters
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- Simultaneous Dual Streams
- Weather-proof IP66-rated Housing
- Built-in 802.3af Compliant PoE

### IP8352

1.3MP • Supreme Night Visibility



- 1.3-Megapixel CMOS Sensor
- Supreme Night Visibility
- Up to 60 fps @ 720p HD; Up to 30 fps @ 1280x1024 (1.3MP)
- 3 ~ 9 mm Vari-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)
- Weather-proof IP67-rated Housing
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC Card Slot for On-board Storage
- Gigabit Ethernet Data Transmission
- Mounting Bracket with Cable Management for Protected Installation

## Speed Dome Series

### SD8362E SUPREME A NEW DEFINITION OF HD Full HD 1920x1080

20x Zoom • 2MP • WDR Pro



- Full HD SONY CMOS Sensor
- Up to 60 fps @ 720p HD;  
Up to 30 fps @ 1080p Full HD
- 20x Zoom Lens
- Removable IR-cut Filter for Day & Night Function
- 360° Continuous Pan and 90° Tilt
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Weather-proof IP66-rated Housing
- -40°C ~ 55°C Wide Temperature Range for Extreme Weather Conditions
- Audio Detection for Instant Alerts
- Built-in 802.3af Compliant PoE Plus
- 3D Privacy Masks for Additional Protection
- Built-in SD/SDHC Card Slot for On-board Storage

### SD83x1E/x2E/x3E

18x/28x/36x Zoom • WDR Pro



- D1 SONY EXview HAD CCD Sensor
- Up to 60 fps @ D1 Resolution
- 18x/28x/36x Zoom Lens
- Removable IR-cut Filter for Day & Night Function
- 360° Continuous Pan and 90° Tilt
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- EIS (Electronic Image Stabilizer) for Ultimate Video Experience (SD8312E/22E/13E/23E)
- Weather-proof IP66-rated Housing
- -40°C ~ 55°C Wide Temperature Range for Extreme Weather Conditions
- Audio Detection for Instant Alert
- Built-in 802.3af Compliant PoE Plus
- 3D Privacy Masks for Additional Protection
- Built-in SD/SDHC Card Slot for On-board Storage

### SD8111/21

12x Zoom • Day & Night • 3D Noise Reduction



- SONY EXview HAD CCD Sensor in D1 Resolution
- 12x Zoom Lens
- 360° Continuous Pan and 190° Tilt
- Removable IR-cut Filter for Day & Night Functionality
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- 3D Noise Reduction for Clear Nighttime Images
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Built-in SD/SDHC Card Slot for On-board Storage



## Fixed Dome Series

### FD8162 SUPREME A NEW DEFINITION OF HD Full HD 1920x1080

2 MP • PIR • Focus Assist



- 2-Megapixel CMOS Sensor
- Up to 30 fps @ 1080p Full HD
- 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)
- Built-in PIR Sensor for Thermal Detection
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Built-in Focus Assist Button for Precise Focus Adjustment
- Hassle-free Installation
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC Card Slot for On-board Storage

### FD8362/62E SUPREME A NEW DEFINITION OF HD Full HD 1920x1080

2MP • Smart Focus System • Vandal-proof



- 2-Megapixel CMOS Sensor
- Up to 30 fps @ 1080p Full HD
- Removable IR-cut Filter for Day & Night Function
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Smart Focus System for Remote and Precise Focus Adjustment
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing
- -40°C ~ 55°C Wide Temperature Range for Extreme Weather Conditions (FD8362E)
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC Card Slot for On-board Storage

### FD8133/34

1MP • MicroSD/SDHC • Compact Design



- 1-Megapixel CMOS Sensor
- Removable IR-cut Filter for Day and Night Function (FD8134)
- Built-in IR Illuminators, Effective up to 10 Meters (FD8134)
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- Built-in 802.3af Compliant PoE (FD8134)
- Built-in MicroSD/SDHC Card Slot for On-board Storage
- 3-axis Mechanical Design for Ceiling and Wall Mount Installation
- Easy and Flexible Installation
- Compact and Attractive ID Design

### FD8133V/34V

1MP • Vandal-proof • IP66



- 1-Megapixel CMOS Sensor
- Removable IR-cut Filter for Day and Night Function (FD8134V)
- Built-in IR Illuminators, Effective up to 10 Meters (FD8134V)
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing
- Built-in 802.3af Compliant PoE (FD8134V)
- Built-in MicroSD/SDHC Card Slot for On-board Storage
- 3-axis Mechanical Design for Ceiling and Wall Mount Installation
- Easy and Flexible Installation
- Compact and Attractive Design

### MD8562/62D SUPREME A NEW DEFINITION OF HD Full HD 1920x1080

2MP • Vandal-proof • Mobile Surveillance



- 2-Megapixel CMOS Sensor
- Up to 30 fps @ 1080p Full HD
- Wide Angle Fixed Lens
- EN50155 Compliance for Professional Mobile Surveillance
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Vandal-proof IK10-rated and Weather-proof IP67-rated Housing
- Built-in 802.3af Compliant PoE (MD8562)
- Built-in MicroSD/SDHC Card Slot for On-board Storage

### FE8171V SUPREME A NEW DEFINITION OF HD

3MP • 360° Surround View • Vandal-proof



- 3.1-Megapixel CMOS Sensor
- 1.27 mm Fisheye Lens for 180° Panoramic View and 360° Surround View
- Removable IR-cut Filter for Day and Night Function
- EN50155 Compliance for Professional Mobile Surveillance
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing
- ePTZ for Data Efficiency
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage

# Network Cameras



Wired Models	IP8372 (PoE)	IP8362 (PoE)	IP8352 (PoE)	IP8335H (PoE)	IP7361 (PoE)	IP8332 (PoE)	IP8330 (PoE)	IP8331 (PoE)	IP8172 (PoE)	IP8162/62P (PoE)
Wireless Models	-	-	-	-	-	-	-	-	-	-
Image Sensor	1/2.5" CMOS	1/2.7" CMOS	1/3" CMOS	1/2.7" CMOS	1/3.2" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/2.5" CMOS	1/2.7" CMOS
Minimum Illumination	TBD	0.08 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.02 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.8 lux @ F1.2 (Color) 0.001 lux @ F1.2 (B/W)	0.1 Lux @ F1.2	0 Lux @ F1.8 (IR LED on)	0 Lux @ F1.6 (IR LED on)	0.001 Lux @ F1.8	TBD	0.06 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Auto-iris	-	Yes	Yes	Yes (P-iris)	Yes	-	-	-	Yes (DC-iris or P-iris)	Yes
Lens Type	Board Lens, Vari-focal	3 ~ 9 mm F1.2 (w), F2.1 (t)	3 ~ 9 mm F1.2 (w), F2.1 (t)	3 ~ 9 mm F1.2 (w), F2.1 (t)	3 ~ 9 mm F1.2 (w), F2.1 (t)	3.6 mm, F1.8 Fixed	4.0 mm, F1.6 Fixed	4.0 mm, F1.8 Fixed	2.8 ~ 12 mm, F1.6 CS-mount, Vari-focal	· 3.1 ~ 8 mm, F1.2, CS-mount, auto iris (IP8162) · 3.1 ~ 8 mm, F1.2, CS-mount, P-iris (IP8162P)
Max Video Resolution	2560x1920	1920x1080	1280x1024	1280x800	1600x1200	1280x800	640x480	640x480	2560x1920	1920x1080
Frames per Second	Up to 10 fps @ 2560x1920 Up to 30 fps @ 1920x1080	Up to 30 fps @ 1920x1080	Up to 60 fps @ 1280x720 Up to 30 fps @ 1280x1024	Up to 30 fps @ 1280x800	Up to 30 fps @ 1280x720 Up to 15 fps @ 1600x1200	Up to 30 fps @ 1280x800	Up to 60 fps @ 640x480	Up to 30 fps @ 640x480	Up to 10 fps @ 2560x1920 Up to 30 fps @ 1920x1080	Up to 30 fps @ 1920x1080
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	Multiple	Multiple	Multiple	Dual	Multiple	Multiple	Multiple	Dual	Multiple	Multiple
Networking	10/100 Mbps Ethernet	10/100 Mbps Ethernet	10/100/1000 Mbps Gigabit Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet	10/100/1000 Mbps Gigabit Ethernet	10/100 Mbps Ethernet
Digital Input / Output	2/1	1/1	1/1	3/1	1/1	1/0	1/0	1/0	1/1	1/1
Audio Capability	Yes (2-way Audio)	Yes (2-way Audio)	Yes (2-way Audio)	Yes (2-way Audio)	Yes (2-way Audio)	-	-	-	Yes (2-way Audio)	Yes (2-way Audio)
On-board Storage	SD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot	SD/SDHC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot	-	SD/SDHC/SDXC Card Slot	SD/SDHC Card Slot
Day/Night	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Dual-band)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)
Weather-proof	IP66	IP67	IP67	IP67	IP67	IP66	IP66	IP66	-	-
Vandal-proof	-	-	-	-	-	-	-	-	-	-
Value-added Features	IR Illuminators, Cable Management, ePTZ, Focus Assist	IR Illuminators, Cable Management, ePTZ, WDR Enhanced	Supreme Night Visibility, Exceptional 60 fps, IR Illuminators, Cable Management, ePTZ	IR Illuminators, WDR Pro	IR Illuminators, Cable Management, ePTZ	IR Illuminators	Supreme Night Visibility, Exceptional 60 fps, IR Illuminators	IR Illuminators	ePTZ, Focus Assist	ePTZ, WDR Enhanced, Focus Assist

# Network Cameras



Wired Models	SD8362E (PoE Plus)	SD8311E/12E/13E (NTSC, PoE Plus) SD8321E/22E/23E (PAL, PoE Plus)	SD8111 (NTSC) SD8121 (PAL)	FD8372 (PoE)	FD8362/62E (PoE)	FD8361 (PoE)	FD8335H (PoE)	FD8162 (PoE)
Wireless Models	-	-	-	-	-	-	-	-
Image Sensor	1/3" CMOS	1/4" Progressive Scan CCD	1/4" ExView HAD CCD	1/2.5" CMOS	1/2.7" CMOS	1/3.2" CMOS	1/2.7" CMOS	1/2.7" CMOS
Minimum Illumination	0.02 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	· 0.7 Lux @ F1.4 (SD8311E/21E) · 0.65 Lux @ F1.35 (SD8312E/22E) · 0.01 Lux @ F1.6 (SD8313E/23E)	0.1 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	TBD	0.08 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0 Lux @ F1.2 (IR LED on)	TBD	0.08 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Auto-iris	Yes	Yes	-	-	Yes	Yes	-	Yes
Lens Type	20x Optical Zoom 2.9 ~ 55.4 mm F1.6 (w), F3.5 (t)	· 18x optical zoom, 4.1 ~ 73.8 mm, F1.4 (w), F3.0 (t) (SD8311E/21E) · 28x optical zoom, 3.5 ~ 98.0 mm, F1.35 (w), F3.7 (t) (SD8312E/22E) · 36x optical zoom, 3.4 ~ 122.4 mm, F1.6 (w), F4.5 (t) (SD8313E/23E)	12x Optical Zoom 3.8 ~ 45.6 mm, F1.6 (w), F2.7 (t)	Board Lens, Vari-focal	3 ~ 9 mm F1.2 (w), F2.1 (t) Stepping Motor	3 ~ 9 mm F1.2 (w), F2.1 (t)	3 ~ 9 mm Board Lens, Vari-focal	3 ~ 9 mm F1.2 (w), F2.1 (t)
Max Video Resolution	1920x1080	720x480/NTSC 720x576/PAL	720x480/NTSC 720x576/PAL	2560x1920	1920x1080	1600x1200	1280x720	1920x1080
Frames per Second	Up to 60 fps @ 1280x720 Up to 30 fps @ 1920x1080	Up to 60 fps @ 720x480 Up to 50 fps @ 720x576	Up to 30 fps @ 720x480 Up to 25 fps @ 720x576	Up to 10 fps @ 2560x1920 Up to 30 fps @ 1920x1080	Up to 30 fps @ 1920x1080	Up to 30 fps @ 1280x720 Up to 15 fps @ 1600x1200	Up to 30 fps @ 1280x720	Up to 30 fps @ 1920x1080
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Dual	Multiple
Networking	10/100 Mbps Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet
Digital Input / Output	3/2	3/2	4/1	3/1	1/1	1/1	3/1	1/1
Audio Capability	Yes (2-way Audio)	Yes (2-way Audio)	Yes (2-way Audio)	Yes (2-way Audio)	Yes (2-way Audio)	Yes (2-way Audio)	Yes (2-way Audio)	Yes (2-way Audio)
On-board Storage	SD/SDHC Card Slot	SD/SDHC Card Slot	SD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	SD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot
Day/Night	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)	Yes (Removable IR-cut Filter)
Weather-proof	IP66	IP66	-	IP66	IP66	IP66	IP66	-
Vandal-proof	-	-	-	Yes	Yes	Yes	Yes	-
Value-added Features	Exceptional 60 fps, ePTZ, Audio Detection, WDR Pro, Wide Temperature Range	· Exceptional 60 fps, Audio Detection, WDR Pro, Wide Temperature Range · EIS (SD8312E/22E/13E/23E)	3D Noise Reduction, WDR Enhanced	ePTZ, Focus Assist	· ePTZ, WDR Enhanced, Smart Focus System · Wide Temperature Range (FD8362E)	IR Illuminators, 3-axis, ePTZ	WDR Pro, Focus Assist, Wide Temperature Range	IR Illuminators, ePTZ, PIR, WDR Enhanced, Focus Assist