

Video Servers & Video Receiver



Models	VS8801/8401	VS8102	VS7100	RX7101
Video Source	8/4 Analog Camera Input	1 Analog Camera Input	1 Analog Camera Input	4-CH Streams
Video Modulation	NTSC/PAL Auto Detection	NTSC/PAL Auto Detection	NTSC/PAL Auto Detection	NTSC/PAL
Max Video Resolution	720 x 480/NTSC 720 x 576/PAL	720x480/NTSC 720x576/PAL	704x480/NTSC 704x576/PAL	704x480/NTSC 704x576/PAL
Frames per Second	Up to 30 fps @ 720x480 Up to 25 fps	Up to 30 fps @ 720x480 Up to 25 fps	Up to 30 fps @ 720x480 Up to 25 fps	Up to 30 fps @ 720x480 Up to 25 fps
Audio Capability	Yes	Yes	Yes	Yes
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	-
Serial Connectors	RS485	RS485	RS485	RS485
Pan/Tilt/Zoom Control	Yes	Yes	Yes	Yes
Networking	10/100/1000 Mbps Gigabit Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet
Digital Input /Output	8/8 (VS8801) 4/4 (VS8401)	1/1	1/1	0/4
Motion Detection	Yes	Yes	Yes	-
Multiple Streams	Single (VS8801) Dual (VS8401)	Multiple	Dual	-
PoE	-	Yes	-	-
Decoding	-	-	-	MJPEG/MPEG-4
On-board Storage	-	SD/SDHC Card Slot	-	-
Tamper Detection	Yes	Yes	-	-

Network Video Recorders



NR8201/8301

Compatible with VAST CMS · Lockable HDD · Rack Mount Design

- > Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- > Simultaneous 4-CH (NR8201) and 8-CH (NR8301) Video Viewing & Recording
- > Compatible with VIVOTEK VAST Central Management Software*
- > Built-in 802.3af Compliant PoE
- > Professional Rack Mount Design
- > External eSATA Interface for the Expansion of Video Recording (NR8201)
- > RAID 0, 1 Scalable Storage Solution (NR8301)
- > External USB Interface for Video Backup
- > Removable & Lockable HDD Design
- > Camera Installation through Simple Plug and Play

*VIVOTEK VAST Central Management software not included.

Central Management Software



VAST

Hierarchical Management · VAST Matrix · PiP

- > Powerful Video Wall Solution "VAST Matrix" for Hundreds of Live Views*
- > Intelligent PiP Function -- Digital Zoom In and Multi-touch Mode
- > Integrated with VIVOTEK NVR for Large-Scale Applications
- > Convenient Remote Access via Client/Server Architecture
- > Powerful Hierarchical Management*
- > Effective & Reliable Event Trigger Management
- > Real-time 64-channel Live Viewing and Simultaneous 16-channel Playback
- > Multiple Simultaneous Streams for Different Media Platforms
- > Extremely Versatile Settings for Recording Group and Recording Schedule Management
- > Overall Device Management through Intuitive E-map Feature

*1 Ability to add devices is dependant on network bandwidth and viewing/recording device hardware capabilities.
*2 The number of linked stations depends on the number of licenses configured on the key dongle.

SUPREME

VIVOTEK is constantly striving to provide the highest quality network cameras to meet the most technically demanding and professional surveillance market requirements. The launch of the SUPREME series not only marks VIVOTEK's entry into a new era of technology and professional project markets but also brings a new definition to HD surveillance video.

SUPREME - A New Definition of HD

SUPREME series cameras are characterized by their extreme video clarity, which ensures accurate color reproduction and fulfills requirements for the most critical application environments. High definition 2-, 3-, and 5-Megapixel resolution ensure exceptional details and razor-sharp images. Exceptional 60 fps @ 720p HD as well as 30fps @ 1080p Full HD ensure smooth, crystal-clear video when monitoring fast-moving scenes or action at high speed.

Advanced Features

The following are key advanced features offered on SUPREME series models:

Utilizing the latest in sensor and color reproduction technology, **Supreme Night Visibility** makes for clear, vivid nighttime video with outstanding image quality. **Wide Dynamic Range (WDR)** technology ensures identifiable images in challenging lighting conditions and generates image quality comparable to the capabilities of the human eye. In addition, the adoption of the newest **P-iris** lens technology offers optimal video in all lighting conditions with better contrast, clarity, and depth of field. VIVOTEK's new **Smart Focus System** consists of a Focus Assist button and Remote Focus. To make installation and adjustment easier, VIVOTEK with the Smart Focus feature adopts lenses with a built-in stepper motor that the installer can use to remotely control the focal length and focus, ensuring hassle-free installation and maintenance. As for outdoor series cameras, the implementation of **Extreme Weatherproofing**, including Wide Temperature Range and IP66/67 Outdoor Rating, makes the SUPREME series models with this feature extremely durable and reliable in harsh conditions.



VIVOTEK Solution Integration Alliance

The SIA (Solution Integration Alliance) Program is a strategic alliance that aims to facilitate the integration of VIVOTEK products into leading software or hardware platforms. With the SIA Program, partners have the flexibility to enhance key functionalities when creating an IP surveillance solution.

The SIA Program provides programmable Software Development Kits (SDK) to allow partners to develop customized features on an open platform, allowing the highest possible level of integration. VIVOTEK also provides technical support throughout the development process.



All specifications are subject to change without notice. Copyright © 2011 VIVOTEK INC. All rights reserved.

P/N:97200801 Ver 3.1

VIVOTEK INC.
6F, No.192, Lien-Cheng Rd., Chung-Ho, New Taipei City, Taiwan
Tel: +886 2 8245 5282 Fax: +886 2 8245 5532
E-mail: sales@vivotek.com http://www.vivotek.com

VIVOTEK USA, INC.
470 Lakeside Drive Suite C, Sunnyvale CA 94085
Tel: 408-773-8686 Fax: 408-773-8298
E-mail: salesusa@vivotek.com



PRODUCT BROCHURE

English



Network Cameras | Video Servers | Video Receiver | Network Video Recorders | Central Management Software

Diverse Product Lineup

SD8362E

20x Zoom · 2MP · Extreme Weatherproofing



- > 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
- > Wide Temperature Range for Extreme Weather Conditions
- > Audio Detection for Instant Alert
- > Built-in 802.3af Compliant PoE Plus
- > 3D Privacy Masks for Privacy Protection
- > Built-in SD/SDHC Card Slot for On-board Storage

IP8162/62P

2MP · Focus Assist · WDR Enhanced



- > 2-Megapixel CMOS Sensor
- > Up to 30 fps @ 1080p Full HD
- > 3.1 ~ 8 mm Vari-focal, Auto-iris Lens (IP8162)
- > 3.1 ~ 8 mm Vari-focal, P-iris Lens (IP8162P)
- > Removable IR-cut Filter for Day and Night Function
- > Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- > WDR Enhancement for Unparalleled Visibility in Extremely Bright or Dark Environments
- > Built-in Focus Assist Button for Precise Focus Adjustment
- > Built-in 802.3af Compliant PoE
- > Built-in SD/SDHC Card Slot for On-board Storage

MD8562/62D

2MP · Vandal-proof · Mobile Surveillance · WDR Enhanced



- > 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

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 15 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 IP66-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

FD8362/62E

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
- > Wide Temperature Range for Extreme Weather Conditions (FD8362E)
- > Built-in 802.3af Compliant PoE
- > Built-in MicroSD/SDHC Card Slot for On-board Storage

IP8132

1MP · Privacy Button · Compact Design



- > 1-Megapixel CMOS Sensor
- > Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- > Privacy Button to Pause Monitoring
- > Tamper Detection for Unauthorized Changes
- > Compact, Elegant Design

Network Cameras - Fixed Series

	IP8362 (PoE)	IP8352 (PoE)	IP7361 (PoE)	IP8332 (PoE)	IP8330 (PoE)	IP8162/62P (PoE)	IP8151/51P (PoE)	IP8161 (PoE)	IP8132	IP7133	PZ8111/21	PZ7131 (PoE)	PT7135
Wired Models	IP8362 (PoE)	IP8352 (PoE)	IP7361 (PoE)	IP8332 (PoE)	IP8330 (PoE)	IP8162/62P (PoE)	IP8151/51P (PoE)	IP8161 (PoE)	IP8132	IP7133	PZ8111/21	PZ7131 (PoE)	PT7135
Wireless Models	-	-	-	-	-	-	-	-	-	IP7134 (WLAN)	PZ8111W/21W (WLAN)	PZ7132 (WLAN)	PT7137 (WLAN)
Image Sensor	1/2.7" CMOS	1/3" CMOS	1/3.2" CMOS	1/4" CMOS	1/4" CMOS	1/2.7" CMOS	1/3" CMOS	1/3.2" CMOS	1/4" CMOS	1/4" CMOS	1/4" CCD	1/4" CMOS	1/4" CMOS
Minimum Illumination	0.57 Lux / F1.2 @ 1/30s 0.08 Lux / F1.2 @ 1/5s	0.1 Lux @ F1.2	0.1 Lux @ F1.2	0 Lux @ F1.8 (IR LED on)	0 Lux @ F1.6 (IR LED on)	0.06 Lux @ F1.2	0.04 Lux @ F1.2	0.1 Lux @ F1.2	3.0 Lux @ F2.4	0.4 Lux @ F2.0	0.05 Lux @ F1.8	1.25 Lux @ F1.9	1.5 Lux @ F2.0
Auto-iris	Yes	Yes	Yes	-	-	Yes	Yes	Yes	-	-	Yes	Yes	-
Lens Type	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	· 3.1 ~ 8 mm, F1.2, CS-mount, auto iris (IP8162) · 3.1 ~ 8 mm, F1.2, CS-mount, P-iris (IP8162P)	· 3.1 ~ 8 mm, F1.2, CS-mount, auto iris (IP8151) · 3.1 ~ 8 mm, F1.2, CS-mount, P-iris (IP8151P)	3.1 ~ 8 mm, F1.2 CS-mount	3.29 mm, F2.4 Fixed	4.09 mm, F2.0 Fixed	10x optical zoom 4.2 ~ 42 mm F1.8 (w), F2.9 (t)	2.6x optical zoom 2.8 ~ 7.3 mm, F1.9	4.09 mm, F2.0 Fixed
Max Video Resolution	1920x1080	1280x1024	1600x1200	1280x800	640x480	1920x1080	1280x1024	1600x1200	1280x800	640x480	720x480/NTSC 720x576/PAL	640x480	640x480
Frames per Second	Up to 30 fps @ 1920x1080	Up to 60 fps @ 1280x720 Up to 30 fps @ 1280x1024	Up to 30 fps @ 1280x720 Up to 15 fps @ 1600x1200	Up to 30 fps @ 1280x800	Up to 60 fps @ 640x480	Up to 30 fps @ 1920x1080	Up to 30 fps @ 1280x1024	Up to 30 fps @ 1280x720 Up to 15 fps @ 1600x1200	Up to 30 fps @ 1280x800	Up to 30 fps @ 640x480	Up to 30 fps @ 720x480 Up to 25 fps @ 720x576	Up to 30 fps @ 640x480	Up to 30 fps @ 640x480
Video Compression	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)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)
Multiple Streams	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Dual	Multiple	Dual	-
Networking	10/100BaseTX Ethernet	10/100/1000 Mbps Gigabit Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet · 10/100BaseTX Ethernet (IP7133) · 802.11b/g WLAN (IP7134)	· 10/100BaseTX Ethernet (PZ8111/21) · 802.11b/g WLAN (PZ8111W/21W)	· 10/100BaseTX Ethernet (PZ7131) · 802.11b/g WLAN (PZ7132)	· 10/100BaseTX Ethernet (PT7135) · 802.11b/g WLAN (PT7137)
Digital Input / Output	1/1	1/1	1/1	1/0	1/0	1/1	1/1	1/1	1/1	1/1	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 (Audio In)	Yes (2-way Audio)	Yes (2-way Audio)	Yes (Audio In)
On-board Storage	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot	SD/SDHC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot	SD/SDHC Card Slot	SD/SDHC Card Slot	SD/SDHC Card Slot	-	-	-	-	-
Tamper Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	-
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	Yes (IP67)	Yes (IP67)	Yes (IP67)	Yes (IP66)	Yes (IP66)	-	-	-	-	-	-	-	-
Vandal-proof	-	-	-	-	-	-	-	-	-	-	-	-	-
Value-added Features	IR Illuminators, Cable Management, Video Cropping, ePTZ, WDR Enhanced	Supreme Night Visibility, Exceptional 60 fps, IR Illuminators, Cable Management, Video Cropping, ePTZ	IR Illuminators, Cable Management, Video Cropping, ePTZ	IR Illuminators	Supreme Night Visibility, Exceptional 60 fps, IR Illuminators	Video Cropping, ePTZ, WDR Enhanced, Focus Assist	· Supreme Night Visibility, Lens Adjustment Ring · WDR Enhanced, Focus Assist (IP8151P Only)	Video Cropping, ePTZ, Lens Adjustment Ring	Privacy Button	Privacy Button	-	-	-

Network Cameras - Dome Series

	SD8362E (PoE Plus)	SD8311E/12E/13E (NTSC, PoE Plus) SD8321E/22E/23E (PAL, PoE Plus)	SD8111 (NTSC) SD8121 (PAL)	FD8362/62E (PoE)	FD8361 (PoE)	FD8162 (PoE)	FD8133 FD8134 (PoE)	FD8133V FD8134V (PoE)	MD8562 (PoE) MD8562D (DC Power)	MD7530/60 (PoE) MD7530D/60D (DC Power)	FE8171V	
Wired Models	SD8362E (PoE Plus)	SD8311E/12E/13E (NTSC, PoE Plus) SD8321E/22E/23E (PAL, PoE Plus)	SD8111 (NTSC) SD8121 (PAL)	FD8362/62E (PoE)	FD8361 (PoE)	FD8162 (PoE)	FD8133 FD8134 (PoE)	FD8133V FD8134V (PoE)	MD8562 (PoE) MD8562D (DC Power)	MD7530/60 (PoE) MD7530D/60D (DC Power)	FE8171V	
Wireless Models	-	-	-	-	-	-	-	-	-	-	-	
Image Sensor	1/3" CMOS	1/4" Progressive Scan CCD	1/4" ExView HAD CCD	1/2.7" CMOS	1/3.2" CMOS	1/2.7" CMOS	1/4" CMOS	1/4" CMOS	1/2.7" CMOS	· 1/4" CMOS (MD7530/30D) · 1/3.2" CMOS (MD7560/60D)	1/2" CMOS	
Minimum Illumination	Less than 0.5 Lux @ F1.6, 50IRE	· 0.7 Lux @ F1.4, 50IRE (SD8311E/21E) · 0.65 Lux @ F1.35, 50IRE (SD8312E/22E) · 1.4 Lux @ F1.6, 50IRE (SD8313E/23E)	0.1 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	0.57 Lux @ F1.2 (1/30S) 0.08 Lux @ F1.2 (1/5S) 0.001 Lux @ F1.2 (B/W)	0 Lux @ F1.2 (IR LED on)	0.57 Lux @ F1.2 (1/30S) 0.08 Lux @ F1.2 (1/5S) 0.001 Lux @ F1.2 (B/W)	· 0.3 Lux @ F1.8 (FD8133) · 0 Lux @ F1.8 (IR LED on) (FD8134)	· 0.3 Lux @ F1.8 (FD8133V) · 0 Lux @ F1.8 (IR LED on) (FD8134V)	TBD	· 0.5 Lux @ F2.0 (MD7530/30D) · 0.6 Lux @ F2.0 (MD7560/60D)	TBD	
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)	3 ~ 9 mm F1.2 (w), F2.1 (t) Stepping motor	3 ~ 9 mm F1.2 (w), F2.1 (t)	3 ~ 9 mm F1.2 (w), F2.1 (t)	3.6 mm, F1.8 Fixed	3.6 mm, F1.8 Fixed	2.8 mm, F2.0 Fixed	2.8 mm, F2.0 Fixed	2.8 mm, F2.0 Fixed	1.27 mm, F2.8 Fixed
Max Video Resolution	1920x1080	720x480/NTSC 720x576/PAL	720x480/NTSC 720x576/PAL	1920x1080	1600x1200	1920x1080	1280x800	1280x800	1920x1080	· 640x480 (MD7530/30D) · 1600x1200 (MD7560/60D)	2048x1536	
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 30 fps @ 1920x1080	Up to 30 fps @ 1280x720 Up to 15 fps @ 1600x1200	Up to 30 fps @ 1920x1080	Up to 30 fps @ 1280x800	Up to 30 fps @ 1280x800	Up to 30 fps @ 1920x1080	· Up to 30 fps @ 640x480 (MD7530/30D) · Up to 30 fps @ 1280x720 (MD7560/60D) · Up to 15 fps @ 1600x1200 (MD7560/60D)	Up to 12 fps @ 2048x1536 Up to 15 fps @ 1536x1536	
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)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	
Multiple Streams	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	Multiple	· Dual (MD7530/30D) · Multiple (MD7560/60D)	Multiple	
Networking	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	10/100BaseTX Ethernet	
Digital Input / Output	3/2	3/2	4/1	1/1	1/1	1/1	1/0	1/0	1/0	-	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 (Audio In)	Yes (Audio In)	Yes (2-way Audio)	
On-board Storage	SD/SDHC Card Slot	SD/SDHC Card Slot	SD/SDHC Card Slot	MicroSD/SDHC Card Slot	SD/SDHC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC/SDXC Card Slot	
Tamper Detection	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
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) (FD8134)	Yes (Removable IR-cut Filter) (FD8134V)	-	-	Yes (Removable IR-cut Filter)	
Weather-proof	Yes (IP66)	Yes (IP66)	-	Yes (IP66)	Yes (IP66)	-	-	Yes (IP66)	Yes (IP67)	Yes (IP67)	Yes (IP66)	
Vandal-proof	-	-	-	Yes	Yes	-	-	Yes	Yes	Yes	Yes	
Value-added Features	Exceptional 60 fps, Video Cropping, 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	· Video Cropping, ePTZ, WDR Enhanced, Smart Focus System · Wide Temperature Range (FD8362E)	IR Illuminators, 3-axis, Video Cropping, ePTZ	IR Illuminators, 3-axis, ePTZ, PIR, WDR Enhanced, Focus Assist	· 3-axis · IR Illuminators (FD8134)	· 3-axis · IR Illuminators (FD8134V)	EN50155, Video Cropping, ePTZ	· Temperature Trigger, EN50155, Video Cropping (MD7560/60D) · ePTZ (MD7560/60D)	EN50155, ePTZ, Video Cropping	