

Video Servers & Video Receiver



Models	VS8102	VS7100	RX7101
Video source	1 analog camera input	1 analog camera input	4-CH stream
Video modulation	NTSC/PAL auto detection	NTSC/PAL auto detection	NTSC/PAL
Max video resolution	720 x 480/NTSC 720 x 576/PAL	704x480/NTSC 704x576/PAL	704x480/NTSC 704x576/PAL
Frames per second	Up to 30/NTSC Up to 25/PAL	Up to 30/NTSC Up to 25/PAL	Up to 30/NTSC Up to 25/PAL
Audio capability	Yes	Yes	Yes
Video compression	Triple-Codec (H.264/MPEG-4/MJPEG)	Dual-Codec (MPEG-4/MJPEG)	—
Serial connectors	RS485	RS485	RS485
Pan/tilt/zoom control	Yes	Yes	Yes
Networking	10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet
Digital input / output	1 / 1	1 / 1	0 / 4
Motion detection	Yes	Yes	—
Multiple streams	Multiple	Multiple	—
PoE	Yes	Optional	—
Decoding	—	—	MJPEG/MPEG-4
Local storage	SD/SDHC card slot	—	—



Central Management Software



VAST

Client/Server and Hierarchical Architecture

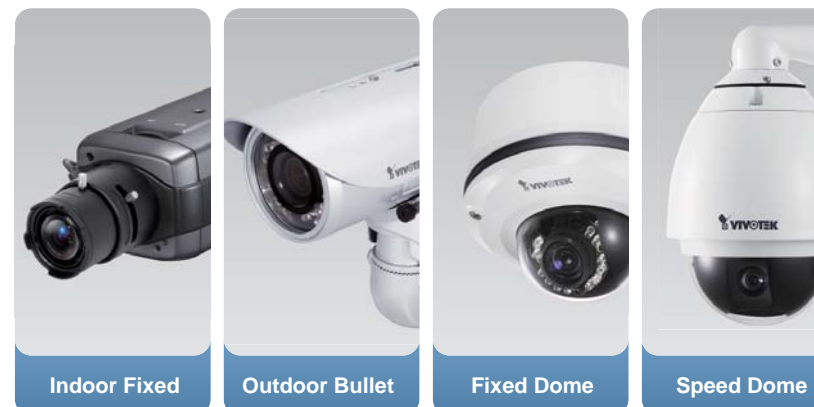
- > Convenient Remote Access via Client/Server Architecture
- > Powerful Hierarchical Management for Unlimited Number of Stations *
- > Effective & Reliable Event Trigger Management
- > Real-time 64-channel Live Viewing and Simultaneous 16-channel Playback
- > Multiple Simultaneous Streams for Different Media Platforms
- > Activity Adaptive Streaming for Dramatically Reducing Bandwidth and Storage Space
- > Synchronous/ Asynchronous Playback for Effortless Review
- > Extremely Versatile Settings for Recording Group and Recording Schedule Management
- > Role-based User Management to Enhance Security Operations
- > Efficient Data Backup, Search, and Export
- > Intelligent PTZ/ E-PTZ Remote Camera Control
- > Overall Device Management through Intuitive E-map Feature
- > Convenient PIP Digital Zoom for Close-up Viewing
- > Splendid Virtual Matrix for Numerous Display

* The number of linked devices will depend on the licenses on the key dongle.

Products & Solutions

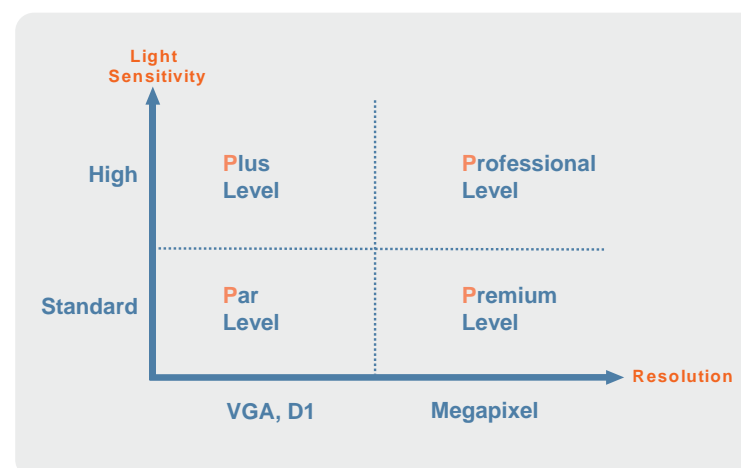
Network Camera Types

VIVOTEK network cameras come in four major form factors, each offering a full product line aimed at satisfying a range of requirements and applications. An Indoor Fixed camera is designed to monitor a specific area with a clearly visible direction; an Outdoor Bullet is equipped with a weather-proof housing for demanding outdoor environments. A Fixed Dome is used when the camera must blend with the environment, while a Speed Dome features continuous patrol of an area at high speeds.



Product Positioning

Based on the light sensitivity and resolution characteristics, VIVOTEK products fall into one of four levels: Professional, Premium, Plus, and Par. With well-defined products positioned in each of these areas, VIVOTEK is able to cater to the demands of different market segments for versatile applications.



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 for various purpose. With the SIA Program, partners have more flexibility to enhance functions 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.



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Product Brochure English



VIVOTEK Inc., established in 2000, has quickly taken its place as a technology leader in the IP Surveillance industry. Through complete integration of video codecs, optoelectronics, and networking technologies, VIVOTEK's innovative R&D teams are dedicated to developing highly reliable IP surveillance products, including network cameras, video servers, video receivers, NVR, and central management software to deliver practical, state-of-the-art solutions to the security market.



Diverse Product Lineup

SD8111/8121

12x Zoom · Day & Night · 3D Noise Reduction · WDR

- > 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)
- > Multiple Simultaneous Streams
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > 3D Noise Reduction for Clear Nighttime Images
- > WDR (Wide Dynamic Range) for High Contrast Environments
- > 3GPP Mobile Surveillance
- > Two-way Audio via SIP Protocol
- > Built-in SD/SDHC Card Slot for On-board Storage
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability



FD8133/8134

H.264 · MicroSD/SDHC · Compact Design

- > Easy and Flexible Installation
- > Compact and Attractive ID Design
- > 1/4" CMOS Sensor in 1280 X 800 Resolution
- > 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)
- > Simultaneous Multiple Streams
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Tamper Detection for Unauthorized Changes
- > 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
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability



FD8361

2MP · H.264 · Day & Night · Vandal-proof

- > 2-megapixel CMOS Sensor
- > 3 ~ 9 mm Vari-focal, Auto-iris Lens
- > Removable IR-cut Filter for Day and 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
- > Video Cropping for Bandwidth Saving
- > ePTZ for Data Efficiency
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Tamper Detection for Unauthorized Changes
- > Vandal-proof and Weather-proof IP66-rated Housing
- > Built-in 802.3af Compliant PoE
- > Built-in SD/SDHC Card Slot for On-board Storage
- > Built-in Heater and Fan, Supported by PoE
- > 3-axis Mechanical Design for Ceiling and Wall Mount Installation
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability



IP8132/8133/8134

H.264 · Privacy Button · Compact Design

- > Compact, Elegant Design
- > 1/4" CMOS Sensor in 1280 X 800 Resolution
- > Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- > Multiple Simultaneous Streams
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Privacy Button to Pause Monitoring
- > Tamper Detection for Unauthorized Changes
- > Built-in MicroSD/SDHC Card Slot for On-board Storage
- > Built-in PIR Sensor for Unauthorized Intruder Detection (IP8133/34)
- > Built-in White-light Illuminators for Event Triggering (IP8133/34)
- > Built-in 802.3af Compliant PoE (IP8133)
- > Built-in 802.11b/g/n WLAN (IP8134)
- > Wi-Fi Protected Setup (WPS) for Easy and Secure Wireless Network Connection (IP8134)
- > Built-in Microphone and Speaker for Two-way Audio (IP8133/34)
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability



MD7560(D)/7530(D)

2-Megapixel · Vandal-proof · Mobile Surveillance

- > 2-megapixel CMOS Sensor (MD7560/7560D)
- > EN50155 Compliance for Professional Mobile Surveillance
- > Wide Angle Fixed Lens
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Multiple Simultaneous Streams (MD7560/7560D)
- > Dual Simultaneous Streams (MD7530/7530D)
- > Video Cropping for Bandwidth Savings (MD7560/7560D)
- > ePTZ for Data Efficiency (MD7560/7560D)
- > Temperature Alarm Trigger
- > Tamper Detection for Unauthorized Changes
- > IP67-rated, Tamper- and Vandal-proof Housing
- > Built-in 802.3af Compliant PoE (MD7560/7530)
- > Built-in MicroSD/SDHC Card Slot for On-board Storage



IP7361

2MP · Outdoor · 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
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > 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
- > Digital I/O for External Sensor and Alarm
- > Mounting Bracket with Cable Management for Protected Installation



Network Cameras - Fixed Series

Wired Models	IP7361 (PoE)	IP8332 (PoE)	IP8330 (PoE)	IP7330 (PoE)	IP7142 (PoE)	IP8161 (PoE)	IP7161 (PoE)	IP7160 (PoE)	IP7153 (PoE)	IP7130 (PoE)	IP8132 IP8133 (PoE)	IP7133
Wireless models	—	—	—	—	—	—	—	—	IP7154 (WLAN)	—	IP8134 (WLAN)	IP7134 (WLAN)
Image sensor	1/3.2 inch CMOS	1/4 inch CMOS	1/4 inch CMOS	1/4 inch CMOS	1/3.2 inch WDR CMOS	1/3.2 inch CMOS	1/3.2 inch CMOS	1/3.2 inch CMOS	1/4 inch progressive CCD	1/4 inch CMOS	1/4 inch CMOS	1/4 inch CMOS
Minimum illumination	0.1 Lux @ F1.2	0 Lux @ F1.8 (IR LED on)	0 Lux @ F1.6 (IR LED on)	0 Lux @ F1.8 (IR LED on)	0.68 Lux @ F1.4 0 Lux @ F1.4 (IR LED on)	0.1 Lux @ F1.2	0.8 Lux @ F1.6	0.3 Lux @ F1.8	0.2 Lux @ F1.0	0.1 Lux @ F1.6	TBD Lux @ F2.4	0.4 Lux @ F2.0
Auto-iris	Yes	—	—	—	—	Yes	Yes	Yes (optional)	Yes	—	—	—
Lens type	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	3.3 ~ 12 mm F1.4 (w), F2.9 (t)	3 ~ 8 mm, F1.2 CS-mount	4.5 ~ 10 mm, F1.6 CS-mount	4.2 mm, F1.8 / Fixed, CS-mount	2.9 ~ 8.2 mm, F1.0 CS-mount	4.0 mm, F1.6 Fixed, CS-mount	3.29 mm, F2.4 Fixed	4.09 mm, F2.0 Fixed
Max video resolution	1600x1200	1280x800	640x480	640x480	720x480	1600x1200	1600x1200	1600x1200	640x480	640x480	1280 x 800	640x480
Frames per second	Up to 30 fps @ 1280x720 Up to 15 fps @ 1600x1200	Up to 30/60Hz Up to 25/50Hz	Up to 60 fps @ 640x480	Up to 30/60Hz Up to 25/50Hz	Up to 30 fps @ 720x480	Up to 30 fps @ 1280x720 Up to 15 fps @ 1600x1200	Up to 30 fps @ 1280x720 Up to 15 fps @ 1600x1200	Up to 30 fps @ 1280x720 Up to 15 fps @ 1600x1200	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz
Video compression	Dual-Codec (MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Triple-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)
Multiple streams	Multiple	Multiple	Multiple	Dual	Dual	Multiple	Multiple	Multiple	Dual	Dual	Multiple	Dual
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
Digital input / output	1 / 1	1 / 0	1 / 0	1 / 0	1 / 1	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 (2-way audio)	Yes (2-way audio) (IP8133/34)	Yes
Local Storage	SD/SDHC card slot	MicroSD/SDHC card slot	MicroSD/SDHC card slot	—	—	SD/SDHC card slot	SD/SDHC card slot	SD/SDHC card slot	—	—	MicroSD/SDHC 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	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 (IP66)	Yes (IP66)	Yes (IP66)	Yes (IP66)	—	—	—	—	—	—	—
Value-added features	IR illuminators, Cable management, Video cropping, ePTZ	IR illuminators	Supreme Night Visibility, Exceptional 60 fps, IR illuminators	IR illuminators	IR illuminators, WDR	Video cropping, ePTZ, Adjustment ring	Video cropping, ePTZ, Adjustment ring	Video cropping, ePTZ	—	—	Privacy button (IP8132/33/34), PIR, White-light LEDs, Built-in speaker (IP8133/34), WPS (IP8134)	Privacy Button

Network Cameras - Dome Series

Wired Models	SD7313 (NTSC) SD7323 (PAL)	SD7151	SD8111 (NTSC) SD8121 (PAL)	FD8361 (PoE)	FD7141 (PoE)	MD7530/MD7560 (PoE) MD7530D/MD7560D (DC Power)	FD8133 FD8134 (PoE)	FD8161 (PoE)	FD7132 (PoE)	FD7131 (PoE)
Wireless models	—	—	—	—	—	—	—	—	—	—
Image sensor	1/4 inch ExView HAD CCD	1/4 inch progressive CCD	1/4 inch ExView HAD CCD	1/3.2 inch CMOS	1/3.3 inch WDR CMOS	1/3.2 inch CMOS (MD7560/7560D) 1/4 inch CMOS (MD7530/7530D)	1/4 inch CMOS	1/3.2 inch CMOS	1/4 inch CMOS	1/4 inch CMOS
Minimum illumination	0.05 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (B/W)	1.61 Lux @ F1.4 0.38 Lux @ F1.4 without IR-cut filter	0.1 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	0 Lux @ F1.2 (IR LED on)	0.5 Lux @ F1.4 (FD7141) 0 Lux @ F1.4 (IR LED on)	0.6 Lux @ F1.4 (MD7560/7560D) 0.5 Lux @ F2.0 (MD7530/7530D)	0.3 Lux @ F1.8 (FD8133) 0 Lux @ F1.8 (IR LED on) (FD8134)	0 Lux @ F1.2 (IR LED on)	0.56 Lux @ F1.4 0 Lux @ F1.4 (IR LED on)	1.5 Lux @ F1.4
Auto-iris	Yes	Yes	—	Yes	—	—	—	Yes	Yes	—
Lens type	35x optical zoom 3.4 ~ 119 mm F1.4 (w), F4.2 (t)	18x optical zoom 4.1 ~ 73.8 mm F1.4 (w), F3.0 (t)	12x Optical Zoom 3.8 ~ 45.6 mm F1.6 (w), F2.7 (t)	3 ~ 9 mm F1.2 (w), F2.1 (t)	3.3 ~ 12 mm F1.4 (w), F2.9 (t) (FD7141)	2.8 mm, F2.0 Fixed	3.6 mm, F1.8 Fixed	3 ~ 9 mm F1.2 (w), F2.1 (t)	3.3 ~ 12 mm F1.4 (w), F2.9 (t)	2 ~ 4 mm F1.4 (w), F1.8 (t)
Max video resolution	704x480/NTSC 704x576/PAL	640x480	720 x 480/NTSC 720 x 576/PAL	1600x1200	720x480	1600 x 1200 (MD7560/7560D) 640 x 480 (MD7530/7530D)	1280 x 800	1600x1200	640x480	640x480
Frames per second	Up to 30/NTSC Up to 25/PAL	Up to 30/60Hz Up to 25/50Hz	Up to 30/NTSC Up to 25/PAL	Up to 30 fps @ 1280x720 Up to 15 fps @ 1600x1200	Up to 30 fps @ 720x480	Up to 30 fps @ 800x600 (MD7560/7560D) Up to 15 fps @ 1600x1200 (MD7560/7560D) Up to 30 fps @ 640 x 480 (MD7530/7530D)	Up to 30/60Hz Up to 25/50Hz	Up to 30 fps @ 1280x720 Up to 15 fps @ 1600x1200	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz
Video compression	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)
Multiple streams	Dual	Dual	Multiple	Multiple	Dual	Multiple (MD7560/7560D) Dual (MD7530/7530D)	Multiple	Multiple	Dual	Dual
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
Digital input / output	4 / 1	4 / 1	4 / 1	1 / 1	1 / 1	—	1 / 0	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 (2-way audio)	Yes (2-way audio)
Local Storage	SD/SDHC card slot	—	SD/SDHC card slot	SD/SDHC card slot	SD/SDHC card slot	MicroSD/SDHC card slot	MicroSD/SDHC card slot	SD/SDHC card slot	—	—
Tamper Detection	—	—	—	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) (FD8134)	Yes (Removable IR-cut filter)	Yes (Removable IR-cut filter)	—
Weather-proof	Yes (IP66)	Yes (IP66)	—	Yes (IP66)	Yes (IP66)	Yes (IP67)	—	—	—	—
Value-added features	WDR, EIS	—	3D noise reduction, WDR	Vandal-Proof, IR illuminators, 3-axis, Video cropping, ePTZ	Vandal-proof, IR illuminators, 3-axis, WDR	Vandal-proof, Temperature trigger, EN50155, Video cropping (MD7560/7560D), ePTZ (MD7560/7560D)	IR illuminators (FD8134), 3-axis	PIR, IR illuminators, 3-axis, Video cropping, ePTZ	PIR, IR illuminators, 3-axis	PIR, White-light LEDs, 3-axis

Network Cameras - PTZ Series

Wired Models	PZ7111 (NTSC, PoE) PZ7121 (PAL, PoE)	PZ7131 (PoE)	PT7135
Wireless models	PZ7112 (NTSC, WLAN) PZ7122 (PAL, WLAN)	PZ7132 (WALN)	PT7137 (WLAN)
Image sensor	1/4 inch CCD	1/4 inch CMOS	1/4 inch CMOS
Minimum illumination	1.5 Lux @ F1.8 0.05 Lux @ F1.8 (Low light mode)	1.25 Lux @ F1.9	1.5 Lux @ F2.0
Auto-iris	Yes	Yes	—
Lens type	10x optical zoom, 4.2 ~ 42 mm F1.8 (w), F2.9 (t)	2.6x optical zoom 2.8 ~ 7.3 mm, F1.9	4.0 mm, F2.0 Fixed
Max video resolution	704x480/NTSC 704x576/PAL	640x480	640x480
Frames per second	Up to 30/NTSC Up to 25/PAL	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz
Video compression	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	MPEG-4
Multiple streams	Dual	Dual	—
Networking	10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet
Digital input / output	1 / 1	1 / 1	—
Audio capability	Yes (2-way audio)	Yes (2-way audio)	Yes
Local Storage	—	—	—
Tamper Detection	—	—	—
Day/Night	—	—	—
Weather-proof	—	—	—
Value-added features	—	—	—