

Product Catalogue

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



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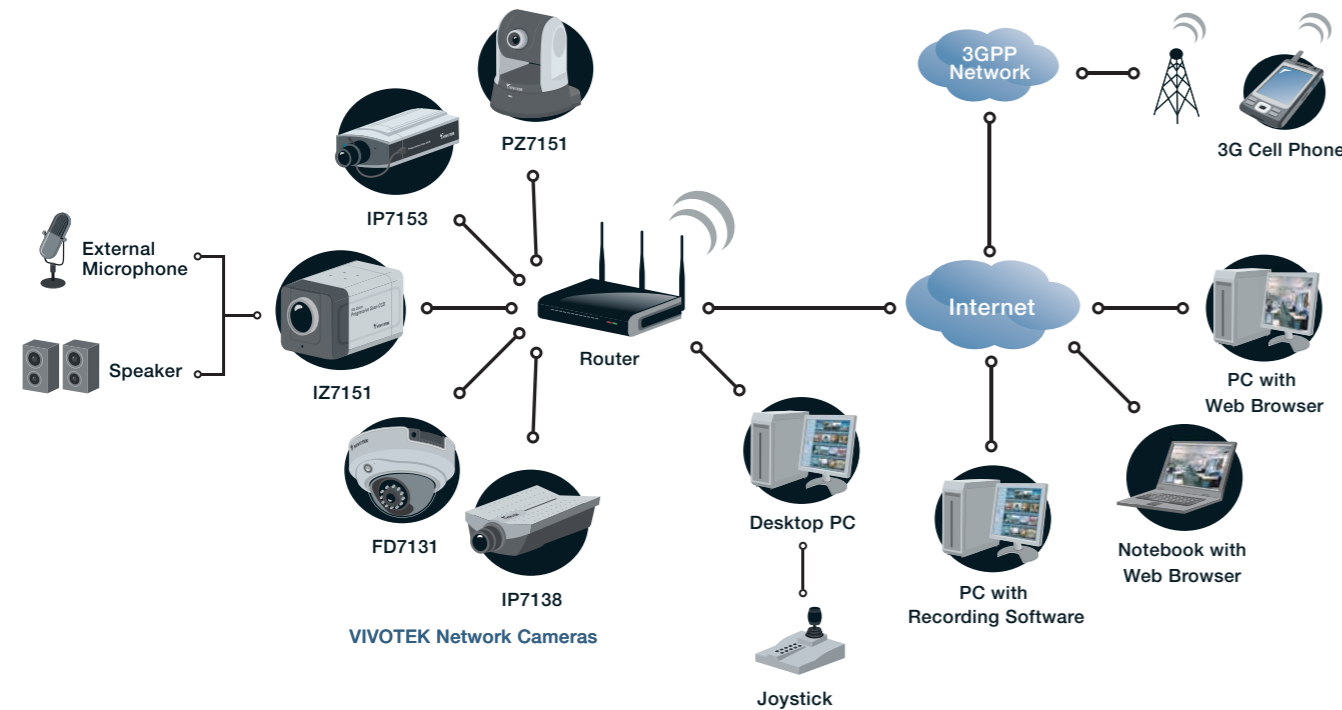


Network Cameras

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 whole series of network cameras, ranging from entry level to high end, enable to meet various requirements for diverse IP surveillance applications.

System Overview



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



IP8332

H.264 · Outdoor · Day&Night



- > 1/4" CMOS Sensor in 1280 X 800 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 Multiple Streams
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Weather-proof IP66-rated Housing
- > Tamper Detection for Unauthorized Changes
- > Built-in 802.3af Compliant PoE
- > Digital Input for External Sensor
- > MicroSD/SDHC Card Slot for On-board Storage
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability

IP7361

2MP · Day & Night · Cable Management



- > 2-megapixel CMOS Sensor
- > 3 ~ 9 mm Vari-focal, Auto-iris Lens
- > Removeable 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)
- > Simultaneous Dual 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 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 Concealment

IP8330

H.264 · Outdoor · Supreme Night Visibility



- > Supreme Night Visibility
- > Up to 60fps@640 x 480
- > Removable IR-cut Filter 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 Multiple Streams
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Weather-proof IP66-rated Housing
- > Tamper Detection for Unauthorized Changes
- > Built-in 802.3af Compliant PoE
- > Digital Input for External Sensor
- > MicroSD/SDHC Card Slot for On-board Storage
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability

IP7142

Outdoor · WDR · Day&Night



- > Wide Dynamic Range CMOS Sensor
- > 3.3 ~ 12 mm Vari-focal Lens
- > Removeable IR-cut Filter for Day & Night Function
- > Built-in IR Illuminators, effective up to 15 Meters
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > Weather-proof IP66-rated Housing
- > Built-in 802.3af Compliant PoE
- > Two-way Audio via SIP Protocol
- > Digital I/O for External Sensor and Alarm
- > RS-485 Interface for Scanners, Pan/Tilts

IP7330

Outdoor · Day&Night · Weather-proof



- > 1/4" CMOS Sensor in VGA Resolution
- > Dual-band Lens for Day & Night Function
- > Built-in IR Illuminators, effective up to 10 Meters
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > Weather-proof IP66-rated Housing
- > Tamper Detection for Unauthorized Changes
- > Built-in 802.3af Compliant PoE
- > Digital Input for External Sensor
- > HTTPS Encrypted Data Transmission



IP8161

2MP · H.264 · Day & Night



- > 2-megapixel CMOS Sensor
- > 3 ~ 8 mm Vari-focal, Auto-iris Lens
- > Removable IR-cut Filter for Day and Night Function
- > Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- > Simultaneous Multiple Streams
- > Video Cropping for Bandwidth Saving
- > ePTZ for Data Efficiency
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Tamper Detection for Unauthorized Changes
- > 802.1X Port-based Authentication for Network Protection
- > Built-in SD/SDHC Card Slot for On-board Storage
- > Built-in 802.3af Compliant PoE
- > CS- or C-mount Adjustment Ring for Flexible Lens Installation
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability

IP7160

2MP · Dual Streams · SD/SDHC Card



- > 2-megapixel CMOS Sensor
- > Auto-iris Lens (Optional)
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > Video Cropping for Bandwidth Saving
- > ePTZ for Data Efficiency
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Tamper Detection for Unauthorized Changes
- > Built-in 802.3af Compliant PoE
- > Two-way Audio via SIP Protocol
- > Built-in SD/SDHC Card Slot for On-board Storage

PZ7111/PZ7121

10x Zoom · Dual Streams



- > 10x Optical Zoom Lens
- > Motorized Pan/Tilt (Pan: -150° ~ +150°; Tilt: -45° ~ +90°)
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > 3GPP Mobile Surveillance
- > Built-in 802.3af Compliant PoE (PZ7111/PZ7121)
- > Built-in 802.11b/g WLAN (PZ7112/PZ7122)
- > Two-way Audio via SIP Protocol
- > Built-in/External Microphone Switch
- > HTTPS Encrypted Data Transmission
- > Digital I/O for External Sensor and Alarm

PT7135

3GPP · MPEG-4 · Compact Design



- > Motorized Wide-range Pan/Tilt (Pan: -175° ~ +175°; Tilt: -35° ~ +90°)
- > Real-time MPEG-4 Compression in VGA Resolution
- > 3GPP Mobile Surveillance
- > Built-in 802.11b/g WLAN (PT7137)
- > Compact Size with Stylish Design
- > Triple-window Motion Detection
- > Pre- and Post-alarm Snapshots
- > Superior Low Light Performance

IP7161

2MP · Day & Night · Adjustment Ring



- > 2-megapixel CMOS Sensor
- > 4.5 ~ 10 mm Vari-focal, Auto-iris Lens
- > Removable IR-cut Filter for Day and Night Function
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > Video Cropping for Bandwidth Saving
- > ePTZ for Data Efficiency
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Tamper Detection for Unauthorized Changes
- > Built-in 802.3af Compliant PoE
- > Two-way Audio via SIP Protocol
- > Built-in SD/SDHC Card Slot for On-board Storage
- > CS- or C-mount Adjustment Ring for Flexible Lens Installation

IP7130

Tamper Detection · Dual Streams



- > 1/4" CMOS Sensor in VGA Resolution
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > Tamper Detection for Unauthorized Changes
- > 3GPP Mobile Surveillance
- > Built-in 802.3af Compliant PoE
- > Two-way audio via SIP protocol
- > Digital I/O for External Sensor and Alarm
- > HTTPS Encrypted Data Transmission

PZ7131

2.6x Zoom · Dual Streams



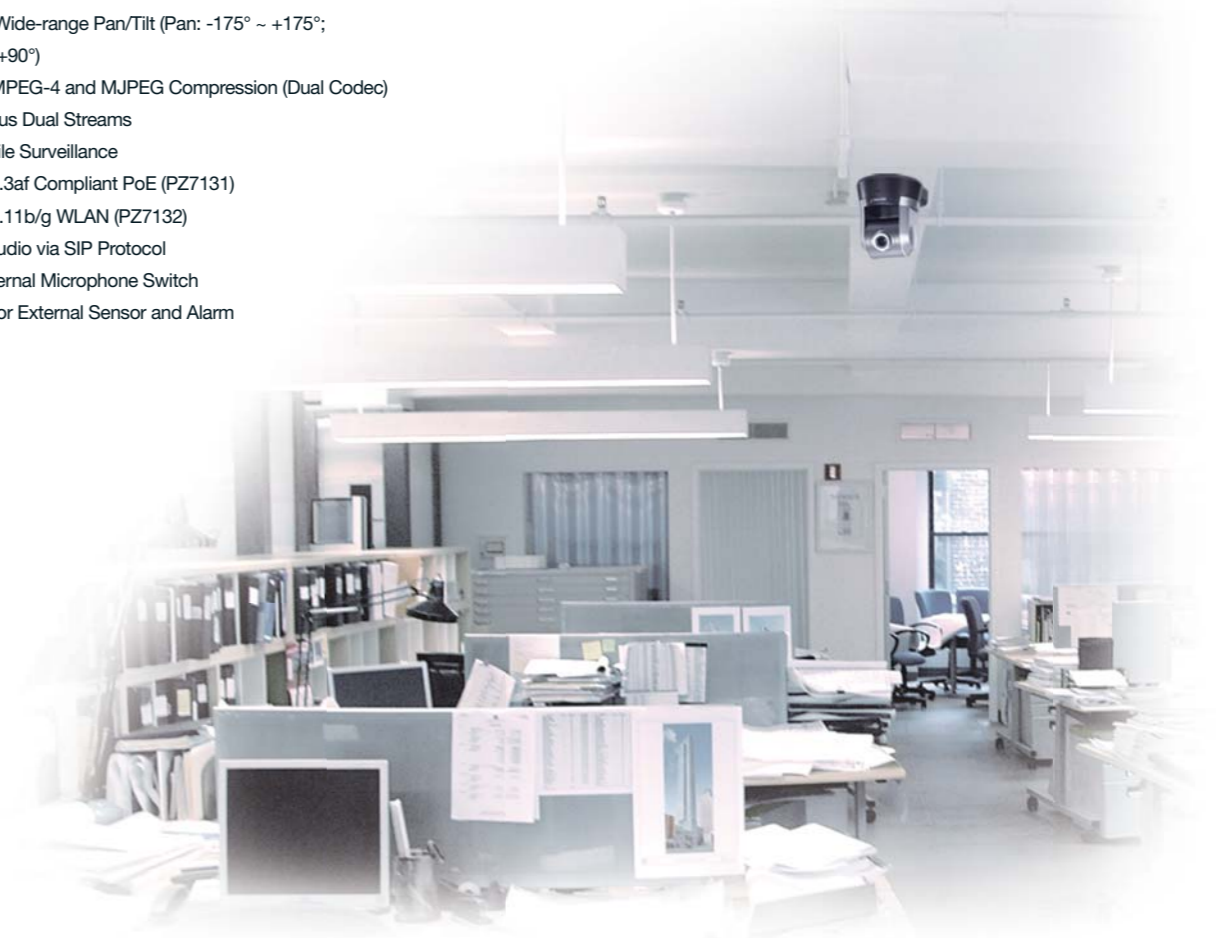
- > 1/4" CMOS Sensor in VGA Resolution
- > 2.6x Pan-focus Zoom Lens
- > Motorized Wide-range Pan/Tilt (Pan: -175° ~ +175°; Tilt: -35° ~ +90°)
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > 3GPP Mobile Surveillance
- > Built-in 802.3af Compliant PoE (PZ7131)
- > Built-in 802.11b/g WLAN (PZ7132)
- > Two-way Audio via SIP Protocol
- > Built-in/External Microphone Switch
- > Digital I/O for External Sensor and Alarm

IP7133

3GPP · Privacy Button · Compact Design



- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > 3GPP Mobile Surveillance
- > Built-in 802.11b/g WLAN (IP7134)
- > Digital I/O for External Sensor and Alarm
- > Privacy Button to Pause Monitoring
- > Easy to Install with VIVOTEK Installation Wizard 2
- > Stylish Design for Home Decoration



SD7313/SD7323

35x Zoom · Outdoor · WDR · Day & Night



- > SONY EXview HAD CCD Sensor in D1 Resolution
- > WDR (Wide Dynamic Range) for High Contrast Environments
- > 35x Zoom Lens
- > 360° Continuous Pan and 90° Tilt
- > Removable IR-cut Filter for Day & Night Function
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > Weather-proof IP66-rated Housing
- > EIS (Electronic Image Stabilizer) for Ultimate Video Experience
- > 3D Privacy Masks for Private Area Protection
- > 3GPP Mobile Surveillance
- > Two-way Audio via SIP Protocol
- > Built-in SD/SDHC Card Slot for On-board Storage

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)
- > Simultaneous Multiple 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

FD8161

2MP · H.264 · Day & Night · PIR



- > 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 15 Meters
- > Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- > Simultaneous Multiple Streams
- > Video Cropping for Bandwidth Saving
- > ePTZ for Data Efficiency
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Built-in PIR Sensor for Human Detection
- > Tamper Detection for Unauthorized Changes
- > Built-in 802.3af Compliant PoE
- > Built-in SD/SDHC Card Slot for On-board Storage
- > 3-axis Mechanical Design for Ceiling/Wall Mount Installation
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability

FD7131

3-axis · PIR · White-light LEDs



- > Wide Angle Vari-focal Lens
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > 3-axis Mechanical Design for Ceiling/Wall Mount Installation
- > Built-in PIR Sensor for Human Detection
- > Built-in White-light Illuminators
- > 3GPP Mobile Surveillance
- > Built-in 802.3af Compliant PoE
- > Two-way Audio via SIP Protocol
- > Digital I/O for External Sensor and Alarm
- > HTTPS Encrypted Data Transmission

SD7151

18x Zoom · Outdoor · Day&Night · Progressive CCD



- > SONY Progressive Scan CCD Sensor in VGA Resolution
- > 18x Zoom Lens
- > 360° Continuous Pan and 0°-90° Flip Tilt
- > Removable IR-cut Filter for Day & Night Function
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > Weather-proof IP66-rated Housing
- > 3GPP Mobile Surveillance
- > Easy, Fast, Accurate PTZ Control by Joystick
- > Two-way Audio via SIP Protocol
- > Digital I/O for External Sensor and Alarm

FD7141/FD7141V

Outdoor · WDR · Vandal-proof



- > Wide Dynamic Range CMOS Sensor
- > 3.3 ~ 12 mm Vari-focal Lens (FD7141)
- > 9 ~ 22 mm Vari-focal Lens (FD7141V)
- > Removable IR-cut Filter for Day and Night Function
- > Built-in IR Illuminators, effective up to 15 Meters
- > Real-time MPEG-4 and MJPEG Compression (Dual codec)
- > Simultaneous Dual Streams
- > 3-axis Mechanical Design for Ceiling/Wall Mount Installation
- > Vandal-proof and Weather-proof IP66-rated Housing
- > Tamper Detection for Unauthorized Changes
- > 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

FD7132

Day&Night · 3-axis · PIR



- > 3.3 ~ 12 mm Vari-focal Lens with Auto-iris
- > Removable IR-cut Filter for Day & Night Function
- > Built-in IR Illuminators, effective up to 15 Meters
- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Simultaneous Dual Streams
- > 3-axis Mechanical Design for Ceiling/Wall Mount Installation
- > Built-in PIR Sensor for Human Detection
- > 3GPP Mobile Surveillance
- > Built-in 802.3af Compliant PoE
- > Two-way Audio via SIP Protocol
- > Digital I/O for External Sensor and Alarm
- > HTTPS Encrypted Data Transmission



Network Cameras



Wired Models	IP7361	IP8332/IP8330	IP7330	IP7142	IP8161	IP7161	IP7160	IZ7151	IP7251	IP7153	IP7130	IP7131	IP7133	IP7135
Wireless Models	—	—	—	—	—	—	—	—	—	IP7154 (802.11b/g)	—	IP7132 (802.11b/g)	IP7134 (802.11b/g)	IP7137 (802.11b/g)
Outdoor/Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Image Sensor	1/3.2 inch CMOS	1/4 inch CMOS	1/4 inch CMOS	1/3.3 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 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Minimum Illumination	0.1 Lux @ F1.2	0 Lux @ F1.8 (IR LED on) (IP8332) 0 Lux @ F1.6 (IR LED on) (IP8330)	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	1.61 Lux @ F1.4 0.38 Lux @ F1.4 without IR-cut filter	1.0 Lux @ F1.0	0.2 Lux @ F1.0	0.1 Lux @ F1.6	0.1 Lux @ F1.6	0.4 Lux @ F2.0	1.5 Lux @ F2.0
Auto-iris	Yes	—	—	—	Yes	Yes	Yes (optional)	Yes	Yes	Yes	—	—	—	—
Lens Type	3 ~ 9 mm F1.2 (w), F2.1 (t)	3.6 mm, F1.8 Fixed (IP8332) 4.0 mm, F1.6 Fixed (IP8330)	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	18x optical zoom / 4.1 ~ 73.8 mm/ F1.4 (w), F3.0 (t)	2.9 ~ 8.2 mm, F1.0 CS-mount	2.9 ~ 8.2 mm, F1.0 CS-mount	4.0 mm, F1.6 Fixed, CS-mount	4.0 mm, F1.6 Fixed, CS-mount	4.09 mm, F2.0 Fixed	4.0 mm, F2.0 Fixed
Max Video Resolution	1600x1200	1280x800 (IP8332) 640x480 (IP8330)	640x480	720x480	1600x1200	1600x1200	1600x1200	640x480	640x480	640x480	640x480	640x480	640x480	640x480
Frames per Second	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 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	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz
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	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	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)	Yes (2-way audio)	Yes (2-way audio)	Yes	Yes
Video Compression	Dual-Codec (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)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	MPEG-4	Dual-Codec (MJPEG/MPEG-4)
Multiple Streams	Multiple	Multiple	Dual	Dual	Multiple	Multiple	Multiple	Dual	Dual	Dual	Dual	—	Dual	—
PoE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (IP7153)	Yes	Yes (IP7131)	—	—
Value-added Features	IR illuminators • Day/Night • SD / SDHC card slot • Tamper detection • IP67	IR illuminators • Day/Night • IP66 • Tamper detection • Onvif support	IR illuminators • Day/Night • IP66 • Tamper detection	IR illuminators • Day/Night • IP66	Day/Night • SD / SDHC card slot • Tamper detection • Adjustment ring • Onvif support	Day/Night • SD / SDHC card slot • Tamper detection • Adjustment ring	SD/SDHC card slot • Tamper detection	Day/Night	Day/Night • Video content analysis	Day/Night	Tamper detection	—	—	—

Network Cameras



Wired Models	SD7313 SD7323	SD7151	FD8361	FD7141 FD7141V	FD8161	FD7132	FD7131	PZ7111 PZ7121	PZ7131	PT7135
Wireless Models	—	—	—	—	—	—	—	PZ7112/PZ7122 (802.11b/g)	PZ7132 (802.11b/g)	PT7137 (802.11b/g)
Outdoor/Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Image Sensor	1/4 inch ExView HAD CCD	1/4 inch progressive CCD	1/3.2 inch CMOS	1/3.3 inch WDR CMOS	1/3.2 inch CMOS	1/4 inch CMOS	1/4 inch CMOS	1/4 inch CCD	1/4 inch CMOS	1/4 inch CMOS
Video Modulation	NTSC/PAL	—	—	—	—	—	—	NTSC/PAL	—	—
Minimum Illumination	0.05 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (BW)	1.61 Lux @ F1.4 0.38 Lux @ F1.4 without IR-cut filter	0 Lux @ F1.2 (IR LED on)	0.5 Lux @ F1.4 (FD7141) 0.4 Lux @ F1.4 (FD7141V) 0 Lux @ F1.4 (IR LED on)	0 Lux @ F1.2 (IR LED on)	0.56 Lux @ F1.4 0 Lux @ F1.4 (IR LED on)	1.5 Lux @ F1.4	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	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)	3 ~ 9 mm F1.2 (w), F2.1 (t)	3.3 ~ 12 mm F1.4 (w), F2.9 (t) (FD7141) 9 ~ 22 mm F1.4 (w), F1.6 (t) (FD7141V)	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)	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	1600x1200	720x480	1600x1200	640x480	640x480	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 fps @ 1280x720 UP to 15 fps @ 1600x1200	Up to 30 fps @ 720x480	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/NTSC Up to 25/PAL	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz
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/ Digital Output	4 / 1	4 / 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)	Yes (2-way audio)	Yes
Video Compression	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (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)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	MPEG-4
Multiple Streams	Dual	Dual	Multiple	Dual	Multiple	Dual	Dual	Dual	Dual	—
PoE	—	—	Yes	Yes	Yes	Yes	Yes	Yes (PZ7111, PZ7121)	Yes (PZ7131)	—
Value-added Features	35x Zoom Day/Night IP66 WDR EIS SD/SDHC card slot	18x Zoom Day/Night IP66 Vandal-proof	3-axis IR illuminators Day/Night IP66 Vandal-proof Tamper detection SD/SDHC card slot Onvif support	3-axis IR illuminators Day/Night IP66 Vandal-proof Tamper detection SD/SDHC card slot Heater & Fan	PIR 3-axis IR illuminators Day/Night Tamper detection SD/SDHC card slot Onvif support	PIR 3-axis IR illuminators Day/Night	PIR 3-axis White-light LEDs	—	—	—

Video Servers

Cost-effective Way to Migrate from CCTV to IP Surveillance Systems

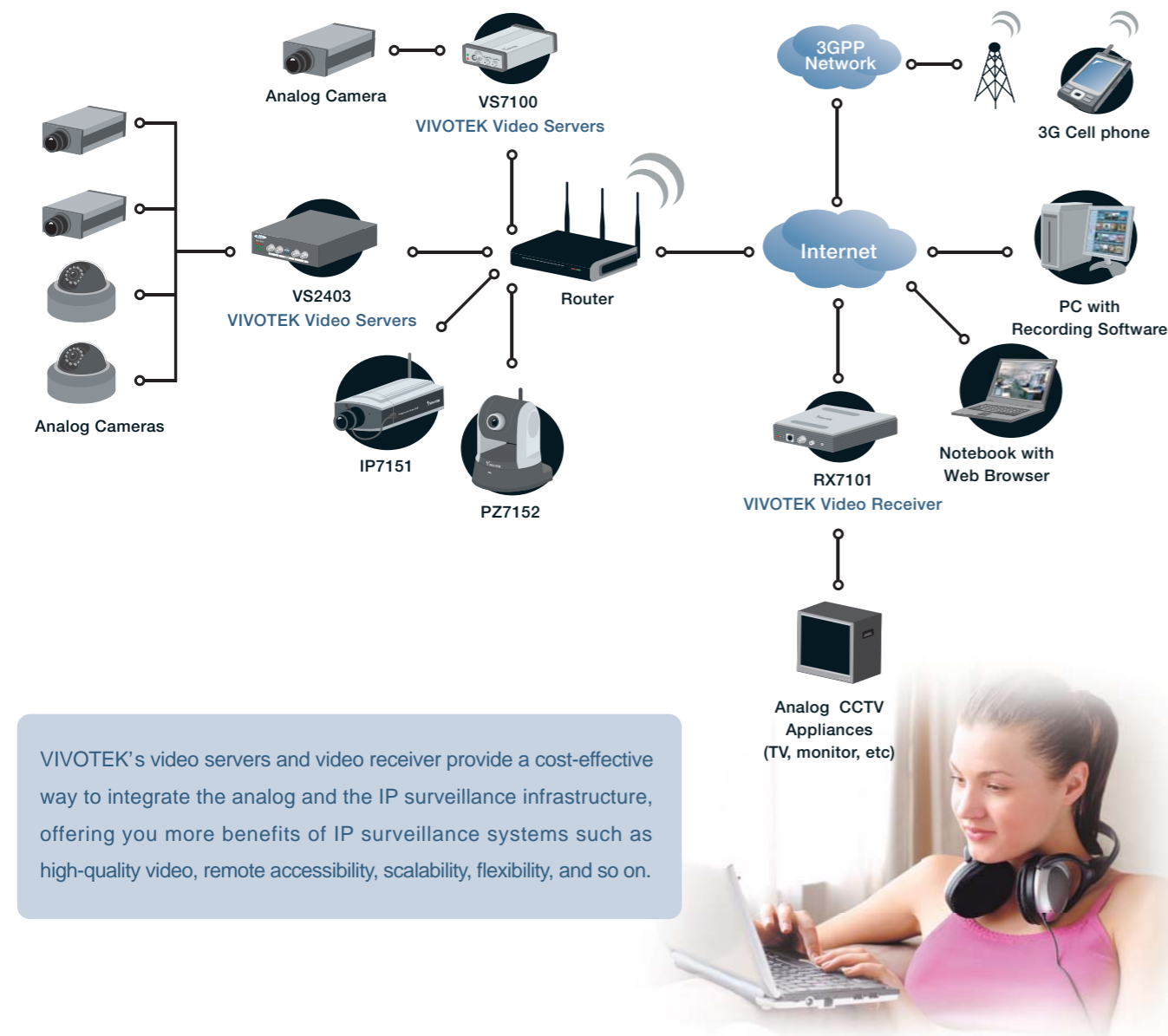
A video server can digitalize analog signals and send the encrypted data via IP networks to be monitored or recorded. VIVOTEK offers 1- or 4-CH video servers with MJPEG/MPEG-4 compression to allow you to easily upgrade the existing analog CCTV (Closed Circuit Television) to IP surveillance systems for remote access.

Video Receiver

Connecting IP Surveillance Devices with Analog Video Devices

VIVOTEK's video receiver RX7101 is capable of receiving, decoding, and displaying up to 4 channels of video streams from VIVOTEK's network cameras or video servers via Ethernet interfaces, to analog CCTV appliances like TV sets, analog monitors, or any other existing analog video switches.

System Overview



VIVOTEK's video servers and video receiver provide a cost-effective way to integrate the analog and the IP surveillance infrastructure, offering you more benefits of IP surveillance systems such as high-quality video, remote accessibility, scalability, flexibility, and so on.

Video Servers

VS8102

D1 · H.264 · SD/SDHC Card



- > Up to 30 fps in D1 Resolution
- > 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
- > Two-way Audio via SIP Protocol
- > HTTPS Encrypted Data Transmission
- > 802.1X Port-based Authentication for Network Protection
- > Digital I/O for External Sensor and Alarm
- > RS-485 Interface for Scanners, Pan/Tilts
- > Built-in SD/SDHC Card Slot for On-board Storage
- > DC 12V Output for Analog Cameras
- > DC 12V / AC 24V Compatible Power Input
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability

VS7100

MJPEG · MPEG-4 · 3GPP



- > Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- > Up to 30 fps in 4CIF Resolution
- > Simultaneous Dual Streams
- > 3GPP Mobile Surveillance
- > Two-way Audio
- > Digital I/O for External Sensor and Alarm
- > RS-485 Interface for Scanners, Pan/Tilts
- > Privacy Masks

Video Receiver

RX7101

MJPEG · MPEG-4 · 4-CH



- > MJPEG and MPEG-4 Video Decoding
- > Up to 1-CH 4CIF or 4-CH CIF Real-time Decoding
- > Quad or Sequential Display in Multi-channel Mode
- > GSM-AMR and MPEG-4 AAC Audio Decoding
- > Digital I/O for External Sensor and Alarm
- > Supports RS-485 Keyboard to Remotely Control PTZ Cameras
- > Supports VIVOTEK's 7000-series Models

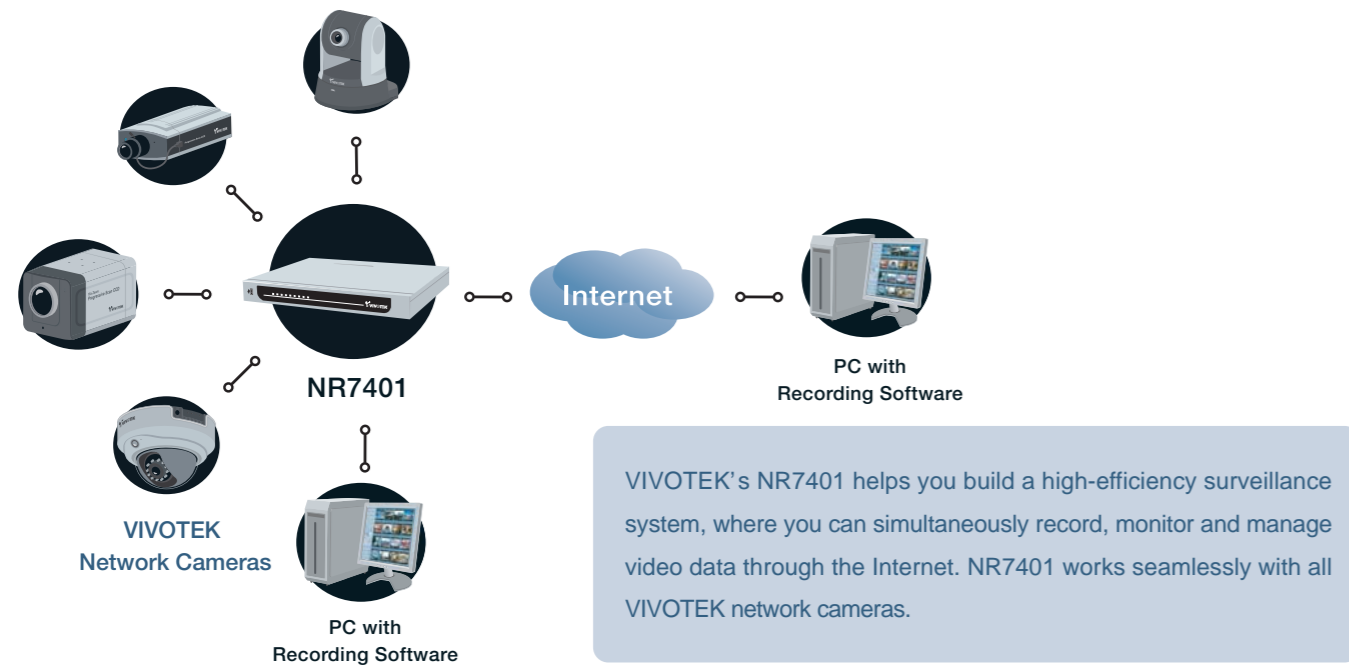


Network Video Recorder

Enhanced Efficiency of Video Storage

An NVR (Network Video Recorder) is an IP-based recorder that operates independently from a PC or other operation systems. Aimed to store digital video streams from network cameras, an NVR is usually incorporated with a large-volume hard disk to allow for long-period recording.

System Overview



NR7401

9-CH · PoE · Gateway Supported

- > Simultaneous Monitoring and Recording on 9 channels
- > Gateway Between VIVOTEK Network Cameras and Data Network
- > Supports VIVOTEK 6000- and Part of 7000-series Network Cameras
- > Built-in 802.3af Compliant PoE
- > Local Video Recording with Minimal Bandwidth Impact
- > Camera Management with Automatic Camera Installation and Configuration
- > Video Proxy Server for Live and Recorded Video
- > External USB Storage for Video Backup



Video Servers / Video Receivers / Network Video Recorder



Models	VS7100	VS8102	RX7101
Video Source	1 analog camera input	1 analog camera input	4-CH streaming
Video Modulation	NTSC/PAL auto detection	NTSC/PAL auto detection	NTSC/PAL
Max Video Resolution	704x480/NTSC 704x576/PAL	720 x 480/NTSC 720 x 576/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
Serial Connectors	RS485	RS485	RS485
Pan/Tilt/Zoom Control	Yes	Yes	Yes
Networking	10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet
Digital Input / Digital Output	1 / 1	1 / 1	0 / 4
Audio Capability	Yes	Yes	Yes
Video Compression	Dual-Codec (MJPEG/MPEG-4)	Triple-Codec (MJPEG/MPEG-4/H.264)	—
Motion Detection	Yes	Yes	—
Bundled Recording Software	16 channels	32 channels	—
Multiple Streams	Dual	Multi	—
PoE	Optional	Yes	—
Decoding	—	—	MJPEG/MPEG-4

Models	NR7401
Video Channels	Up to 9 channels
Hard Disk	Supports 1 SATA hard disk up to 1TB
Compatibility	Supports VIVOTEK 6000-series and 7000-series network cameras
Video Recording	MJPEG and MPEG-4
Ethernet/RJ45	5 (1 WAN and 4 LAN)
USB	1 USB socket for backup
Digital Input/ Digital Output	4/1
Power Output	1
PoE	Yes