

Video Servers & Video Receiver



Models	VS8102	VS7100	VS3100P	VS2403	RX7101
Video Source	1 analog camera input	1 analog camera input	1 analog camera input	4 analog camera inputs	4-CH streaming
Video Modulation	NTSC/PAL auto detection	NTSC/PAL auto detection	NTSC/PAL auto detection	NTSC/PAL auto detection	NTSC/PAL
Max Video Resolution	720x480(NTSC) 720x576(PAL)	704x480/NTSC 704x576/PAL	704x480/NTSC 704x576/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	Up to 30/NTSC Up to 25/PAL	Up to 30/NTSC Up to 25/PAL
Serial Connectors	RS485	RS485	—	RS232/RS485	RS485
Pan/Tilt/Zoom Control	Yes	Yes	—	Yes	Yes
Networking	10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet
Digital Input / Digital Output	1 / 1	1 / 1	1 / 1	4 / 4	0 / 4
Audio Capability	Yes	Yes	Yes	—	Yes
Video Compression	Triple-Codec (H.264/MPEG-4/MJPEG)	Dual-Codec (MPEG-4/MJPEG)	MPEG-4	MJPEG	—
Motion Detection	Yes	Yes	Yes	Yes	—
Bundled Recording Software	32 channels	32 channels	16 channels	16 channels	—
Video Streams	Multiple	Dual	—	—	—
PoE	Yes	Optional	—	—	—
Decoding	—	—	—	—	MJPEG/MPEG-4

Network Video Recorder



Models	NR7401
Video channels	Up to 9-CH
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

Central Management Software

ST7501



- Client/Server for Remote Video Management
- Real-time 32-CH Live Video Monitoring
- Simultaneous 16-CH Playback
- Reliable Recording with Auto Data Backup
- Multilingual User Interface Support
- Dual-monitor Display
- Geographic E-map

Accessories

Please find a full list of our accessories for your needs at: <http://www.vivotek.com/accessories.htm>

Lenses	IR Illuminators	Enclosures	Joystick
There are many different types of CS-mount lenses available for VIVOTEK's network cameras.	Network cameras equipped with infrared illuminators can be applied in low-light conditions.	VIVOTEK provides various camera enclosures and dome housings for installing network cameras in harsh, humid, and extreme environmental conditions.	VIVOTEK USB joystick enables you to remotely control Pan/Tilt/Zoom network cameras with ease.
Outdoor Wireless Solutions	PoE Kits	Mounting Kits	
Installation is made easy with VIVOTEK's complete outdoor wireless solutions	A networked product, whose power consumption is less than 12W, can be powered directly by the standard network cabling along with PoE kits	A full range of mounting kits is available for a variety of applications, providing users with high flexibility in camera mounting, such as on the ceiling, against the wall or at the corner.	

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Selection Guide

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



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A Leading Provider of Multimedia Communication Solutions

Welcome to Planet VIVOTEK

VIVOTEK Inc., founded in 2000, has quickly taken its place as a leader in the IP surveillance industry. VIVOTEK specializes in the integration of audio-visual components into network devices and our innovative R&D team uses sophisticated codec technologies to develop a wide range of multimedia communication products. In 2006, VIVOTEK became a publicly traded company on the Taiwan Stock Exchange offering sales, support, and other services in over 70 countries through a wide network of distributors and system integrators. In 2007, VIVOTEK spun off its SoC division into a wholly-owned subsidiary, named VATICS, which focuses on development and sales of multimedia and intelligent video/audio SoCs. To keep pace with rapid sales growth, VIVOTEK USA was established in California in 2008 to offer sales, support and service.



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

Network Cameras — Fixed Series													
Wired Models	IP7142	IP7330	IZ7151	IP8161	IP7161	IP7160	IP7251	IP7153	IP7138	IP7130	IP7131	IP7133	IP7135
Wireless Models	—	—	—	—	—	—	—	IP7154 (802.11b/g)	IP7139 (802.11b/g)	—	IP7132 (802.11b/g)	IP7134 (802.11b/g)	IP7137 (802.11b/g)
Outdoor/Indoor	Outdoor	Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Image Sensor	1/3.3 inch WDR CMOS	1/4 inch CMOS	1/4 inch progressive CCD	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	1/3 inch CMOS	1/4 inch CMOS	1/4 inch CMOS	1/4 inch CMOS	1/4 inch CMOS
Video Modulation	—	—	—	—	—	—	—	—	—	—	—	—	—
Minimum Illumination	0.68 Lux @ F1.4 0 Lux @ F1.4 (IR LED on)	0 Lux @ F1.8 (IR LED on)	1.61 Lux @ F1.4 0.38 Lux @ F1.4 without IR-cut filter	0.1 Lux @ F1.2	0.8 Lux @ F1.6	0.3 Lux @ F1.8	1.0 Lux @ F1.0	0.2 Lux @ F1.0	2.7 Lux @ F1.8	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	—	—	—	—	—
Lens Type	3.3 – 12 mm F1.4 (w), F2.9 (t)	4.0 mm, F1.8 Fixed	18x optical zoom 4.1 – 73.8 mm F1.4 (w), F3.0 (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	2.9 – 8.2 mm, F1.0 CS-mount	6.0 mm, F1.8 Fixed 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	720x480	640x480	640x480	1600x1200	1600x1200	1600x1200	640x480	640x480	1280x1024	640x480	640x480	640x480	640x480
Frames per Second	Up to 30 fps @ 720x480	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz	Up to 30 fps @ 800x600 Up to 15 fps @ 1600x1200	Up to 30 fps @ 800x600 Up to 15 fps @ 1600x1200	Up to 30 fps @ 800x600 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 @ 640x480 Up to 7.5 fps @ 1280x1024	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
Digital Input/Digital Output	1 / 1	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 (2-way audio)	Yes (2-way audio)
Video Compression	Dual-Codec (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)	MPEG-4	Dual-Codec (MJPEG/MPEG-4)	MPEG-4
Video Streams	Dual	Dual	Dual	Multiple	Multiple	Multiple	Dual	Dual	Dual	Dual	—	Dual	—
PoE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (IP7153)	Yes (IP7138)	Yes (IP7131)	—	—	—
Value-added Features	IR illuminators Day/Night IP66	IR illuminators Day/Night IP66 Tamper detection	Day/Night	Day/Night SD/SDHC card slot Tamper detection Adjustment ring	Day/Night SD/SDHC card slot Tamper detection Adjustment ring	SD/SDHC card slot Tamper detection	Day/Night Video content analysis	Day/Night	CF card slot	Tamper detection	—	—	—

Network Cameras — PTZ Series			
PZ7111 PZ7121	PZ7151	PZ7131	PT7135
PZ7112 PZ7122 (802.11b/g)	PZ7152 (802.11b/g)	PZ7132 (802.11b/g)	PT7137 (802.11b/g)
Indoor	Indoor	Indoor	Indoor
1/4 inch CCD	1/4 inch progressive CCD	1/4 inch CMOS	1/4 inch CMOS
NTSC/PAL	—	—	—
1.5 Lux @ F1.8 0.05 Lux @ F1.8 (Low light mode)	0.5 Lux @ F1.9	1.25 Lux @ F1.9	1.5 Lux @ F2.0
Yes	Yes	Yes	—
10x optical zoom 4.2 – 42 mm F1.8 (w), F2.9 (t)	2.6x optical zoom 2.8 – 7.3 mm F1.9	2.6x optical zoom 2.8 – 7.3 mm F1.9	4.0 mm, F2.0 Fixed
704x480/NTSC 704x576/PAL	640x480	640x480	640x480
Up to 30/NTSC Up to 25/PAL	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz
10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet
1 / 1	1 / 1	1 / 1	—
Yes (2-way audio)	Yes (2-way audio)	Yes (2-way audio)	Yes
Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	Dual-Codec (MJPEG/MPEG-4)	MPEG-4
Dual	Dual	Dual	—
Yes (PZ7111, PZ7121)	Yes (PZ7151)	Yes (PZ7131)	—
—	—	—	—

Network Cameras — Dome Series						
SD7313 SD7323	SD7151	FD7141 FD7141V	FD7132	FD7131	FD7160	FD7130
—	—	—	—	—	—	—
Outdoor	Outdoor	Outdoor	Indoor	Indoor	Indoor	Indoor
1/4 inch ExView HAD CCD	1/4 inch progressive CCD	1/3.3 inch WDR CMOS	1/4 inch CMOS	1/4 inch CMOS	1/3.2 inch CMOS	1/4 inch CMOS
NTSC/PAL	—	—	—	—	—	—
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	0.5 Lux @ F1.4 (FD7141) 0.4 Lux @ F1.4 (FD7141V) 0 Lux @ F1.4 (IR LED on)	0.56 Lux @ F1.4 0 Lux @ F1.4 (IR LED on)	1.5 Lux @ F1.4	0.6 Lux @ F2.0	0.5 Lux @ F2.0
Yes	Yes	—	Yes	—	—	—
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)	3.3 – 12 mm F1.4 (w), F2.9 (t) (FD7141) 9 – 22 mm F1.4 (w), F1.8 (t) (FD7141V)	3.3 – 12 mm F1.4 (w), F2.9 (t)	2 – 4 mm F1.4 (w), F1.8 (t)	2.8 mm, F2.0 Fixed	2.8 mm, F2.0 Fixed
704x480/NTSC 704x576/PAL	640x480	720x480	640x480	640x480	1600 x 1200	640x480
Up to 30/NTSC Up to 25/PAL	Up to 30/60Hz Up to 25/50Hz	Up to 25 fps @ 720x480	Up to 30/60Hz Up to 25/50Hz	Up to 30/60Hz Up to 25/50Hz	Up to 30 fps @ 800x600 Up to 15 fps @ 1600x1200	Up to 30/60Hz Up to 25/50Hz
10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet	10/100BaseT Ethernet
4 / 1	4 / 1	1 / 1	1 / 1	1 / 1	—	—
Yes (2-way audio)	Yes (2-way audio)	Yes (2-way audio)	Yes (2-way audio)	Yes (2-way audio)	—	—
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)
Dual	Dual	Dual	Dual	Dual	Multiple	Dual
—	—	Yes	Yes	Yes	Yes	Yes
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 Heater & Fan	PIR 3-axis IR illuminators Day/Night	PIR 3-axis White-light LEDs	IP66 Tamper detection MicroSD/SDHC EN50155	IP66 Tamper detection MicroSD/SDHC EN50155