

Models	IP8172	IP8172P
ID		
Series	Value	Value
Brochure Information		
Model Name	IP8172	IP8172P
Sensor Type	1/2.5" CMOS	1/2.5" CMOS
Lens Type	Vari-focal	Vari-focal
F-number	F1.2 (wide), F360 (tele)	F1.6 (wide), F31.4 (tele)
Focal Length	f = 2.8 ~ 12 mm	f = 3.5 ~ 10 mm
Auto-iris	DC-iris	P-iris
Day/Night	Yes	Yes
IR Illuminators		
Minimum Illumination	-0.4lux @1/30s,50IRE (F1.2) in color mode -0.06lux @1/5s,50IRE (F1.2) in color mode -0.001lux @1/5s,50IRE (F1.2) in B/W mode	-0.6lux @1/30s,50IRE (F1.6) in color mode -0.09lux @1/5s,50IRE (F1.6) in color mode -0.001lux @1/5s,50IRE (F1.6) in B/W mode
Max Video Resolution	2560x1920	2560x1920
Frames per Second	30 fps @ 1920x1080 10 fps @ 2560x1920	30 fps @ 1920x1080 10 fps @ 2560x1920
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	3 Streams	3 Streams
WDR Technology	WDR enhanced	WDR enhanced
Networking	10/100 Mbps Ethernet	10/100 Mbps Ethernet
Power Input	PoE DC 12V AC 24V	PoE DC 12V AC 24V
Digital Input / Output	1/1	1/1
Audio Capability	Two-way Audio	Two-way Audio
On-board Storage	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot
Weather-proof	-	-
Vandal-proof	-	-
Operating Temperature	-10 ~ 50 °C (14 ~ 122 °F)	-10 ~ 50 °C (14 ~ 122 °F)
Other Value-added Features	5MP Full HD Focus Assist	5MP Full HD Focus Assist
Technical Specifications		
Models	IP8172	IP8172P
System Information		
CPU	Multimedia SoC (System-on-Chip)	Multimedia SoC (System-on-Chip)
Flash	128 MB	128 MB
RAM	256 MB	256 MB
Camera Features		
Image Sensor	1/2.5" CMOS	1/2.5" CMOS
Maximum Resolution	2560x1920	2560x1920
Lens Type	Vari-focal	Vari-focal
Focal Length	f = 2.8 ~ 12 mm	f = 3.5 ~ 10 mm
Aperture	F1.2 (wide), F360 (tele)	F1.6 (wide), F31.4 (tele)
Iris	DC-iris	P-iris
Field of View	29.8°~109.7° (horizontal) 21.3°~80.3° (vertical) 35.1°~138.6° (diagonal)	32.8°~92.5° (horizontal) 24.2°~67.8° (vertical) 40.3°~118.8° (diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR enhanced	WDR enhanced
Day/Night	Removable IR-cut filter for day & night function	Removable IR-cut filter for day & night function
Minimum Illumination	-0.4lux @1/30s,50IRE (F1.2) in color mode -0.06lux @1/5s,50IRE (F1.2) in color mode -0.001lux @1/5s,50IRE (F1.2) in B/W mode	-0.6lux @1/30s,50IRE (F1.6) in color mode -0.09lux @1/5s,50IRE (F1.6) in color mode -0.001lux @1/5s,50IRE (F1.6) in B/W mode
Pan Range	-	-
Tilt Range	-	-
Pan/tilt/zoom Functionalities	ePTZ: 16x digital zoom (4x on IE plug-in, 4x built-in)	ePTZ: 16x digital zoom (4x on IE plug-in, 4x built-in)
IR Illuminators	-	-
On-board Storage	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot
Video		
Compression	H.264, MJPEG & MPEG-4	H.264, MJPEG & MPEG-4

Models	IP8172	IP8172P
Maximum Frame Rate	H.264: Up to 10 fps at 2560x1920 Up to 30 fps at 1920x1080 MPEG-4: Up to 10 fps at 1920x1536 Up to 25 fps at 1920x1080 MJPEG: Up to 13 fps at 2560x1920 Up to 30 fps at 1920x1080	H.264: Up to 10 fps at 2560x1920 Up to 30 fps at 1920x1080 MPEG-4: Up to 10 fps at 1920x1536 Up to 25 fps at 1920x1080 MJPEG: Up to 13 fps at 2560x1920 Up to 30 fps at 1920x1080
Maximum Streams	3 simultaneous streams	3 simultaneous streams
S/N Ratio	TBC	TBC
TV Line	TBC	TBC
Dynamic Range	TBC	TBC
Video Streaming	Adjustable resolution, quality and bitrate Configurable video cropping for bandwidth saving	Adjustable resolution, quality and bitrate Configurable video cropping for bandwidth saving
Image Settings	Adjustable image size, quality and bit rate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings	Adjustable image size, quality and bit rate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings
Audio		
Audio Capability	Audio input/output (half duplex)	Audio input/output (half duplex)
Compression	GSM-AMR, AAC, G.711	GSM-AMR, AAC, G.711
Interface	External/ Internal microphone input	External/ Internal microphone input
Effective Range	-	-
Network		
Users	Live viewing for up to 10 clients	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X
Interface	10Base-T/100 BaseTX Ethernet (RJ-45)	10Base-T/100 BaseTX Ethernet (RJ-45)
ONVIF	Ver. 1.02	Ver. 1.02
Alarm and Event		
Intelligent Video	Triple-window video motion detection	Triple-window video motion detection
Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notify	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notify
Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server
General		
Smart Focus System	Focus assist OSD (Network streaming & analog video)	Focus assist OSD (Network streaming & analog video)
Connectors	RJ-45 for Network/PoE connection 3.5mm phone jack*2 for audio input/output Terminal block*2 for AC 24V power input Terminal block*2 for digital input Terminal block*2 for digital output Terminal block*2 for RS485	RJ-45 for Network/PoE connection 3.5mm phone jack*2 for audio input/output Terminal block*2 for AC 24V power input Terminal block*2 for digital input Terminal block*2 for digital output Terminal block*2 for RS485
LED Indicator	System power and status indicator System activity and network link indicator	System power and status indicator System activity and network link indicator
Power Input	24V AC 12V DC IEEE 802.3af PoE Class 3	24V AC 12V DC IEEE 802.3af PoE Class 3
Power Consumption	Max. 9.24W	Max. 9.24W
Dimensions	154 mm (D) x 72 mm (W) x 62 mm (H)	154 mm (D) x 72 mm (W) x 62 mm (H)
Weight	Net: 590 g (without lens)	Net: 590 g (without lens)
Casing		
Safety Certifications	CE, LVD, FCC Class A , VCCI, C-Tick, UL	CE, LVD, FCC Class A , VCCI, C-Tick, UL
Operating Temperature	-10 ~ 50 °C (14 ~ 122 °F)	-10 ~ 50 °C (14 ~ 122 °F)
Warranty	24 months	24 months
System Requirements		
Operating System	Microsoft Windows 7/Vista/XP/2000	Microsoft Windows 7/Vista/XP/2000
Web Browser	Mozilla Firefox Internet Explorer 7.x or above	Mozilla Firefox Internet Explorer 7.x or above
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above	VLC: 1.1.11 or above Quicktime: 7 or above
Included Accessories		
CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software, Adapter	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software, Adapter

Models	IP8172	IP8172P
Power Adapter	Yes	Yes
Others		
Features		
	5-Megapixel CMOS Sensor	5-Megapixel CMOS Sensor
	30 fps @ 1080p Full HD	30 fps @ 1080p Full HD
	Vari-focal, Auto-Iris Lens	Vari-focal, Auto-Iris Lens
	Removable IR-cut Filter for Day & Night Function	Removable IR-cut Filter for Day & Night Function
	Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)	Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
	Built-in Focus Assist Button for Precise Focus Adjustment	Built-in Focus Assist Button for Precise Focus Adjustment
	Built-in 802.3af Compliant PoE	Built-in 802.3af Compliant PoE
	Built-in SD/SDHC/SDXC Card Slot for On-board Storage	Built-in SD/SDHC/SDXC Card Slot for On-board Storage
Short Highlight		
	5MP Full HD Focus Assist	5MP Full HD Focus Assist
Product Description		
	<p>VIVOTEK IP8172 is part of the Value series product line, with stunning 5-Megapixel resolution and extremely clear and detailed images. This camera is able to provide a 16X field of view larger than a standard VGA camera, significantly reducing the installation quantity. It is especially suitable for monitoring open areas such as airports, shopping malls, parking lots, or other applications requiring accurate identification of minute details.</p> <p>The IP8172 employs many advanced features to allow the user to fully utilize the high definition video. With high-performance H.264/MPEG-4/MJPEG compression technology, the camera offers extra-smooth video quality with resolution up to 1080p full HD @ 30fps. The Video Cropping function allows users to optimize bandwidth and enhance storage efficiency. The ePTZ function enables users to zoom in and focus on a region of interest (ROI) in the camera view with only a few simple clicks of a mouse.</p> <p>For installers, properly adjusting the focus of a 5-Megapixel network camera can be difficult due to the high resolution. IP8172 has a focus assist button that allows for precision adjustment - when the focus assist button is pressed, an indicator will be displayed on screen which helps to maximize focus during installation. Moreover, holding down the button will zoom the view in on the target area. Additionally, the IP8172 can connect to an analog monitor with the built-in BNC connector, which provides integrators with flexible and hassle-free installation for a myriad of applications.</p> <p>As with all VIVOTEK true day/night cameras, IP8172 has a removable IR-cut filter, which provides clear images 24 hours a day. With built-in SD/SDHC card slot, the camera also offers a convenient and portable storage option to prevent data loss. The standard ST7501 central management software is also provided free of charge, offering a complete IP surveillance solution. With all this and more, IP8172 is indisputably the top choice for constructing a robust surveillance system with the greatest coverage.</p>	<p>VIVOTEK IP8172P is part of the Value series product line, with stunning 5-Megapixel resolution and extremely clear and detailed images. This camera is able to provide a 16X field of view larger than a standard VGA camera, significantly reducing the installation quantity. It is especially suitable for monitoring open areas such as airports, shopping malls, parking lots, or other applications requiring accurate identification of minute details.</p> <p>The IP8172P comes with a P-iris lens, which controls the lens iris with extreme precision using a built-in stepper motor. By using software control, the lens maintains the iris opening at an optimal level at all times, resulting in superior sharpness and depth of field as well as image quality. In addition, the IP8172P is also equipped with a focus assist button to allow users to precisely adjust the camera focus. After pushing the button on the camera unit, an indicator will be displayed onscreen with detailed focus information, which will change in accordance with the manual adjustment. Moreover, holding down the button will zoom in on the target area for fine tuning, resulting in better picture clarity.</p> <p>As with all VIVOTEK true day/night cameras, IP8172P has a removable IR-cut filter, which provides clear images 24 hours a day. With a built-in SD/SDHC card slot, this provides convenient and portable storage option to prevent data loss. The standard ST7501 central management software is also provided free of charge, offering a complete IP surveillance solution. With all this and more, IP8172P is indisputably the top choice for constructing a robust surveillance system with the greatest coverage.</p>
Compatible Accessories		
Enclosures		
Mounting Kits		
Wireless	N600AG: Outdoor wireless access point N500AG: Outdoor wireless access point AP5822-5-TW-2P1: Weather-proof dual-band wireless access point/bridge	N600AG: Outdoor wireless access point N500AG: Outdoor wireless access point AP5822-5-TW-2P1: Weather-proof dual-band wireless access point/bridge
PoE Kits	MS-POE-IJAF: PoE Injector, 802.3af Compliant	MS-POE-IJAF: PoE Injector, 802.3af Compliant