

# Fixed Network Camera IP8172/72P



## 5MP • Full HD • Focus Assist

VIVOTEK IP8172/72P are professional box cameras offering 5-Megapixel or 1080p Full HD resolution with superb image quality up to 30 fps. Featuring 5-Megapixel resolution and high-performance H.264/MPEG-4/MJPEG compression technology, the IP8172/72P offer extra-smooth video and wide coverage.

The IP8172P comes with a P-iris lens, which controls the iris with extreme precision with its built-in stepper motor, it maintains the iris opening at an optimal level at all times, resulting in superior image clarity and depth of field.

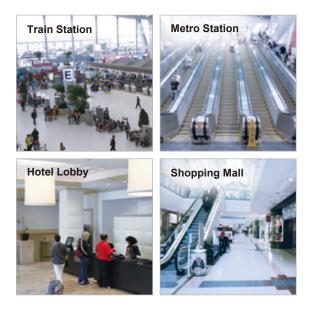
In addition, the IP8172/72P are equipped with a focus assist button to allow users to precisely adjust the camera focus. After pushing the focus assist button on the camera unit, an indicator will be displayed onscreen with detailed focus information, which will change in accordance with the manual adjustment. Moreover, continuing to push the button will zoom in on the target area for fine tuning, resulting in better usability and picture clarity.

The IP8172/72P can be also connected directly to an analog monitor with a BNC connector, providing integrators with more flexibility and hassle-free installation for a variety of applications.

Other high-end features such as WDR enhancement, multiple streams, video cropping, ePTZ, SD/SDHC/SDXC card slot, PoE, and the included 32-CH recording software make the IP8172/72P is indisputably the top choice for reliable and high performance megapixel surveillance.

### **Features**

- 5-Megapixel CMOS Sensor
- 30 fps @ 1080p Full HD
- 2.8 ~ 12 mm Vari-focal, DC-iris Lens (IP8172)
- 3.5 ~ 10 mm Vari-focal, P-iris Lens (IP8172P)
- Removable IR-cut Filter for Day & Night Function
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- WDR Enhancement for Improved Clarity in High Contrast Environments
- Built-in Focus Assist Button for Precise Focus Adjustment
- Built-in 802.3af Compliant PoE
- Built-in SD/SDHC/SDXC Card Slot for On-board Storage

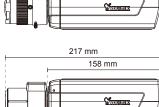


#### **Technical Specifications**

		Alorm and Evont	
Models	IP8172 (DC-iris)	Alarm and Event	
System Information	IP8172P (P-iris)	Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering
•			detection
CPU	Multimedia SoC (System-on-Chip)	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and
Flash	128 MB		NAS server
RAM	256 MB		File upload via HTTP, SMTP, FTP and NAS server
Camera Features		General	
Image Sensor	1/2.5" Progressive CMOS	Smart Focus System	Focus assist button and OSD
Maximum Resolution	2560x1920	Connectors	RJ-45 cable connector for Network/PoE connection
Lens Type	Vari-focal, CS Mount		Audio input
Focal Length	f = 2.8 ~ 12 mm (IP8172) f = 3.5 ~ 10 mm (IP8172P)		Audio output Video output
Aperture	F1.2 (wide) ~ F2.5 (tele) (IP8172)		AC 24V power input
ripertaic	$F1.6 \text{ (wide)} \sim F2.7 \text{(tele)} (IP8172P)$		DC 12V power input
Auto-iris	DC-iris (IP8172)		Digital input*1
	P-iris (IP8172P)		Digital output*1
Field of View	IP8172:		RS-485
	28° ~ 115° (horizontal)	LED Indicator	System power and status indicator
	21° ~ 84° (vertical)	Power Input	24V AC
	35° ~ 150° (diagonal) IP8172P:		12V DC
	33° ~ 93° (horizontal)	Power Consumption	IEEE 802.3af PoE Class 3 IP8172:
	$24^{\circ} \sim 68^{\circ}$ (vertical)		Max. 4.87 W (DC 12V)
	$40^{\circ} \sim 119^{\circ} (diagonal)$		Max. 7 W (AC 24V)
Shutter Time	1/5 sec. to 1/32,000 sec.		Max. 6.8 W (PoE)
WDR Technology	WDR Enhanced		IP8172P:
Day/Night	Removable IR-cut filter for day & night function		Max. 5.2 W (DC 12V)
Minimum Illumination	IP8172:		Max. 7 W (AC 24V)
	0.02 Lux @ F1.2 (Color)		Max 6.9 W (PoE)
	0.001 Lux @ F1.2 (B/W)	Dimensions	218 mm (D) x 72 mm (W) x 62 mm (H) (IP8172)
	IP8172P: 0.05 Lux @ F1.6 (Color)	Weight	217 mm (D) x 72 mm (W) x 62 mm (H) (IP8172P) Net: 702 g (IP8172) (With Lens)
	0.001 Lux @ F1.6 (B/W)	Weight	Net: 711 g (IP8172P) (With Lens)
Pan/tilt/zoom Functionalities	ePTZ:	Safety Certifications	CE, LVD, FCC Class A, VCCI, C-Tick
	48x digital zoom (4x on IE plug-in, 12x built-in)	Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F)
On-board Storage	SD/SDHC/SDXC card slot		Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)
Video		Warranty	24 months
Compression	H.264, MJPEG & MPEG-4	System Requirements	
Maximum Frame Rate	H.264:	Operating System	Microsoft Windows 7/Vista/XP/2000
		Web Browser	Mozilla Firefox 7~10 (Streaming only)
	10 fps at 2560x1920 30 fps at 1920x1080		Internet Explorer 7.x or 8.x
	MPEG-4:	Other Players	VLC: 1.1.11 or above
	10 fps at 1920x1536		Quicktime: 7 or above
	25 fps at 1920x1080	Included Accessories	
	MJPEG: 13 fps at 2560x1920	CD	User's manual, quick installation guide, Installation Wizard 2,
	30 fps at 1920x1080		ST7501 32-channel recording software
Maximum Streams	3 simultaneous streams	Others	CS-mount lens, quick installation guide, warranty card, stand,
S/N Ratio	Above 60 dB		L-type hex key wrench
Dynamic Range	57 dB		, , , , , , , , , , , , , , , , , , ,
Video Streaming	Adjustable resolution, quality and bitrate		
-	Configurable video cropping for bandwidth saving		
Image Settings	Adjustable image size, quality and bit rate	Dimensions	
	Time stamp, text overlay, flip & mirror		
	Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy		
	masks		
	Scheduled profile settings	• IP8172	218 mm
Audio		72 mm	158 mm
	Audia insultautout (full dustau)		
Audio Capability	Audio input/output (full duplex)		
Compression	GSM-AMR, AAC, G.711 Built-in microphone	E E	
Intenace	External microphone input	62 m	
	External line output		
Effective Range	5 meters		
Network	· · · · ·		
		1001700	017
Users	Live viewing for up to 10 clients	• IP8172P	217 mm

Live viewing for up to 10 clients IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X 10Base-T/100 BaseTX Ethernet (RJ-45) Supported, specification available at www.onvif.org Users Protocols Interface ONVIF Intelligent Video Video Motion Detection Triple-window video motion detection

 IP8172P 72 mm 62 mm



#### **Compatible Accessories**

#### Enclosures

Power Adapter



AA-222

DC 12V Power Adapter

AE-232 Camera enclosure with heater and blower 1

#### PoE Kits



**MS-POE-IJAF** PoE injector, 802.3af compliant



AE-233 Camera enclosure with heater and blower (input AC 24V)

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