VIVOTEK
BUILT WITH RELIABILITY
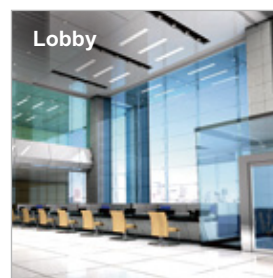
Mini-Box
Network Camera
IP8173H

3MP • Compact Size • WDR Pro

VIVOTEK's IP8173H network camera features a 3-Megapixel WDR CMOS sensor to cope with challenging lighting conditions. The WDR feature allows the camera to capture both the dark and bright parts of an image and combine the differences to generate a highly realistic image representative of the original scene, enabling it to provide video quality close to the capabilities of the human eyes. The IP8173H can be widely applied in high contrast environments such as lobby entrances and more. The P-iris lens 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 as well as image quality.
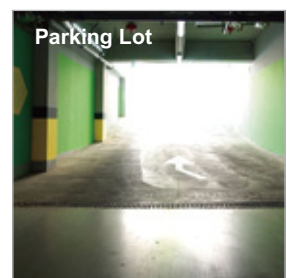
The IP8173H features a mini-box camera design concept with a compact size to fit into different types of enclosures. With the capability to fit to a CS-mount lens, it provides flexible monitoring in all types of environments. With all of these features mentioned above, the camera is the best choice for retail, government, industrial, hotel security and city surveillance.

Features

- 3-Megapixel CMOS Sensor
- 20 fps @ 2048x1536; 30 fps @ 1920x1080
- Vari-focal (f = 2.8 ~ 8 mm), P-iris Lens
- Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- Two-way Audio
- Removable IR-cut Filter for Day and Night Function
- Built-in IEEE 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
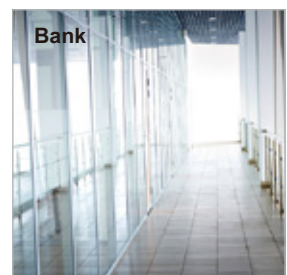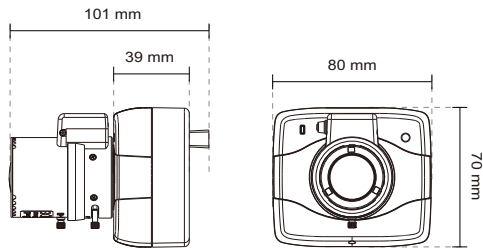- Compact Design

Lobby

Parking Lot

Retail

Bank

Technical Specifications

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	256 MB

Camera Features

Image Sensor	1/3" Progressive CMOS
Maximum Resolution	2048x1536
Lens Type	Vari-focal
Focal Length	f = 2.8 ~ 8 mm
Aperture	F1.2 (wide) ~ F1.95 (tele)
Auto-iris	P-iris
Field of View	46° ~ 94° (horizontal) 35° ~ 70° (vertical) 58° ~ 113° (diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Removable IR-cut filter for day & night function
Minimum Illumination	0.18 Lux @ F1.2, 50 IRE (Color) 0.001 Lux @ F1.2, 50 IRE (B/W)
Pan/tilt/zoom Functionalities	ePTZ 48x digital zoom (4x on IE plug-in, 12x built-in)
On-board Storage	MicroSD/SDHC/SDXC card slot

Video

Compression	H.264, MJPEG & MPEG-4
Maximum Frame Rate	H.264: 20 fps at 2048x1536 30 fps at 1920x1080 MPEG-4: 20 fps at 1920x1536 30 fps at 1920x1080 MJPEG: 20 fps at 2048x1536 30 fps at 1920x1080
Maximum Streams	3 simultaneous streams
S/N Ratio	Above 50 dB
Dynamic Range	100 dB
Video Streaming	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

Audio

Audio Capability	Audio input/output (full duplex)
Compression	GSM-AMR, AAC, G.711
Interface	External microphone input External line output

Network

Users	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
Interface	10Base-T/100 BaseTX Ethernet (RJ-45)
ONVIF	Supported, specification available at www.onvif.org

Intelligent Video

Video Motion Detection	Triple-window video motion detection

Alarm and Event

Alarm Triggers	Video motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection
Alarm Events	Event notification using HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server

General

Connectors	RJ-45 for Network/PoE connection Audio input Audio output RS485*1 Digital input*1
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 2
Power Consumption	Max. 4.4W
Dimensions	39 mm (D) x 80 mm (W) x 70 mm (H) (body only) 101 mm (D) x 80 mm (W) x 70 mm (H) (with lens)
Weight	178 g (body only) 246 g (with lens)
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, UL
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Warranty	24 months

System Requirements

Operating System	Microsoft Windows 7/Vista/XP/2000
Web Browser	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7.x or 8.x
Other Players	VLC: 1.1.11 or above QuickTime: 7 or above

Included Accessories

CD	User's manual, quick installation guide, Installation Wizard 2, free 32-channel VMS ST7501
Others	Quick installation guide, warranty card, lens, camera stand, screw pack

Dimensions

Compatible Accessories

Mounting Kits

AE-211
Camera enclosure with fan

AE-232
Camera enclosure with heater and fan

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

AE2000
Infrared illuminator enclosure (With T bracket)

AE-201
Indoor camera enclosure with transparent cover

AE-202
Indoor camera enclosure with smoke cover

AE-251
Outdoor dome housing with transparent cover

AE-252
Outdoor dome housing with smoke cover

PoE Kits

POE-IJ-1748NDN
PoE injector, 802.3af compliant